# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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DATE: 20/02/2015

### 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

20<sup>TH</sup> FEBRUARY, 2015

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# THE PATENT OFFICE KOLKATA, 20/02/2015

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	Fax: (91)(22) 24123322		Fax : (91)(44) 2250 2066	
	E-mail: <u>cgpdtm@nic.in</u>		E-mail: <u>chennai-patent@nic.in</u>	
			The States of Andhra Pradesh, Karnataka,	
			Kerala, Tamil Nadu and the Union	
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		Ш		
2	·			
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	Mumbai – 400 037		CP-2, Sector -V, Salt Lake City,	
	Phone: (91)(22) 24137701		Kolkata- 700 091	
	Fax: (91)(22) 24130387			
	E-mail: <u>mumbai-patent@nic.in</u>		Phone: (91)(33) 2367 1943/44/45/46/87	
	<ul> <li>The States of Gujarat, Maharashtra, Madhya</li> </ul>		Fax: (91)(33) 2367 1988	
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			❖ Rest of India	
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	Government of India,			
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	Fax: (91)(11) 2808 1920 & 2808 1940			
	E.mail: <u>delhi-patent@nic.in</u>			
	❖ The States of Haryana, Himachal Pradesh, Jammu			
	and Kashmir, Punjab, Rajasthan, Uttar Pradesh,			
	Uttaranchal, Delhi and the Union Territory of			
	Chandigarh.			
—				

Website: <a href="www.ipindia.nic.in">www.ipindia.nic.in</a>
<a href="www.ipindia.nic.in">www.ipindia.nic.in</a>

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 20/02/2015 कार्यालयों के क्षेत्राधिकार के पते

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

1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प	4	पेटेंट कार्यालय, भारत सरकार
	तथा व्यापार चिहन,		इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट
	एंटोप हिल डाकघर के समीप,		एसआईडीसीओ आरएमडी गोडाउन एरिया
	एस. एम. रोड, एंटोप हिल, मुम्बई- ४०० ०३७, भारत,		एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी
	फोनः (91) (22) 24123311		चेन्नई - 600 032.
	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
2	पेटेंट कार्यालय, भारत सरकार	5	पेटेंट कार्यालय, भारत सरकार
	बौद्धिक संपदा भवन,		कोलकाता, (प्रधान कार्यालय)
	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
	💠 गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़		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,		
	प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.		
	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		
	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

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

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

### **SPECIAL NOTICE**

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

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

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

(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.

### **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.3468/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :29/11/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR CARDLESS TRANSACTION AT ATM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:NA :NA :NA :PCT// :01/01/1900 : NA :NA	(71)Name of Applicant:  1)JINDAL, Atul Address of Applicant: Spa/2-201, Jaypee Greens, Greater Noida - 201310, Uttar Pradesh India  2)JINDAL, Nitu (72)Name of Inventor:  1)JINDAL, Atul  2)JINDAL, Nitu
(62) Divisional to Application Number Filing Date	:NA :NA	

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

The present disclosure relates to system and method for cardless withdrawal of cash from an ATM wherein, based on a request made by a user, a unique transaction identification code is generated and provided to the user to enable him to withdraw cash from a designated ATM.

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

(22) Date of filing of Application :30/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: GENERATING AN INTEGRATED 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</li></ul>	:H04Q11/04 :NA :NA :NA :NA	(71)Name of Applicant:  1)HCL Technologies Ltd.  Address of Applicant: B-39, Sector 1, Noida 201 301, Uttar Pradesh, Uttar Pradesh India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)SINGH, Prathameshwar Pratap 2)GUPTA, Yogesh
<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)KUMAR, Sanjay

### (57) Abstract:

Disclosed is method and system for generating an integrated service. To generate the integrated service, a web service is retrieved using a web browser based on user input. Web service definition of the web service is extracted using web service description language (WSDL) file of the web service. Proxy classes are generated using the web service definition. Proxy classes are compiled to create an assembly file. User enabled to select service method from assembly file, and endpoints for the service method are identified using the web service definition. Service method is converted into custom activity. Workflow file is generated by building a workflow based on predefined activities and the custom activity. The end points are exposed for hosting the workflow file as integrated service. The workflow file is executed, tested and debugged in order to validate the workflow.

No. of Pages: 28 No. of Claims: 11

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: SYSTEM AND METHODS FOR VALIDATING TAX PAYMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q20/00 :NA :NA	(71)Name of Applicant:  1)JINDAL, Atul  Address of Applicant:Spa/2-201, Jaypee Greens, Greater
(33) Name of priority country	:NA	Noida - 201310, Uttar Pradesh India
(86) International Application No	:NA	2)JINDAL, Nitu
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JINDAL, Atul
(61) Patent of Addition to Application Number	:NA	2)JINDAL, Nitu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Aspects of the present disclosure generally relate to the field of tax remittance. In particular, the present disclosure pertains to methods and systems that enable vendors to remit/pay, within a defined time period, taxes charged by them to customers/users, to the Government or any other applicable tax authorities through the proposed system, while simultaneously enabling any interested personnel or entity or service taker or payee to monitor/confirm/evaluate, anytime after the defined time period, that the tax collected from him/her by vendor has been remitted by the vendor to tax authority within a defined time period.

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

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: ENERGY EFFICIENT ALL SEASON ROOF SCREENING.

<ul> <li>(51) International classification</li> <li>(31) 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>	:E04C3/04, E04D3/08, :NA :NA :NA :NA	(71)Name of Applicant:  1)POWER GRID CORPORATION OF INDIA LTD.  Address of Applicant:POWER GRID CORPORATION OF INDIA LIMITED B-9,QUTAB INSTITUTIONAL AREA KATWARIA SARAI, NEW DELHI-16 India (72)Name of Inventor:  1)INDUSEKHAR JHA
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)DR. SUBIR SEN 3)HEMENDRA AGRAWAL 4)DR. RAJESH KUMAR PANDA

#### (57) Abstract:

Present invention deals with unique all season roof screening that would provide energy savings in the buildings-and desired comfort level-throughout the year.-In-addition, the inventedrprocess addresses the impact of high solar reflective index on surrounding buildings as well as against dust settlement. In this manner, present invention resolves the existing issues with other roof screening processes. The invented process is validated through series of lab testing, and simulations. Subsequently, to ensure the performance against varying seasonal conditions the process is deployed on real time buildings roof surface. In the invented hybrid roof screening process, the roof is screened with heat reflective, glossy white and black colour screening techniques. Application area of the invented screening are demarcated in accordance with the profile of roof temperature, the proposed concept is also first of its kind. Methods to optimize the thickness of screens are also presented in this report.

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

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: VEHICLE SECURITY SYSTEM THROUGH A VEHICLE INFORMATION DISPLAY INSTRUMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B60R25/00 :NA :NA :NA	(71)Name of Applicant:  1)JNS INSTRUMENTS LIMITED  Address of Applicant: PLOT NO4, SECTOR-3, IMT  MANESAR, GURGAON, Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAJESH SINGH
(87) International Publication No	: NA	2)ARUN KUMAR SHARMA
(61) Patent of Addition to Application Number	:NA	3)DEEPAK KUMAWAT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present subject matter relates to a programmed password protected vehicle security system through a vehicle information display instrument for a vehicle powered by an engine that importantly comprises of a liquid crystal display (LCD) provided on the vehicle information display instrument displaying a flashing cursor for entering the password. The vehicle information display instrument is also configured with a joystick switch provided to move UP, DOWN, RIGHT and LEFT for respective functions in entering the password. For instance, the LEFT and RIGHT movements of the joystick is to move the position (leftward and rightward) of the flashing cursor for feeding a four digit password in the LCD of the vehicle information display instrument of the vehicles. Similarly, the UP and DOWN movement of the joystick respectively increases (0 to 9) and decreases (9 to 0) the I password value by a unitary value. This subject matter also discloses an electronic I circuit structure to govern the operation of password protected vehicle information 1 display instrument of the vehicles wherein a correct password unlock the vehicle information display instrument and subsequently the engine of the vehicle. The subject matter further explains if the password entered may be incorrect for three consecutive trials, the vehicle information display instrument would get locked for at least thn-ty minutes. This leads to warning the user with a buzzer in addition to sending a message on users cell phone via a GSM module.

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

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AN IMPLANTABLE MEDICAL DEVICE AND A METHOD FOR OPTIMIZING POWER CONSUMPTION THEREOF

(51) International classification	·A61B5/0476	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Ltd.
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)THANGARAJU, Shyam
(87) International Publication No	: NA	2)SADASIVAM, Siva Sakthivel
(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 discloses an implantable medical device and a method for optimizing power consumption of the implantable medical device. The implantable medical device comprises a time synchronization unit, a decoder, and a processor. The time synchronization unit may receive a time signal transmitted by an atomic clock of a satellite using radio waves upon occurrence of an event. The event may be an internal command or an external command to activate the time synchronization unit. Further, the decoder may decode the time signal in order to obtain a time data. Further, the processor may generate a log of the time data and metadata. The metadata indicates physiological parameters of a patient. The implantable medical device further comprises an amplifier to amplify the time signal carrying the time data when strength of the time signal is in a predefined range.

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

(21) Application No.433/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :16/02/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: OPTICAL IMPLANTABLE 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</li> </ul>	:A61B5/00 :NA :NA :NA :NA :NA :NA : NA	(71)Name of Applicant: 1)ROOP Prakhyat Address of Applicant: c/o Dr.Roop, 348, Govind Lok, E.K. Road, Meerut Uttar Pradesh India (72)Name of Inventor: 1)ROOP Prakhyat
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An optical implantable member (102) is provided. The optical implantable member (102) includes an optic (104). The optic (104) includes an anterior surface (108) and a posterior surface (110), an optical centre (112) and a peripheral edge (116). The optical implantable member (102) is configured to be placed within a capsular bag of the eye. The optic (104) of the optical implantable member (102) includes a barrier (202). The barrier (202) is formed by a protrusion (202) on the posterior surface (110) of the optic (104). The protrusion (202) is concentric to an optical axis (114) of the optic (104). An outer wall (204 or 208) of the protrusion (202) is between the peripheral edge (116) and the optical centre (112). The barrier (202) restricts epithelial cells from migrating towards a central region of the capsular bag.

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

(21) Application No.681/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: METHOD AND DEVICE FOR RAPID DETECTION OF AMPLIFIED NUCLEOTIDE SEQUENCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:01/07/2013 :WO 2014/005969 :NA :NA :NA	(71)Name of Applicant:  1)CORIS BIOCONCEPT SPRL  Address of Applicant: Science Park Crealys Rue Jean Sonet  4A B 5032 Gembloux Belgium (72)Name of Inventor:  1)LECLIPTEUX Thierry  2)MERTENS Pascal  3)AVRAIN Laetitia  4)OTE Isabelle  5)SMEKENS Valrie
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a method and a device for amplification and rapid detection of target nucleotide sequences possibly present in a sample combining continuous flow PCR amplification with oligochromatography detection by capillary action on a test strip.

No. of Pages: 38 No. of Claims: 36

(22) Date of filing of Application :30/01/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD OF MAKING PACKAGES HAVING RE-CLOSABLE ZIPPER ON ONE PANEL AND PACKAGE THEREOF

		I
(51) International classification	:B65B9/06, B65B61/18, B65D33/25	
(31) Priority Document No	:NA	PAMPOSH ENCLAVE, GK-1, NEW DELHI-110048 India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)CHATURVEDI, ASHOK
(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	
(55) 41		<del>'</del>

### (57) Abstract:

The present invention provides a method of making re-closable package A (10) and a product made therefrom. The said method comprises providing a first web (46) and a second web (50), folding a predetermined portion (P) of the first web (46) into a V-shape (58) thereby forming an extended portion and cutting the V-shape (58) of the first web (46) to form a pair of extended panels (62). A re-closable zipper (42) sealed with the extended panels (62). The first web (46) sealed with the second web (50) at a first sealing zone (SZI) and second sealing zone (SZI). Subsequently, cut the first web (46) and the second web (50) at the first sealing zone (SZI) thereby obtaining a re-closable package (10). The said re-closable package (10) comprising a first panel (14), a second panel (18) and optionally side gussets (22, 26) and a bottom gusset (30).

No. of Pages: 25 No. of Claims: 24

(21) Application No.262/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :27/01/2015

(43) Publication Date: 20/02/2015

### (54) Title of the invention: FRONT FORK OF A TWO WHEELER

<ul> <li>(51) International classification</li> <li>(31) 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>	:B62K21/10, B62K3/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ENDURANCE TECHNOLOGIES PVT. LTD.  Address of Applicant :E-93, M.I.D.C. INDUSTRIAL AREA, WALUJ, AURANGABAD-431136, MAHARASHTRA, INDIA (72)Name of Inventor:  1)MURAGENDRA MAGADUM 2)CHANDRAKANT KALE
(87) 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 preload adjustment for front fork with separate main spring leg and a damping leg of a two wheeler comprising an actuation mechanism, a preload adjuster, a non return valve wherein said nonreturn valve is mounted on said main spring of the front fork through said preload adjuster and a spacer. The actuation mechanism comprises an actuation lever, a reservoir having a main hole, a microhole, a return spring, a piston, hydraulic lines and -a banjo bolt. When pressure from hydraulic mechanism is transmitted to said preload adjuster through said nonreturn valve where said nonreturn valves acts as a hydraulic lock and said preload adjuster pushes main spring of said front fork via said spacer. The stroke of the grooved preload adjuster is restricted by the fork bolt on top and a washer mounted on circlip on bottom.

No. of Pages: 21 No. of Claims: 6

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

(43) Publication Date: 20/02/2015

# (54) Title of the invention: WIRES(ELECTRICAL, TELEPHONE AND INTERNET), CABLES AND HOLLOW PIPES HAVING MARKINGS FOR LENGTH INDICATIOINS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01B13/34, H01B7/36 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. PRAKASH RAVINDRA SOMANI Address of Applicant: VIJAYNAGAR, BLDG. NO. 3, B-14, DHAYARI, NEAR DHARESHWAR MANDIR, SINHGAD ROAD, PUNE-411041, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)ATHARV PRAKASH SOMANI 2)DR. SAVITA PRAKASH SOMANI 3)DR. PRAKASH RAVINDRA SOMANI
Filing Date	:NA :NA	5)DR. PRAKASH RAVINDRA SOMANI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The length of wires (electrical, telephone and intemet), cables and hollow pipes needs to be measured using measuring tape/scale which is time consuming and tedious for very long length scales. Purpose of the present invention is to provide wires (electrical, telephone and intemet), cables and hollow pipes of which the length can be measured easily, without using an external measuring device/scale. [Solution] Wires (Electrical, telephone and Internet), cables and hollow pipes having markings on the outer surface for length indication (along their length) have been invented and disclosed.

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

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: IMPROVED TEA BAG FOR DIP-TEA

	:A23F3/06,	(71)Name of Applicant :
(51) International classification	B65D85/812,	1)DR. PRAKASH RAVINDRA SOMANI
	B65D81/00,	Address of Applicant: VIJAYNAGAR, BLDG. NO.3, B-14,
(31) Priority Document No	:NA	DHAYARI, NEAR DHARESHWAR MANDIR, SINHGAD
(32) Priority Date	:NA	ROAD, PUNE-411041, MAHARASHTRA, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. PRAKASH RAVINDRA SOMANI
Filing Date	:NA	2)DR. SAVITA PRAKASH SOMANI
(87) International Publication No	: NA	3)ATHARV PRAKASH SOMANI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Tea bags used for making diptea contains only tea. Additional ingredients for making tea are typically sugar and milk which are generally added separately. This is inconvenient and tim\_\_ consuming for the consumer. [Solution] I nvented improved tea bag contains at least ~ o9f the following materials: tea, sugar, and milk powder.

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

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: ESSENTIAL OIL COMPOSITIONS FROM PANCHA TULASI DROPS

	:C02F	(71)Name of Applicant :
(51) International classification	1/50,	1)BABUULAL BHAVARLAL JAIN
	A61k36/00	Address of Applicant :555 GREEN PARK APARTMENT,
(31) Priority Document No	:NA	DR. PRADHAN MARG, CHARAI, THANE (WEST), 400601,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	2)SURESHKUMAR BABUULAL JAIN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SURESHKUMAR BABUULAL JAIN
(87) International Publication No	: NA	2)AASINKUMAR JAGNARAYAN MAURYA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Composition for disinfecting water contaminated with pathogenic microorganisms, . comprising: a) an emulsifier; b) an essential oil composition selected from the group consisting of basil oils of Ocimum

sanctum; Ocimum basilicum; Ocimum grattissimum, Ocimum canum, Ocimum citriodorum, Ocimum tenuiflorum L, Ocimum ciliatum, Ocimum kilimandscharicum, Ocimum americanum; Ocimum campechianum, Ocimum Viride; c) optionally a carrier oil comprising a plant oil; d) optionally a natural anti-oxidant present in basil preserving the shelf life as well as provide anti-oxidant effect; \_ e) optionally containing an ingredient(s) enhances natural immunity. The present invention also provides a method for disinfecting water contaminated with pathogenic microorganisms, comprising treating the contaminated potable drinking water instantly with an effective amount of the composition.

No. of Pages: 26 No. of Claims: 19

(22) Date of filing of Application :09/02/2015 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A DEVICE FOR GENERATING UNIVERSAL IDENTIFICATION NUMBER (UID) UNIQUELY FOR LIVING AND NON-LIVING OBJECTS

(51) International classification	:g06f	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KAVURI CHANDRA SEKHARA MURTI
(32) Priority Date	:NA	Address of Applicant :PLOT-23, PHASE-2, SAKET,
(33) Name of priority country	:NA	KAPRA, HYDERABAD 500062 Telangana India
(86) International Application No	:NA	2)THOTA LAVANYA
Filing Date	:NA	3)SHARMA PRACHEE
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)KAVURI CHANDRA SEKHARA MURTI
Filing Date	:NA	2)THOTA LAVANYA
(62) Divisional to Application Number	:NA	3)SHARMA PRACHEE
Filing Date	:NA	

#### (57) Abstract:

A device to generate Universal Identification (U1D) number which is unique across the globe. The UID can be assigned to a new object that is created or an existing object or a deceased object globally, the object being a living or non-living entity. The device generates the UID based on spatio temporal parameters of the objects location and time of creation. By using this Universal Identification ID, any existing or deceased object either living or non-living can be uniquely identified across globe. The UID can be generated across the globe anywhere and at any time concurrently and uniquely without any clash of generated IDs. The novelty of the invention lies in the fact that the parameters from which the UID is generated are unique for a location and time on the globe.

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

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 20/02/2015

# (54) Title of the invention : HEAT-TREATABLE DUAL PHASE MARTENSITIC-FERRITIC STAINLESS STEEL ALLOY AND ITS PRODUCTION METHOD

(51) International classification	:c22c	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MISHRA DHATU NIGAM LIMITED
(32) Priority Date	:NA	Address of Applicant :MISHRA DHATU NIGAM LIMITED,
(33) Name of priority country	:NA	PO KANCHANBAGH, HYDERABAD, 500058 Telangana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. SATHYANARAYANA NARAHARI PRASAD
(87) International Publication No	: NA	2)DR. MRINAL CHATTERJEE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the heat treatable dual phase martensitic-ferritic stainless steel alloy in which the metastable austenite phase is transformed to . unstable martensite phase after cooling, and unstable martensite phase is further transformed to tempered martensite phase after tempering treatment resulting the steel exhibiting with excellent toughness. The heat treatable dual phase martensitic-ferritic stainless steel alloy consists essentially of, by weight, max 0.09% Carbon(C), from 0.3 to 0.5% Manganese(Mn), from 0.35 to 0.85% Silicon(Si), from 15.5 to 17.5% Chromium(Cr), from 0.75 to 1.25% Nickel(Ni), from 0.03 to 0.05% Nitrogen(N) and the balance essentially iron(Fe).

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

(22) Date of filing of Application :09/02/2015 (43) Publication Date : 20/02/2015

### (54) Title of the invention: MECHANICAL WATER LEVEL CONTROL

(51) International classification	:h01h (71)Name of Applicant :	
(31) Priority Document No	:NA 1)N.P. MOHAMMED SHERI	F
(32) Priority Date	:NA Address of Applicant :D-NO.	3/576, KOCHANGADY,
(33) Name of priority country	:NA COCHIN, 682005 Kerala India	
(86) International Application No	:NA (72)Name of Inventor:	
Filing Date	:NA 1)N.P. MOHAMMED SHERI	F
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	

### (57) Abstract:

A device is useful for automatic pumping of water mechanically is disclosed. The device is a frame (1) connected on top with two bars 19 and 12 - Inside the bar (12) a steel ball (15) is inserted. At left and middle of frame, two rods (3, 8) are fitted vertically, lower ends of both are connected with floats (2, 7). The top of Rod (3) and middle of Rod (8) are fitted round plates. Both rods are inserted through bushes (6, 5) and (10, 11) respectively. Each balls control limit switch to ON-OFF when water fills or empty. Opposite side of the frame is fitted a box with 1 Pipe (2) inserted and 2 pipe (3) project out from middle level. A steel rod (6) connected with steel round (7) on top and float (5) at base is fitted t the opening of box (1). This senses the presence of water by moving up and down the float (5) (FIG 3). When there is no water the float comes down making the LIMIT SWITCH (8) ON continuously and the line brakes after 1 minute with the help of electronic line breaker in the panel. By using this method, water can pumped easily without manual operation Mechanical sensor protects the motor.

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

(21) Application No.1364/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: PASSIVE VIBRATION ISOLATOR BY USING COMPLIANT MECHANISM

(51) International classification	:f16f	(71)Name of Applicant:
(31) Priority Document No	:NA	1)V. VIJAYAN
(32) Priority Date	:NA	Address of Applicant :GE CHAKKRA REGINCY, NO
(33) Name of priority country	:NA	ITOLGATE, TRÎCHY Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)V. VIJAYAN
(97) International Dublication No.	:	2)DR. T. KARTHIKEYAN
(87) International Publication No	NA	3)K. ARUN KUMAR
(61) Patent of Addition to Application Number	:NA	4)M. MANOJ KUMAR
Filing Date	:NA	5)K. VIGNESHWAR
(62) Divisional to Application Number	:NA	6)S. KARTHIK
Filing Date	:NA	7)P. ASWIN

#### (57) Abstract:

Compliant mechanisms have been designed for various types of applications to transmit desired forces and motions. In this paper, we explore an application of compliant mechanisms for passive vibration isolation systems. For this, a compliant isolator is used to cancel undesired disturbances, resulting in attenuated output amplitude. A compliant mechanism is equipped with an isolator, while a compliant meehanism also functions as a transmission of force and controls the amount of displacement that is transmitted from it.. It can be used as passive vibration isolation. Here, by introducing compliance into the connection, the transmission of applied forces is reduced at some frequencies at the expense of increasing transmission at other frequencies. While transmitted force is the key parameter from the receivers perspective, motion at the isolated machine is uninteresting. The force transmissibility is numerically identical to the motion transmissibility. The structural optimization approach is focused on the determination of the topology, shape, and size of the mechanism. The building blocks are used to optimize a structure for force transmission. The flexible building blocks method is used for the optimal design of compliant mechanisms. This approach is used to establish the actuator model of the block and its validation by commercial finite element software. A. library of compliant elements is proposed in FlexIn. These blocks are limited in number, and the basis is composed of 36 elements. The force transmitted to the rigid foundation through the isolator is reduced in order to avoid the transmission of vibration to other machines. The preliminary results of FEA from ANSYS demonstrate that compliant mechanism can be effectively used to reduce the amount of force transmitted to the surface

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

(21) Application No.6635/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :29/12/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : BIO DIESEL PROCESS COMPLEX WHERE THE POWER, STEAM ETC ARE PRODUCED INHOUSE ALONGWITH THE VALUE ADDED BY PRODUCTS

(51) International classification	:c101	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHASHI KUMAR N K
(32) Priority Date	:NA	Address of Applicant :3C, SHREYAS, 4TH SEAWARD
(33) Name of priority country	:NA	ROAD, VALMIKI NAGAR, THIRUVANMIYUR, CHENNAI
(86) International Application No	:NA	600041 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SHASHI KUMAR N K
(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 an integration of different processes while making Biodiesel wherein each stage is inter-related to the biproducts and wastes in the previous processes by which the complex is self sufficient with respect to the power, steam and water and
generates all the bio products as fuel and agricultural plant protection in addition to Bio-Glycerine. The complex do not discharge any
solid or liquid wastes which are in reality reprocessed to manufacture higher value added product and make the complex highly
profitable and also could get huge carbon credits.

No. of Pages: 11 No. of Claims: 8

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COMMERCIAL SCALE DEVELOPMENT OF AN ULTRA HIGH STRENGTH-HIGH FRACTURE TOUGHNESS MARAGING STEEL USING THERMO MECHANICAL TREATMENTS

(51) International classification	:c21D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MISHRA DHATU NIGAM LIMITED
(32) Priority Date	:NA	Address of Applicant :MISHRA DHATU NIGAM LIMITED,
(33) Name of priority country	:NA	PO KANCHANBAGH, HYDERABAD, 500058 Telangana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. KRISHNAN SIVASUBRAMANIAN
(87) International Publication No	: NA	2)DR. MRINAL CHATTERJEE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The methods for commercial scale production of ultra high strength and high fracture toughness maraging steel having composition as Ni-18%, Co-15%, Mo-6.5%, Ti-1% and the balance is Fe; from cold as well as hot worked steel products, using novel thermal/thermo mechanical treatments. For hot worked steel products, after solution treatment, cryogenic treatment and followed by aging treatment is applied. For cold rolled steel products, after annealing, cold working and followed by aging treatment is applied. The cold working and cryogenic treatments increases the strength, fracture toughness and ductility, by transforming the remaining austenite to martensite using the methods of the present invention.

No. of Pages: 14 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 20/02/2015

(54) Title of the invention: A CAUSAL SIMULATION SYSTEM AND METHOD OF PROCESSING AND ASSIGNING 'WEB PAGE' & DATA OBJECTS TO AN ARRAY OF CACHE SYSTEMS

(21) Application No.584/CHE/2015 A

(51) International classification	:g06f	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WAYNE DSOUZA
(32) Priority Date	:NA	Address of Applicant :NO.35, ANJUGAM NAGAR, 4TH
(33) Name of priority country	:NA	STREET, KOLATHUR, CHENNAI-600099 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WAYNE DSOUZA
(87) 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) 41		

#### (57) Abstract:

A causal simulation system and method of processing and assigning web page & data objects to an array of cache systems. The present invention generally relates to web page performance and particularly relates to a system and method of processing and assigning web pages & data objects to various cache systems, in order to improve web page load times. It performs causal iterative simulation of web page load times with pre-compression factor and cache compression factor as independent variables alongside the various loadsection combinations of scripts with precedence grouping. It also examines the distribution of webpages to assign the page to a cache system, with the optimized values of pre-compression, cache compression and loadsection scripts groupings & order, derived basis the causal algorithm, and stored as an array of uncompressed as well as pre-compressed code prior to caching thereby improving page load speeds.

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

### **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.1971/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: PROCESS CONTROL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:G06Q :202012006550.5 :06/07/2012 :Germany :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)ALEXANDER KAISER  2)DR. ING BENJAMIN DANZER  3)DRING DANIEL GROSSMANN
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### (57) Abstract:

The invention relates to a process control system for the automated control of the process-engineering installations with a device management system, wherein the process control system comprises at least one central facility and also a plurality of field devices and wherein the device management system comprises at least one function for integrating a field device into the process control system. For the purpose of transhitting experiences of the users to the system provider, it is proposed that at least one component of the process control system be designed to provide the user with a user interface for rating (2) the integration solution, to capture the rating from the user and to transmit the rating from the user to the system provider for evaluation.

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

(21) Application No.2426/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: QLTS FOR MILK FAT PERCENT IN BUFFALOES

#### (57) Abstract:

The present invention relates to identification of QTL for milk fat percent in buffalo (Bubalus bubalis) using microsatellite markers. A core set of 39 microsatellite markers from BTA3 (BBU6), BTA6 (BBU7), BTA9 (BBU10) and BTA14 (BBU15) from cattle genome database were identified and were amplifiable in buffaloes. Genotyping was done on a reference population by selection of daughters of 12 sires (half sib family) of buffaloes; the bulls were selected from the breed tract of Murrah buffaloes. The phenotypic records of milk fat percent of 2141 buffalos were obtained and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL Cartographer, interval mapping using Rlqtl and meta-QTL analysis using Biomercator. The QTL positions obtained in BBU6 were between 80 - lOOCm while in BBU7, the QTL positions were obtained between 25 - 60cM and 65 - 85cM. The QTL positions obtained in BBU10 was between 40 and 60cM. The QTL peak position was identified between 40 and 60cM in BBU15. The peak positions were confirmed by meta-analysis using Biomercator and Joint trait analysis using QTL Cartographer. The evidence in this study adds confidence and indicates the region of potential interest for finer analysis in buffaloes. This will help to find the compelling evidence to unravel the expression of genes identified which are directly associated with the trait of interest in buffaloes.

No. of Pages: 19 No. of Claims: 31

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: QTLS FOR MILK PROTEIN PERCENT IN BUFFALOES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12Q :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)  Address of Applicant :INDIAN COUNCIL OF AGRICULTURAL RESEARCH KRISHI BHAVAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI - 110 114 Delhi India (72)Name of Inventor:  1)VIJH RAMESH KUMAR 2)BANERJEE PRIYANKA 3)JOSHI JYOTI 4)SHARMA UPASNA
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#### (57) Abstract:

The present invention relates to identification of QTL for milk protein percent in buffalo (Bubalus bubalis) using microsatellite markers. A core set of 39 microsatellite markers from BTAI (BBUI), BTA3 (BBU6), BTA6 (BBU7) and BTA9 (BBUIO) from cattle genome database were identified and were amplifiable in buffaloes. Genotyping was done on a reference population by selection of daughters of 12 sires (half sib family) of buffaloes; the bulls were selected from the breed tract of Murrah buffaloes. The phenotypic records of milk protein percent of 2141 buffalos were obtained and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL Cartographer, interval mapping using Rlqtl and meta-QTL analysis using Biomercator. The QTL positions obtained in BBUI were between 100 - 150cM with peak position at 130cM while the QTL positions obtained in BBU6 were between 20-40cM with peak position at 30cM and 60-80cM. The QTL peak positions were identified between 0 - 40cM in BBU7. In BBU10, the QTL positions were obtained between 60 and 90cM with peak position at approx 80cM. The peak positions were confirmed by meta-analysis using Biomercator and Joint trait analysis using QTL Cartographer. The evidence in this study adds confidence and indicates the region of potential interest for finer analysis in buffaloes. This will help to find the compelling evidence to unravel the expression of genes identified which are directly associated with the trait of interest in buffaloes.

No. of Pages: 31 No. of Claims: 34

(21) Application No.2146/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: WASTE COLLECTION BIN WITH ANTI-DRIP 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 Number</li> </ul>	:B65F :1256954 :18/07/2012 :France :NA :NA : NA	(71)Name of Applicant:  1)COMPAGNIE PLASTIC OMNIUM  Address of Applicant: 19 AVENUE JULES CARTERET 69007 LYON, FRANCE (72)Name of Inventor:  1)WOLFF, HORST  2)IGELBRINK, MICHAEL 3)DURCROCQ, ISABELLE
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

### (57) Abstract:

Waste collection bin (21) comprising a collar (25, 75) around the opening and ribs (37, 38, 45, 51, 59, 73, 79) under the collar (25, 75) to strengthen it. The bin (21) is shaped so that it can be inserted in another identical bin (21) by fitting its tank (23) in the opening of the tank (23) of the other bin (21), the collars (25, 75) of the two bins (21) then being superimposed one above the other. Each rib (37, 38, 45, 51, 59, 73, 79) is shaped so that water running along said rib does not flow into the tank of a bin underneath when several bins are stacked.

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

(21) Application No.2395/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : BUS STRUCTURE, TERMINAL BLOCK, AND TERMINAL BLOCK ASSEMBLY FORMED THEREFROM

(51) International classification	:H01R	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DINKLE ENTERPRISE CO., LTD.
(32) Priority Date	:NA	Address of Applicant :NO. 3, MIN AN ROAD, HSIN
(33) Name of priority country	:NA	CHUANG DIST., NEW TAIPEI CITY 242 Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHANG TSAI WU
(87) 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 bus structure includes a positioning rail, a bus body and bus bars. The bus body has a projecting portion and a depressed portion. The projecting portion has a ramp. A terminal block includes a housing and a connector, one of which includes a projecting portion and a depressed portion. The depressed portion has a ramp. Also disclosed is a terminal block assembly formed by combining the bus structure and the terminal block. The projecting portion of one of the housing and the connector engages with the depressed portion of the bus body and the projecting portion of the bus body is inlaid into the depressed portion of one of the housing and the connector, so that the ramps of the bus body and of the terminal block retain each other, thereby effectively preventing reverse combination between the bus structure and the terminal block, and preventing breakage of components thereof.

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

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: APPARATUS AND METHODS FOR CLOT DISRUPTION AND EVACUATION

(51) International classification	:A61M	(71)Name of Applicant:
(31) Priority Document No	:61/682,478	1)COVIDIEN LP
(32) Priority Date	:13/08/2012	Address of Applicant :15 Hampshire Street, Mansfield,
(33) Name of priority country	:U.S.A.	Massachusetts 02048 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAY, Miranda M.
(87) International Publication No	: NA	2)CLAYTON, Jessica
(61) Patent of Addition to Application Number	:NA	3)GO, Lawrence
Filing Date	:NA	4)THAI, Michael
(62) Divisional to Application Number	:NA	5)HANLON, James
Filing Date	:NA	6)VO, Young

### (57) Abstract:

The apparatus includes a catheter having a combined infusion/aspiration lumen, a three lumen proximal portion and a two lumen distal portion. An infusion/aspiration valve located at the distal end of the catheter facilitates performing infusion and aspiration through the same lumen, which in turn reduces the number of lumens, and enables the combined infusion/aspiration lumen to be made larger without the need to increase the diameter of the catheter. Differing material properties in the proximal and distal portions of the catheter enable the proximal portion to be made stiffer for pushability, while the distal portion is more flexible to navigate tortuous vasculature and enable a greater amplitude agitator to be received within the catheter.

No. of Pages: 48 No. of Claims: 22

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD FOR MIXING A DILUTION AIR IN A SEQUENTIAL COMBUSTION SYSTEM OF A GAS 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></ul>	:F23R :12181736.5 :24/08/2012 :EUROPEAN	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND
(86) International Application No	UNION :NA	(72)Name of Inventor: 1)EROGLU, ADNAN
Filing Date	:NA	2)FREITAG, EWALD
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method for mixing a dilution air in a sequential combustion system of a gas turbine 2013 The invention relates a method for mixing a dilution air with a hot main flow in a sequential combustion system of a gas turbine (loo), wherein the gas turbine essentially comprises at least one compressor, a first combustor which is connected downstream to the compressor The hot gases of the first combustor are admitted to at least one intermediate turbine or directly or indirectly to at least one second combustor, wherein the hot gases of the second combustor are admitted to a further turbine or directly or indirectly to an energy recovery. The method comprising a coaxial injection of first combustor liner cooling air (104) with second combustor liner cooling air (105) having a sufficient excess pressure margin with respect to the second combustor liner cooling air

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

(22) Date of filing of Application :24/07/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : PIPE ASSEMBLY FOR THE FLOW OF A FLUID AND OF A CURRENT AND METHOD FOR ASSEMBLING SUCH A PIPE 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> </ul>	:F16J :12/57294 :27/07/2012 :France :NA :NA	01410 CHAMPFROMIER FRANCE (72)Name of Inventor: 1)LEBLANC NICOLAS 2)CEYZERIAT YANNICK
e e e e e e e e e e e e e e e e e e e		
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	O)METER GEOTTRO

#### (57) Abstract:

This pipe assembly comprises a pipe (2) having an internal duct (4) for the fluid and an electrical wire (6) longer than the pipe (2). The pipe (2) comprises: - one or more groove(s) (8, 10) along the pipe (2); - at least one lip (11, 12, 13, 14) which extends parallel to a groove (8, 10) and which can be deformed; - between a configuration in which the electrical wire (6) can be introduced into the groove (8, 10); and - a secondary configuration in which a lip (11, 12, 13, 14) covers the groove (8, 10). The pipe assembly also comprises means for keeping the or each lip (11, 12, 13, 14) in the secondary configuration.

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

(21) Application No.2432/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND METHODS FOR PLATFORM INDEPENDENT KERNEL AND OPERATING SYSTEM DESIGN WITH DEVICE IDENTIFICATION CONTROLLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant: 1)KAPOOR RITESH Address of Applicant:41, VINOBA PURI, LAJPAT NAGAR- 2, NEW DELHI- 110024 Delhi 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	:NA : NA :NA :NA :NA	1)KAPOOR RITESH
Filing Date	:NA	

#### (57) Abstract:

This invention describes different approaches to develop and design platform independent kernel and operating systems which includes a system and method for executing platform independent code on coprocessor, a system and method for translating platform independent code to the target machine CPU instruction set for execution, and a system and method involving central processing unit supporting operational mode where the processor itself is responsible for execution of the platform independent code. It describes the actual hardware independency rather than implementing abstractions built on services provided by the hardware. The kernel is capable of running on different architectures, handling different devices without the need of recompilation of kernel or entire operating system. A new environment is proposed which enables to easily enumerate all the devices attached to the system and dynamic driver support to interact with the hardware by incorporating device identification controller. It eases the replication of operating system and leads to plug and play portable kernel which can be executed from any storage device and on any platform. The design proposed requires additional hardware and current architecture to be modified in order to supnort platform independency and a common interface for querying hardwar-e related information.

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

(21) Application No.2433/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR THE SYNTHESIS OF TRIFLUOROMETHANESULFONIC ACID

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SRF LIMITED
(32) Priority Date	:NA	Address of Applicant :BLOCK-C, SECTOR- 45, UNICREST
(33) Name of priority country	:NA	BUILDING, GURGAON, HARYANA (INDIA) Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)IYENGAR, SARATHY
(87) International Publication No	: NA	2)SEETHARAMAN, PRASANNA KUMAR
(61) Patent of Addition to Application Number	:NA	3)RAMANATHAN, RAJASEKARAN
Filing Date	:NA	4)GEORGE, JOSE
(62) Divisional to Application Number	:NA	5)SAXENA, RAHUL
Filing Date	:NA	6)ANAND, RAJDEEP

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

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

The present invention provides a process for preparation of trifluoromethanesulfonic acid.

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ELECTRICAL POWER SYSTEM STABILITY OPTIMIZATION SYSTEM

	Address of Applicant :100 NORTH RIVERSIDE PLAZA,  CHICAGO, IL 60606-2016, USA U.S.A.
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### (57) Abstract:

A method and apparatus for electrical power system (100) stability optimization. An electrical power system (100) comprising source elements (109) and load elements (111) is simulated to generate impedance data (328), wherein the impedance data (328) identifies an impedance of the electrical power system (100). A stability profile (401) of the electrical power system (100) is characterized as a function of the impedance data (328), wherein the stability profile (401) identifies the source elements (109) and load elements (111) to control power generation by the electrical power system (100) to optimize stability of the electrical power system (100).

No. of Pages: 48 No. of Claims: 14

(19) INDIA

(21) Application No.2494/DEL/2013 A

(22) Date of filing of Application :23/08/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: MOTOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:F21V :102012111352.1 :23/11/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor: 1)KARL DUMS
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## (57) Abstract:

The invention relates to a motor vehicle having a lighting device (4-7), which is combined with a noise-output device, and having an electrical drive device. In order to optimize a motor vehicle having a lighting device, which is combined with a noise output device, and having an electrical drive device in respect of the installation space required for the noise output device, at least one diffusing lens of the lighting device (4) is designed as a sound emitting device.

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

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AUTO-SPRAY DEVICE FOR LEATHER

<ul> <li>(51) International classification</li> <li>(31) 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>	:B05B :10-2012- 0077843 :17/07/2012 :Republic of Korea :NA :NA	(71)Name of Applicant:  1)SECO CO., LTD  Address of Applicant:#195-43, YEOUL-GIL, PAJU-YUP, PAJU-SHI, GYUNGGI-DO, REPUBLIC OF KOREA  2)YOO, JI-MUN  (72)Name of Inventor: 1)YOO, JI-MUN
(32) I Hoffity Date		
(33) Name of priority country		
(86) International Application No	:NA	1)YOO, JI-MUN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An auto-spray device for leather including: a hollow main air pipe for guiding compressed air for spraying paint; an 5 upper electric line hose block and an air hose block sequentially combined with the main air pipe; an upper distribution pipe mounted to the main air pipe so as to guide different types of paint while guiding both an upper electric line hose and an upper air hose; a paint supply unit having 10 paint supply members for supplying the different types of paint; a lower distribution pipe mounted to the upper distribution pipe; a hollow bracket mounted to the ceiling plate of a painting booth, with the lower distribution pipe rotatably inserted into the hollow bracket; a rotary disc 15 mounted to the lower distribution pipe and having nozzle holders for holding nozzles; and air tubes connected to the lower distribution pipe and extending to the nozzles.

No. of Pages: 45 No. of Claims: 6

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMPROVED TUBE HEAD COMPRISING AN INSERT FORMING A BARRIER

(51) International classification	:B65D	(71)Name of Applicant:
(31) Priority Document No	:1258047	1)ALBEA SERVICES
(32) Priority Date	:28/08/2012	rr
(33) Name of priority country	:France	GAULLE - ZAC DES BARBANNIERS - LE SIGNAC 92230
(86) International Application No	:NA	GENNEVILLIERS, FRANCE
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ERIC KERMAN
(61) Patent of Addition to Application Number	:NA	2)THIERRY MAURICE
Filing Date	:NA	3)JEAN-CLAUDE JAMMET
(62) Divisional to Application Number	:NA	4)ETIENNE HERMANT
Filing Date	:NA	5)JEROME LIARD

## (57) Abstract:

The present invention relates to a tube head (1) which is designed to be associated with a skirt (4) so as to form an internal volume of the tube, said tube head (1) comprising a body (11), which is made of plastics material, comprising a neck (3) having an opening (5) at a first end, through which opening a product is removed from the internal volume of the tube, and a shoulder (2) which is joined to a second end of the neck (3) opposite the first end, said tube head (1) further comprising an insert (6) arranged so as to be in contact with said shoulder (2) so as to form a barrier between the body (11) and the product contained in the internal volume, characterised in that said insert (6) comprises a central portion and a peripheral region, said central portion forming a non-perforated disc which is designed to seal the neck (3), and said peripheral region being mounted so as to be in contact with a complementary surface ofthebody(11).

No. of Pages: 13 No. of Claims: 6

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ELECTRICAL MACHINE AND METHOD FOR OPERATING SUCH AN ELECTRICAL MACHINE

(51) International classification	:H02K :12181949.4	(71)Name of Applicant: 1)ALSTOM RENEWABLE TECHNOLOGIES S.A.S.
(31) Priority Document No (32) Priority Date	:28/08/2012	Address of Applicant :82, AVENUE LEON BLUM, 38100
(33) Name of priority country		GRENOBLE, FRANCE (72)Name of Inventor:
(86) International Application No	:NA	1)SCHWERY, ALEXANDER
Filing Date	:NA	2)TRAXLER-SAMEK, GEORG
(87) 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:

Electrical Machine and Method for Operating Such An Electrical Machine The electrical machine (10) comprises a first rotor core (13), with a first rotor winding (14), a first stator core (16) with a first stator winding (17), an excitation device (18) for supplying current to the first rotor winding (14). The excitation device has a second rotor core (19) with a second rotor winding (20), the second rotor core (19) being connected to the first rotor core (13) in a fixed rotational relationship, and a second stator core (21) with a second stator winding (22). The second rotor winding (20) and the second stator winding (22) are multi-phase windings, and the first and second rotor windings (14, 20) are connected to one another.

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

(21) Application No.2514/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date: 20/02/2015

## (54) Title of the invention: MIXING CONTROL VALVE

(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	:H04N :10 2012 215 530.9 :31/08/2012 :Germany :NA
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#### (57) Abstract:

The invention relates to an apparatus (100) for producing fluid mixtures, comprising at least a first (101) and a second line (102) for conveying at least a first (106) and a second fluid medium (107), and at least one valve (119) communicating with the first (101) and the second line (102) and including a valve control body (113) that can be adjusted in position, characterized in that the valve control body (113) includes at least one opening, and that by uncovering the at least one opening, dependent on the adjustment position of the valve control body (113), an amount of the first medium (106) controllable by the adjustment position of the valve control body can, by means of the at least one opening of the valve control body (113), be transferred to the second medium (107) and simultaneously be blended into the second medium (107).

No. of Pages: 26 No. of Claims: 13

(21) Application No.2398/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : COMPOSITION COMPRISING HERBAL EXTRACT OF JATROPHA INTEGERRIMA JACQ AND USES THEREOF

(51) International classification	· 461K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GURU JAMBHESHWAR UNIVERSITY OF SCIENCE
(32) Priority Date	:NA	AND TECHNOLOGY, HISAR
(33) Name of priority country	:NA	Address of Applicant :GURU JAMBHESHWAR
(86) International Application No	:NA	UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR-
Filing Date	:NA	125001 Haryana India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PROF. SURENDRA KUMAR SHARMA
Filing Date	:NA	2)HARNEET SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to use of extracts of Jatropha integerrima Jacq. for healing of wounds. The present invention further relates to a pharmaceutical composition comprising extract of Jatropha integerrima Jacq. roots. More particularly, the present invention relates to an ointment composition comprising methanolic and/or aqueous extracts of Jatropha integerrima Jacq. roots for wound healing.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2399/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SURFACTANT COMPOSITIONS AND USE FOR AQUEOUS 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</li></ul>	:C09K :61/701,840 :17/09/2012 :U.S.A. :NA	'
Filing Date	:NA : NA	1)IRINA V. GRAF
(87) International Publication No (61) Patent of Addition to Application Number	:NA	2)ARKADY L. KRASOVSKIY
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A surfactant composition selected from the group consisting of (RiO)CH2CH(OCH2CH2)i-2oOHCH2(OR2) and mixtures thereof; wherein at least one of Rl and R2 are secondary alkyl groups including from 3 to 9 Carbon atoms; an aqueous coating composition including an aqueous polymeric dispersion; and certain other compositions including the surfactant composition are provided. Also provided is a method for forming a coating.

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

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR MANUFACTURING A THREE-DIMENSIONAL 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>	UNION :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant: BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)ETTER, THOMAS 2)SCHURB, JULIUS 3)DICKENBACHED, LUKAS EMANUEL
(87) International Publication No	: NA	3)RICKENBACHER, LUKAS EMANUEL
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)KUENZLER, ANDREAS
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Method for Manufacturing a Three-Dimensional Article The invention refers to a method for manufacturing a three-dimensional article (1 I)c,om prising the steps of a) successively building up said article (I I) from a metallic base material (12) by means of an additive manufacturing process, thereby creating an article with a substantial anisotropy of its properties; and b) heat treating said manufactured article (1 1) at sufficient high temperature to reduce said anisotropy significantly by recrystallisation andlor grain coarsening.

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

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD FOR MIXING A DILUTION AIR IN A SEQUENTIAL COMBUSTION SYSTEM OF A GAS 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> </ul>	:F23R :12181748.0 :24/08/2012 :EUROPEAN UNION :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)BOTHIEN, MIRKO RUBEN
<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:

Method for mixing a dilution air in a sequential combustion system of a qas turbine. The invention concerns a method for mixing a dilution air with a hot main flow in sequential combustion system of a gas turbine, wherein the gas turbine essentially comprises at least one compressor, a first combustor which is connected downstream to the compressor, and the hot gases of the first combustor are admitted to at least one intermediate turbine or directly or indirectly to at least one second combustor. The hot gases of the second combustor are admitted to a further turbine or directly or indirectly to an energy recovery, wherein at least one combustor runs under a caloric combustion path having a can-architecture. At least one dilution air injection is introduced into the first combustor, and wherein the direction of the dilution air injection is directed against or in the direction of the original swirl flow inside of the first combustor.

No. of Pages: 25 No. of Claims: 13

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

(54) 7	COAF	(71)
(51) International classification	:G02F	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SEMICONDUCTOR ENERGY LABORATORY CO.,
(51) Thomas Bocament No	188057	LTD.
(32) Priority Date	:28/08/2012	Address of Applicant :398, HASE, ATSUGI-SHI,
(33) Name of priority country	:Japan	KANAGAWA-KEN 243-0036, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUNPEI YAMAZAKI
(87) International Publication No	: NA	2)YOSHIHARU HIRAKATA
(61) Patent of Addition to Application Number	:NA	3)TAKESHI NISHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A display device in which reliability of a display element is improved is provided. Alternatively, a display device in which reliability of a transistor is improved is provided. Alternatively, a display device in which an increase in an area of a periphery region is suppressed is provided. A display device includes a display region including a display element between a first flexible substrate and a second flexible substrate in which the display region is surrounded by a first continuous sealant, the first sealant is surrounded by a second continuous sealant, and the second sealant is provided between the first substrate and the second substrate and on at least one of a side surface of the first substrate and a side surface of the second substrate.

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

(21) Application No.2160/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD FOR ALLOCATION OF NETWORK RESOURCES IN AN OPERATIONS NETWORK FOR A SELECTED ENVIRONMENT

(-1) -		
(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:1214918.3	1)GE Aviation Systems Limited
(32) Priority Date	:22/08/2012	Address of Applicant :Bishops Cleeve, Cheltenham,
(33) Name of priority country	:U.K.	Gloucestershire, GL52 8SF (GB) U.K.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WOOD, Timothy John
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method for allocation of network resources in an operations network (16) for a selected environment (12) includes, among other things, a plurality of applications (20, 22, 24, 26, 28) communicating over a network (16) having a bandwidth capacity and a plurality of modes including at least a first mode and a second mode.

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

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: VOICE SEARCH AND RESPONSE BASED ON RELEVANCY

(51) International classification	:G10L	(71)Name of Applicant:
(31) Priority Document No	:61/683,393	1)HOMER TLC, INC.
(32) Priority Date	:15/08/2012	Address of Applicant :NEMOURS BUILDING SUITE 1424,
(33) Name of priority country	:U.S.A.	1007 ORANGE STREET, WILMINGTON, DELAWARE 19801,
(86) International Application No	:NA	U.S.A. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)IAN O'NEAL BECKFORD
(61) Patent of Addition to Application Number	:NA	2)MICHAEL L. GUHL
Filing Date	:NA	3)ANEES HAIDRI
(62) Divisional to Application Number	:NA	4)KEVIN JAMES SCHOLZ
Filing Date	:NA	5)PAUL STERK

## (57) Abstract:

A user seeking information relevant to the purchase of a home improvement product or other product submits a query to an automated system. The system transforms the users voice query into a text statement and searches a knowledgebase for candidate responses. Quality scores for the candidate responses are determined. If no candidate response having at least a minimum quality score is identified, the query is sent to a second device associated with an agent. The agent response is provided to the user and stored in the knowledgebase for future use.

No. of Pages: 22 No. of Claims: 26

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HEAT TRANSFER ASSEMBLY FOR ROTARY REGENERATIVE PREHEATER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/593,054 :23/08/2012	
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### (57) Abstract:

Disclosed is a heat transfer assembly for a rotary regenerative preheater. The heat transfer assembly, includes, a plurality of heat transfer elements stacked in spaced relationship to each other in a manner such that each notch from a plurality of notches of one of the heat transfer element rests ,on respective flat sections from a plurality of flat sections of the adjacent heat transfer elements to configure a plurality of closed channels, each isolated from the other, wherein each of the channels has a configuration in a manner such that each of corrugation sections from a plurality of corrugation sections of one of the heat transfer elements faces respective undulation sections from a plurality of undulation sections of the adjacent heat transfer elements.

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

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: QUICK-RELEASE FASTENING MECHANISM

(86) International Application No Filing Date (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) NA (82) Name of Inventor:  1) SAUTET, JEAN-YVES;	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	Address of Applicant :34 BOULEVARD DE VALMY 42328 ROANNE CEDEX, FRANCE; (72)Name of Inventor:
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### (57) Abstract:

The invention relates to a quick-release fastening mechanism (1) for rendering integral or detaching an equipment (20) on board of a vehicle. This mechanism is characterized in that it comprises: a frame (3) integral with the vehicle, wherein the frame (3) comprises at least one detent (6) at one of the ends the frame (3) and at least one jaw (5) integral with a rod (7) moveable in translation against the action of a spring at the second end of the frame (3), a support plate (2) intended to be integral with the equipment and to be held tightly between the detent (6) and the jaw (5), a bistable blocking means (4) integral with the jaw (5) and comprising a connecting rod (8) and a link (9) ensuring a connection of the rod end (7) to the frame (3) by three joint hinges (10,11,12) having axes parallel to each other. Figure to be published with the abstract:

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

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HYDRAULIC MACHINE AND METHOD OF OPERATING SAME

(51) International classification	:F03B	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA TOSHIBA
(31) I Hority Document No	205754	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(32) Priority Date	:19/09/2012	MINATO-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KUROSAWA SADAO
Filing Date	:NA	2)KUROKAWA TOSHIFUMI
(87) International Publication No	: NA	3)FUJITA TAKASHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one embodiment, a hydraulic machine includes a runner including a plurality of blades arranged in a ring shape, a crown connected to the blades from an upper side and having a lower end surface at a position surrounded by the blades, and a band connected to the blades from a lower side, the runner being configured to convert energy of pressured water into rotational energy. The machine further includes a main shaft configured to transmit the rotational energy of the runner to a generator, and a draft pipe located downstream of the runner, and configured so that the water used to drive the runner flows into the draft pipe. The machine further includes a columnar member disposed on a rotation axis of the main shaft below the crown, and having a diameter smaller than a diameter of the lower end surface of the crown.

No. of Pages: 28 No. of Claims: 11

(12) THE THE ENTROISE CONTROL

(21) Application No.2422/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DISPLAY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G02F :2012- 184336 :23/08/2012 :Japan :NA :NA	(71)Name of Applicant:  1)SEMICONDUCTOR ENERGY LABORATORY CO., LTD.  Address of Applicant: 398 HASE, ATSUGI-SHI, KANAGAWA-KEN 243-0036, JAPAN (72)Name of Inventor:  1)YAMAZAKI SHUNPEI 2)HIRAKATA YOSHIHARU
S .		l (
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)HIRAKATA YOSHIHARU
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
rining Date	.11//1	

#### (57) Abstract:

An inorganic insulating film containing nitrogen, which has high adhesion to a sealant and an excellent effect of blocking hydrogen, water, and the like, is used as a 5 layer in contact with the sealant. Further, the sealant is provided on the outer side than a side surface of an end portion of the organic insulating film provided over the transistor or the inorganic insulating film containing nitrogen is provided to cover an area from a region which is on the outer side than the edge of the organic insulating film to the side surface and the top surface of the end portion of the organic insulating film. 10 Accordingly, the entry of hydrogen, water, and the like existing outside the display device into the oxide semiconductor included in the transistor can be suppressed, so that the display device can have high reliability.

No. of Pages: 79 No. of Claims: 19

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 20/02/2015

# (54) Title of the invention : MANAGEMENT SUPPORT SYSTEM AND METHOD FOR WATER PURIFICATION AND FOR WASTEWATER TREATMENT

(51) International classification	:C02F	(71)Name of Applicant:
(31) Priority Document No	:2012- 209601	1)HITACHI, LTD. Address of Applicant :6-6 MARUNOUCHI 1-CHOME,
(32) Priority Date	:24/09/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOKOI HIROTO
Filing Date	:NA	2)SANGU YUTAKA
(87) International Publication No	: NA	3)NISHIDA YOSHINORI
(61) Patent of Addition to Application Number	:NA	4)TAKEMOTO TAKESHI
Filing Date	:NA	5)TACHI TAKAHIRO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An object of the present invention is to reduce a risk of water and wastewater treatment by designing an operation plan of water and wastewater facilities in consideration of supply of electric power. The present invention provides a management support system for water purification and for wastewater treatment in which a management server that manages water supply control and management in a water purification facility and a water transmission and distribution facility, and an operation of the amount of wastewater treatment in a sewerage facility includes: a water supply control and management/wastewater treatment plan designing unit that designs a water supply control and management plan and a wastewater treatment plan in water and wastewater facilities using data of supply of electric power supplied to the water purification facility, the water transmission and distribution facility, and the sewerage facility, water demand prediction data, and sewerage flow rate prediction data; a water transmission and distribution facility control unit that controls the water level and the water delivery pressure of a service reservoir in the water transmission and distribution facility using the planned data designed by the water supply control and management/wastewater treatment plan designing unit; and a blower control unit that controls the air volume of a blower of the sewerage facility using the planned data designed by the water supply control and management/wastewater treatment plan designing unit.

No. of Pages: 57 No. of Claims: 12

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: CONTROL DEVICE AND CONTROL METHOD FOR THERMAL POWER PLANTS

		(71)Name of Applicant:
(51) International classification	:G06F	1)HITACHI, LTD.
(21) Priority Dogument No.	:2012-	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(31) Priority Document No	198154	CHIYODA-KU, TOKYO 100-8280, JAPAN
(32) Priority Date	:10/09/2012	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)SEKIAI TAKAAKI
(86) International Application No	:NA	2)KUSUMI NAOHIRO
Filing Date	:NA	3)HAYASHI YOSHIHARU
(87) International Publication No	: NA	4)SUZUKI KANAKO
(61) Patent of Addition to Application Number	:NA	5)TAKEUCHI HIROTO
Filing Date	:NA	6)KITAGAWA KATSUHIDE
(62) Divisional to Application Number	:NA	7)AKATSU TOHRU
Filing Date	:NA	8)FUKAI MASAYUKI
-		9)ASAKURA KAZUYASU

### (57) Abstract:

To prevent the performance of a thermal power plant from deteriorating in the event of a change in operating mode and environment. [Means of solution] There is disclosed a control device for a thermal power plant, equipped with a manipulation signal generator which refers to measurement signal data acquired from the thermal power plant and generates a first manipulation signal for the thermal power plant, the control device outputting the first manipulation signal generated by the manipulation signal generator to the thermal power plant. The control device includes: a manipulation result judgment part that refers to the measurement signal data and judges whether improvement or deterioration in the thermal power plant performance has been made as a result of output of the first manipulation signal; a state classifying part that refers to measurement signal data and classifies a state of the thermal power plant; and a state database that correlates and registers a judgment result made by the manipulation result judgment part and a state of the thermal power plant as classified by the state classifying part. When the current state of the thermal power plant as classified by the state classifying part is a state registered in the state database, which is the state at the time when a second manipulation signal was generated that resulted in a state of deterioration in the thermal power plant performance judged by the manipulation result judgment part, the manipulation signal generator means continues to output the first manipulation signal that is now being output to the thermal power plant.

No. of Pages: 68 No. of Claims: 14

(21) Application No.2430/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: OXIDATION RESISTANT NICKEL ALLOY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B01J :12180759.8 :17/08/2012 :EPO :NA :NA : NA	Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor: 1)NAZMY, MOHAMED YOUSSEF 2)KUENZLER, ANDREAS
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)KUENZLER, ANDREAS 3)ZINN, HANSPETER 4)BANDIERA, GIUSEPPE

## (57) Abstract:

The present invention relates to an oxidation resistant Nickel alloy, characterized in the following chemical composition (in % by weight): 4-7 Cr, 4-5 Si, 0.1-0.2 Y, 0.1-0.2 Mg, 0.1-0.2 Hf, remainder Ni and unavoidable impurities. A preferred embodiment has the following chemical composition (in % by weight): 6 Cr, 4.4 Si, 0.1 Y, 0.15 Mg, 0.1 Hf, remainder Ni and unavoidable impurities. This alloy has an improved oxidation resistance, good creep properties at high temperatures and.

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

(21) Application No.2431/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MULTI-DIMENSIONAL MAXIMUM POWER POINT TRACKING

(51) International classification :G03F (31) Priority Document No :13/603 (32) Priority Date :06/09/ (33) Name of priority country :Canada (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	1)MORGAN SOLAR INC. Address of Applicant :30 ORDNANCE STREET,
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# (57) Abstract:

A photovoltaic (PV) generating system that includes a plurality of PV tracker units, each having: a PV panel with a plurality of PV generators connected to output electrical power and an actuator for positioning the PV panel. A multiple tracker control unit is in communication with the plurality of PV tracker units, the tracker control unit monitoring the output electrical power of the PV panels and controlling, in dependance on the monitored output electrical power, both: (i) power conversion of the output electrical power and (ii) the actuators of the PV tracker units, to optimize power output for the plurality of PV tracker units.

No. of Pages: 35 No. of Claims: 22

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: REDUCTION OR ELIMINATION OF TRAINING FOR ADAPTIVE FILTERS AND NEURAL NETWORKS THROUGH LOOK-UP TABLE.

(51) International algorification	11041	(71)Nome of Applicant
(51) International classification	:H04L	(71)Name of Applicant:
(31) Priority Document No	:61/694,285	1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	:29/08/2012	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868, NHQ1-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, UNITED STATES OF AMERICA. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HOMBS, BRANDON P.
(61) Patent of Addition to Application Number	:NA	2)FARKAS, JOSEPH
Filing Date	:NA	3)TRANQUILLI, JR., JOHN A.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A system and method of reducing or eliminating training for adaptive receiver and neural networks is disclosed. The adaptive filter or neural network is pre-training using simulation or empirically received data and a look-up table is created. Coefficient instantiation from the receiver for all permutations of the key parameters of training data are stored along with the key parameters within the look-up table. After creating the look-up table, the key parameters of the signal to be decoded are estimated. The coefficient of filter or neural network for the estimated key parameters is obtained by accessing the loop-up table. The demodulated signal is produced by setting the filter or neural network coefficients to coefficient values obtained from the look-up table. For slow varying key parameters, the coefficients from the lookup table are occasionally replaced instead of implementing the adaptive filter or neural network.

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

(19) INDIA

(22) Date of filing of Application :29/08/2013

(21) Application No.2547/DEL/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PREMIX BURNER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	UNION :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)GENIN, FRANKLIN MARIE  2)RIEKER, MARCEL 3)PAIKERT, BETTINA
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a premix burner for operating a heat generator, the burner at least having a swirl generator, a mixing section downstream of the swirl generator and a transition piece for transferring the swirl flow from the swirl generator into the mixing section. The invention further refers to a transition piece for such a premix burner. The transition piece (2) comprises an inlet, connected to the swirl generator (1), an outlet, connected to the mixing tube, and a continuing flow limiting interior contour (12) between said inlet and said outlet, wherein at least in an inlet section said interior contour (12) is curved radially inwards towards the inner diameter of the mixing tube and wherein at the outlet the interior contour (12) is flush with an interior flow limiting contour of the mixing tube.

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

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : MODULAR BLADE OR VANE FOR A GAS TURBINE AND GAS TURBINE WITH SUCH A BLADE OR VANE

<ul> <li>(51) International classification</li> <li>(31) 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>	:F01D :12182327.2 :30/08/2012 :EUROPEAN UNION :NA :NA	(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant: BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor: 1)BRANDL, HERBERT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date  (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a modular blade or vane for a gas turbine, which comprises the modular components of: a platform element (53) with a planar or contoured surface defining a platform level (56) and a through-opening (66) therein, and an airfoil (32), extending through the platform element (53), wherein the airfoil (32) having: a load carrying structure (33) extending along a longitudinal axis (55) of the airfoil (32), having a root portion (35) for fastening on a blade or vane carrier of the gas turbine, having a tip portion (36), and having at least one interior passage (46), extending from the root portion (35) to the tip portion (36) of the airfoil (32), an aerodynamically shaped shell (34) extending in a distance (37) over the carrying structure (33) and defining the outer contour (40) of the airfoil (32), a longitudinally extending gap (48), defined between the carrying structure (33) and the shell (34), a number of through-holes (47) in the carrying structure (33) for directing a cooling medium (49) from the interior passage (46) into the gap (48), characterized in that the shell (34) being integrally joined to said carrying structure (33) by a first joint in a region below the platform level (56) of the platform element (53); and the shell (34) being joined to the carrying structure (33) by at least one additional joint, wherein said at least one additional joint is a form-fit joint, allowing relative movement in longitudinal direction between shell (34) and carrying structure (33).

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

(21) Application No.1795/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : RADIATIVE COOLING OF OPTOELECTRONIC DEVICES USING HYPERBOLIC METAMATERIALS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/661,588 :19/06/2012 :U.S.A. :NA :NA : NA : NA	(71)Name of Applicant: 1)BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRATION INC. Address of Applicant: P.O. BOX NHQ1-719, NASHUA, NH 03061-0868, USA U.S.A. (72)Name of Inventor: 1)SMOLYANINOV, LGOR I. 2)NARIMANOV, EVGENII
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A method of radiative cooling of optoelectronic devices using a hyperbolic metamaterial TIM layer below the heat generating optoelectronics is disclosed. Optoelectronic devices are optimized for high radiative heat conductance due to broad hyperbolic frequency band in the Long-Wavelength Infrared (LWIR) range with an efficient electromagnetic black hole thermal interface between the metamaterial TIM layer and a metallic heat sink. A modified Stefan-Boltzmann law in the hyperbolic metamaterial layer enables domination of the radiative heat transfer in the TIM layer. The broadband divergence of the photonic density of states in hyperbolic metamaterials leads to an increase in radiative heat transfer, beyond the limit set by the Stefan-Boltzmann law. The resulting radiative thermal hyper-conductivity approach or even exceed heat conductivity via electrons and phonons in regular solids.

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

(21) Application No.2401/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FERRITE CIRCULATOR WITH ASYMMETRIC FEATURES

<ul> <li>(51) International classification</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>	:H01P :13/588,337 :17/08/2012 :U.S.A. :NA	Address of Applicant :101 COLUMBIA ROAD, POB 2245 MORRISTOWN, NJ 07962-2245, USA U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)ADAM M. KROENING
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A ferrite element for a circulator comprises a first segment extending in a first direction from a center portion of the ferrite element; a second segment extending in a second direction from the center portion of the ferrite element; and a third segment extending in a third direction from the center portion of the ferrite element. Each of the first segment, the second segment, and the third segment has a respective width and include a channel located at a respective distance from a center point of the ferrite element. At least one of the respective width of each segment or the respective distance from the center point for the channel in each segment is different for each respective segment such that the first segment operates over a first frequency subband, the second segment operates over a second frequency sub-band, and the third segment operates over a third frequency sub-band.

No. of Pages: 27 No. of Claims: 9

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WAVEGUIDE CIRCULATOR WITH TAPERED IMPEDANCE MATCHING COMPONENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01P :13/588,374 :17/08/2012 :U.S.A. :NA :NA :NA :NA	
(62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

Systems and methods for a waveguide circulator with tapered matching component are 3 provided. In certain embodiments, a waveguide structure comprises a plurality of waveguide arms; an internal cavity; a plurality of tapered matching components, wherein each tapered matching component in the plurality of tapered matching components has a narrow taper end that is connected to the internal cavity and a wide taper end that is connected to a waveguide arm in the plurality of waveguide arms, wherein the narrow taper end is narrower than the wide taper end; and a ferrite element having ferrite element segments disposed in the internal cavity, wherein a segment extends through the narrow taper end and the narrow taper end of the tapered matching component is narrower than the wide taper end such that a magnitude of impedance difference between each waveguide arm and the internal cavity containing the ferrite element is reduced.

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

(19) INDIA

(22) Date of filing of Application :30/08/2013

(21) Application No.2574/DEL/2013 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: ELEVATOR SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Japan :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)TOSHIBA ELEVATOR KABUSHIKI KAISHA Address of Applicant:5-27 KITASHINAGAWA 6-CHOME SHINAGAWA-KU, TOKYO 141-0001, JAPAN (72)Name of Inventor: 1)MICHIOMI ABE
Filing Date	:NA	

#### (57) Abstract:

In conventional technology, there is room for further improvements in operation in the event of a power failure, for example. [Solution] An elevator system of an embodiment includes an elevator and a control device. The control device can execute an operation by switching between a normal operation when a power supply for power is normal and a power-failure-event operation in which the elevator is operated with rated speed by electric power from a building-side power storage device when the power supply for power fails to supply power. As the power-failure-event operation, the control device switches between a power-failure-event restrictionless operation and a power-failure-event restricted operation. The power-failure-event restrictionless operation is an operation which is equivalent to the normal operation and is performed within a period before a power-failure-event minimum operable time elapses after the power supply for power fails to supply power. The power-failure-event restricted operation is performed by restricting floors where elevator is allowed to stop, after the power-failure-event minimum operable time elapses and when the residual power storage amount is equal to or larger than an operable power storage amount.

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

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : GATEWAY-MODULE FOR A COMMUNICATION SYSTEM, COMMUNICATION SYSTEM AND METHOD FOR TRANSFER OF DATA BETWEEN SUBSCRIBERS OF A 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</li> </ul>		Address of Applicant :POSTFACH 30 02 20, 70442 STUTTGART, GERMANY (72)Name of Inventor: 1)TRIESS, BURKHARD 2)SCHAFFERT, MICHAEL 3)HOGENMUELLER, THOMAS
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	4)LEUWER, HERBERT

#### (57) Abstract:

It describes a gateway-module for connecting at least two subnets. Thereby, a first subnet of the at least two subnets supports a data transmission according to a first communication protocol, in particular CAN, FlexRay, LIN, MOST or Ethernet, and a second subnet of the at least two subnets supports a data transmission according to a second communication protocol, in particular CAN, FlexRay, LIN, MOST, or Ethernet. The gateway-module comprises a configurable hardware circuit, which is adapted for processing and forwarding data from the first subnet and the second subnet under consideration of the first communication protocol and the second communication protocol.

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

(19) INDIA

(21) Application No.2511/DEL/2013 A

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 20/02/2015

# (54) Title of the invention: DISPLAY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G02F :2012- 188066 :28/08/2012 :Japan :NA :NA :NA	(71)Name of Applicant: 1)SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Address of Applicant: 398 HASE, ATSUGI-SHI, KANAGAWA-KEN 243-0036, JAPAN (72)Name of Inventor: 1)SHUNPEI YAMAZAKI 2)YOSHIHARU HIRAKATA 3)TAKESHI NISHI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A highly reliable display device is provided. Alternatively, a display device with a narrow frame is provided. The display device includes: a first substrate and a second substrate facing each other; a pixel portion including a display element, between the first substrate and the second substrate; a first sealant provided around a periphery of the pixel portion; a second sealant which is in contact with at least one of a side surface of the first substrate and a side surface of the second substrate and with which a gap between the first substrate and the second substrate is filled; and a third sealant overlapping with a side surface of the first substrate and the side surface of the second substrate with the second sealant interposed therebetween.

No. of Pages: 74 No. of Claims: 11

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: DEVICES AND METHODS FOR DIAGNOSIS OF ELECTRONIC BASED PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G05B :12290300.8 :12/09/2012 :EUROPEAN UNION :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)CREPET, GILLES
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#### (57) Abstract:

A device (110) for diagnostic of an electronic based product (150) includes a plurality of sensors (210) for monitoring parameters associated with product (150). Each sensor (210) generates at least one of an analogue signal and a digital signal upon monitoring of a parameter. The device (110) further includes a plurality of converters (215) for converting analogue signals to digital signals, a processing module (220) for determining abnormal parameter conditions based on comparing digital signals to threshold parameter values. Each abnormal parameter condition corresponding to a parameter is determined based on comparison of a digital signal associated with the parameter and a threshold parameter value corresponding to the parameter. The device (110) further includes a memory module (225) configured to store information associated with the abnormal parameter conditions, and a communication interface (240) to provide the information to external devices (160, 170) for diagnosis of the product (150).

No. of Pages: 36 No. of Claims: 18

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : PRESSURIZED OXY-COMBUSTION POWER BOILER AND POWER PLANT AND METHOD OF OPERATING THE SAME

(51) International classification :F23C (31) Priority Document No :13/605, (32) Priority Date :06/09/2 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	
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#### (57) Abstract:

A pressurized oxy-combustion circulating fluidized bed power plant having a circulating fluidized bed boiler is provided. A combustion chamber of the boiler is in fluid communication with a separator and configured so that solids produced during combustion enter the separator. The power plant further includes an air separation unit that is in fluid communication with the combustion chamber. The air separation unit is configured to supply substantially pure oxygen to the combustion chamber at a pressure greater than 1 bar. An external heat exchanger is in fluid communication with the separator and in fluid communication with the combustion chamber. The external heat exchanger is configured so that a portion of the solids received in the separator pass through the external heat exchanger and transfer heat to a working fluid, after which the solids are returned to the combustion chamber to moderate or control the temperature in the combustion chamber.

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

(21) Application No.1940/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: VALVED TIP CATHETERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A61M :13/542,173 :05/07/2012 :U.S.A. :NA :NA : NA :NA	·
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present disclosure relates to multiple embodiments of catheters which include valved openings which are normally closed to maintain a lock solution within a catheter during periods of non-use.

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

(22) Date of filing of Application :26/08/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : ON-BOARD SHUT-OFF VALVE FOR SHUTTING OFF AND OPENING A CONDUIT FEED-THROUGH THROUGH A WALL OF A SUBMARINE, WHICH IS SUBJECTED TO PRESSURE

:F16K	(71)Name of Applicant :
:10 2012 216 309.3	1)ThyssenKrupp Marine Systems GmbH Address of Applicant :Werftstae 112-114, Kiel 24143 (DE)
:13/09/2012	Germany
:Germany	(72)Name of Inventor:
:NA	1)TOOBE, Werner
:NA	2)RIEGEL, Peter
: NA	3)NITSCH, Gunnar
:NA	4)MUNDT, Marco
:NA	
:NA	
:NA	
	:10 2012 216 309.3 :13/09/2012 :Germany :NA :NA :NA :NA :NA

### (57) Abstract:

An on-board shut-off valve which is designed for shutting-off and opening a conduit feed-through (48, 76) through a wall (2, 22, 74) of a submarine which is impinged with pressure, is characterised in that it is designed as an angle ball valve (36, 36<sup>TM</sup>).

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: END CAP, ARRANGEMENT AND KIT FOR TERMINATING A TRANSMISSION 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>	:H01R :12183227.3 :05/09/2012 :EUROPEAN UNION :NA :NA : NA : NA : NA : NA	(71)Name of Applicant:  1)TYCO ELECTRONICS NEDERLAND BV Address of Applicant: RIETVELDENWEG 32, NL-5222 AR S-HERTOGENBOSCH, THE NETHERLANDS Netherlands (72)Name of Inventor: 1)ELENBAAS, JACCO
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#### (57) Abstract:

The present invention relates to an end cap (100) for terminating a transmission cable (300) containing at least one transmission line (301), the end cap (100) comprising at least one leadthrough opening (101) for guiding the at least one line (301) from a rear side (104) to a front side (105) of the end cap (100). Further, the invention relates to a terminating arrangement (1) terminating a transmission cable (300) containing at least one transmission line (301). Moreover, the invention relates to a kit for a terminating arrangement (1) for terminating a transmission cable (300). In order to facilitate the termination of a transmission cable (300), the present invention provides that a passage (102) extending from the rear side (104) to the front side (105) is formed at the end cap (100), the passage (102) being adapted for accommodating a central strength member (302) of the cable (300).

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

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MEHOD FOR REMOVING AN INNER CASING FROM A MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01C :12183648.0 :10/09/2012 :EUROPEAN UNION :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)HUBER, TOBIAS CHRISTOPH 2)FROIDEVAUX, GERARD 3)SENG, DANIEL 4)SCHWARZ, KARSTEN 5)ROZMAN, IVAN
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### (57) Abstract:

The method for removing an inner casing (5) from a machine (1) includes removing a top part (3) of the outer casing (2), removing a top part (6) of the inner casing (5), removing the bottom part (7) of the inner casing (5), before removing the bottom part (7) of the inner casing (5) connecting the bottom part (7) of the inner casing (5) to the rotor (10), such that the bottom part (7) of the inner casing (5) is supported by the rotor (10), then rotating the rotor (10) around the longitudinal axis (11) to make the bottom part (7) of the inner casing (5) accessible.

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

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ACOUSTIC DAMPER ARRANGEMENT FOR A COMBUSTOR

(31) Priority Document No :61/ (32) Priority Date :10/	NA 1)BOTHIEN, MIRKO RUBEN NA 2)JORGENSEN, STEVEN W NA 3)PENNELL, BOUGLAS ANTHONY NA NA
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## (57) Abstract:

An acoustic damper arrangement for a combustor which has an inner liner configured for use at a first temperature during operation and an outer liner configured for operation at a second temperature lower than the first temperature during operation is disclosed, the acoustic damper arrangement comprising: a plurality of flexible sheets; and at least one hollow body having an interior volume, each of said at least one hollow body being fixed to one of the plurality of flexible sheets, wherein the acoustic damper arrangement is configured to be fixed to both the inner liner and the outer liner such that the interior volume of the at least one hollow body is in communication with a chamber formed by the inner liner, and the plurality of flexible sheets accommodate expansion and contraction of the inner liner relative to the outer liner.

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

(21) Application No.2572/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SAFETY DEVICE FOR ELECTRICAL SOCKET

## (57) Abstract:

Safety device (30) for electrical sockets (1), designed to be interposed between a body (10) for containing the electrical contacts of the socket and a cover (20) having at least one pair of openings (21) for access to said phase and neutral electrical contacts of the socket, said safety system (30) comprising shutter elements (60) pushed by elastic means (61) normally to occlude said openings (21) to prevent the access to said electrical contacts and which can be moved away from said openings (21) when the pins of an electrical plug are inserted therein, but not when a foreign body is inserted in only one of said openings (21), wherein said shutters (60) are separated one in relation to the other and are placed on an oscillating body (50) able to oscillate around an axis X-X placed centrally to them when a thrust force is exerted on only one of these shutters through one of said openings (21) of the cover (20), so as to avoid any displacement of said shutters (60) from their position of occlusion of said openings (21).

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

(21) Application No.2573/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IC CARD AND IC CARD CONTROL METHOD

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA TOSHIBA
(31) Thomas Bocument No	207546	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(32) Priority Date	:20/09/2012	MINATO-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SUGIBUCHI KEI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An IC card includes a communication unit, a storage unit that stores a file, and a controller that interprets and executes a command instruction. The controller judges, when a command that instructs to select a dedicated file is input from an external apparatus, whether a certain fixed value is inserted at a predetermined position of the command, starts, when judged that the certain fixed value is inserted in a non-transaction state, transaction processing after accepting the command as a transaction start instruction simultaneous with the selection of the dedicated file, accepts, when judged that the certain fixed value is inserted during the transaction processing, the command as a commit instruction, and collectively reflects an operation performed during the transaction processing on all files managed under the dedicated file as a target.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: METHOD FOR ANALYZING BIOMOLECULES AND BIOMOLECULE ANALYZER

(51) International classification :G01N33/553,C12M1/00,C12Q1/68

(31) Priority Document No :2011221024 (32) Priority Date :05/10/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/075807

Filing Date :04/10/2012

(87) International Publication :WO 2013/051651

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

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant:

1)HITACHI HIGH TECHNOLOGIES CORPORATION

Address of Applicant :24 14 Nishi Shimbashi 1 chome Minato

ku Tokyo 1058717 Japan (72)Name of Inventor:
1)SAITO Toshiro

2)HAMASAKI Koshin 3)TAKAHASHI Satoshi 4)MAESHIMA Muneo

5)IMAI Kyoko 6)IMAI Kazumichi 7)TAO Ryuji

# (57) Abstract:

The purpose of the present invention is to provide a method for analyzing biomolecules and a means therefor whereby a wide dynamic range in counting biomolecules and a high analysis speed can be established in analyzing biomolecules. The method for analyzing biomolecules according to the present invention is characterized by comprising: a step for immobilizing a biomolecule (101) to be analyzed on the surface of a magnetic microparticle (108); a step for reacting a labeled probe molecule (104) with the biomolecule (101) to be analyzed; a step for collecting and immobilizing the microparticle (108) on a supporting base (110); and a step for measuring the label on the supporting base (110). According to the present invention biomolecules can be counted due to the use of the magnetic microparticles each of said magnetic microparticles carrying a biomolecule and the individual reactions can proceed quickly since hybridization and an antigen antibody reaction are conducted in a state where the microparticles having the biomolecules immobilized thereon are dispersed. Moreover the method according to the present invention enables the identification of the kind of the target biomolecules and the quantification of the abundance thereof at a single molecule level and in particular the evaluation of the absolute concentration of the same.

No. of Pages: 70 No. of Claims: 34

(21) Application No.2404/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SHORTCUT COMMAND BUTTON FOR A HIERARCHY TREE

(51) International classification	·G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)UNISYS CORPORATION
(32) Priority Date	:NA	Address of Applicant :C/O PATENT & TECHNOLOGY
(33) Name of priority country	:NA	LAW GROUP, MS/2NW, 801 LAKEVIEW DRIVE, SUITE 100,
(86) International Application No	:NA	BLUE BELL, PA 19422, UNITED STATES OF AMERICA
Filing Date	:NA	U.S.A.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RINU SUNIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Systems and methods are disclosed herein to a method for presenting a user interface comprising: receiving data from a host computer system describing a web-based user interface, wherein the data describing the web-based user interface includes information describing a hierarchical navigation tree and shortcut menu commands associated with each of the navigation elements; presenting the web-based user interface including the hierarchical navigation tree, the navigation elements, and shortcut buttons, wherein each shortcut button corresponds to and is adjacent to the one of the navigation elements; receiving a first selection from a user activating one of the shortcut buttons; displaying a shortcut menu comprising the shortcut menu commands associated with a navigation element corresponding to the selected shortcut button; receiving a second selection from the user; and transmitting a request to the host computer to perform a command.

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

(19) INDIA

(22) Date of filing of Application :21/08/2013

(21) Application No.2466/DEL/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: WINDING 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></ul>	:B65H :2012- 217668 :28/09/2012 :Japan	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.  Address of Applicant: 3, MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326 JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RYO SHIMIZU
(87) 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 winding device (100) includes a yarn supplying section (11) in which a yarn supplying bobbin (B) is arranged, a winding section (6) adapted to wind a spun yarn (Y) into a package (P), and a tension applying section (3) arranged in a yarn path between the yarn supplying section (11) and the winding section (6) and adapted to apply a tension on the spun yarn (Y). The tension applying section (3) includes a plurality of contact members (41, 44) adapted to apply the tension on the spun yarn (Y) by making contact with the spun yarn (Y) and bending the spun yarn (Y). The contact members (41, 44) are arranged with an interval (L) between each other, and the interval (L) between the contact members (41, 44) in a yarn path direction is 5 mm or more.

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

(21) Application No.2635/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: INTEGRATED HYDROGENATION/DEHYDROGENATION REACTOR IN A CATALYTIC REFORMING PROCESS CONFIGURATION FOR IMPROVED AROMATICS PRODUCTION

(51) International classification :C07C5/03,C07C5/367,C07C5/52 (71)Name of Applicant:

(31) Priority Document No :13/327170 (32) Priority Date :15/12/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/055267

:14/09/2012

Filing Date (87) International Publication

:WO 2013/089856

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

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

1)UOP LLC

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5017 Des Plaines Illinois 60017 5017 U.S.A.

(72)Name of Inventor:

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2) VANDEN BUSSCHE Kurt M.

3)MOSER Mark D. 4)WEGERER David A.

# (57) Abstract:

A process for reforming hydrocarbons is presented. The process involves applying process controls over the reaction temperatures to preferentially convert a portion of the hydrocarbon stream to generate an intermediate stream which will further react with reduced endothermicity. The intermediate stream is then processed at a higher temperature where a second reforming reactor is operated under substantially isothermal conditions.

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

(22) Date of filing of Application :05/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SUBCRITICAL PRESSURE HIGH-TEMPERATURE STEAM POWER PLANT AND SUBCRITICAL PRESSURE HIGH-TEMPERATURE VARIABLE PRESSURE OPERATION ONCE-THROUGH BOILER

(51) International classification	:F01K	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)HITACHI, LTD.
(31) Thomas Document No	235471	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:25/10/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	2)BABCOCK-HITACHI K.K.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NOGUCHI YOSHIKI
(87) International Publication No	: NA	2)SASAKI TOSHIHIKO
(61) Patent of Addition to Application Number	:NA	3)KOIZUMI JUN
Filing Date	:NA	4)SAITO KAZUHIKO
(62) Divisional to Application Number	:NA	5)YOSHIDA YUICHI
Filing Date	:NA	6)SHINOTSUKA NOBORU

# (57) Abstract:

A subcritical pressure high-temperature steam power plant includes a combustion boiler system, steam turbine generator system, and condensate and feedwater system and wherein the conditions of steam generated in the boiler system and supplied to the steam turbine generator system are subcritical pressure and high temperature (turbine inlet temperature of 593°C or more

No. of Pages: 36 No. of Claims: 10

(21) Application No.2636/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: INITIAL HYDROTREATING OF NAPHTHENES WITH SUBSEQUENT HIGH TEMPERATURE REFORMING

(51) International :C10G69/08,C10G63/02,C10G59/06

classification

(31) Priority Document No :13/327143 (32) Priority Date :15/12/2011 (33) Name of priority country: U.S.A.

(86) International :PCT/US2012/054986

Application No :13/09/2012 Filing Date

(87) International Publication :WO 2013/089849

(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)UOP LLC

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(72)Name of Inventor:

1)MOSER Mark D.

2) VANDEN BUSSCHE Kurt M.

3)WEGERER David A.

4)SERBAN Manuela

## (57) Abstract:

A process for the production of aromatics through the reforming of a hydrocarbon stream is presented. The process utilizes the differences in properties of components within the hydrocarbon stream to increase the energy efficiency. The differences in the reactions of different hydrocarbon components in the conversion to aromatics allows for different treatments of the different components to reduce the energy used in reforming process.

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

(21) Application No.2299/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: GUIDEWIRE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61M25/00 :13/564,784 :02/08/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)COVIDIEN LP  Address of Applicant:15 HAMPSHIRE STREET,  MANSFIELD, MASSACHUSETTS 02048, UNITED STATES  OF AMERICA U.S.A.  (72)Name of Inventor:  1)FLOK, CHRISTOPHER
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### (57) Abstract:

A guidewire for use in a medical procedure includes an elongate guide member dimensioned for insertion within a body vessel of a subject. The guide member includes an elongate body segment and a leading tip segment. The elongate body segment defines a longitudinal opening, and the leading tip segment is adapted and dimensioned to articulate relative to the elongate body segment about a single axis. A control element extends through the longitudinal opening of the elongate body segment and is longitudinally movable through manual manipulation of a clinician to cause corresponding articulating movement of the leading tip segment.

No. of Pages: 29 No. of Claims: 14

(21) Application No.2410/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NONDESTRUCTIVE EXAMINATION OF STRUCTURES HAVING EMBEDDED PARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01P :13/647,423 :09/10/2012 :U.S.A. :NA :NA : NA :NA :NA	· ·
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## (57) Abstract:

A system comprises a structure (1 10) having particles embedded at a level (1 14) within the structure (1 lo), and X-ray imaging apparatus (420) for capturing images of the particles at the level (1 14).

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

(22) Date of filing of Application :02/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CARTRIDGE FOR AT LEAST TWO FLOWABLE COMPONENTS

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J,

### (57) Abstract:

The invention relates to a cartridge for at least two flowable components. The invention starts from a cartridge (10) having at least two storage 10 containers (11, 21) into which pistons can be inserted for dispensing components. So that the pistons cannot slip out of the storage containers (11, 21) again after the insertion, peripheral beads (18, 28) are provided at inner walls (13, 23) of the storage containers (11, 21). 15 To make possible cartridges which can be manufactured inexpensively and which can nevertheless be reliably sealed, it is proposed in accordance with the invention that the first inner wall (13) has a first connection section (19) and the second inner wall (23) has a second connection section (29) in which they do not have a bead (18, 28). A 20 connection web (30) which connects the two storage containers (11, 21) is in this respect arranged between the first and second connection sections (19, 29).

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

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHOD AND DEVICE FOR SUPPRESSING INTERFERENCE IN COMMUNICATION NETWORKS USING FREQUENCY SWITCHED TRANSMIT DIVERSITY CODING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/544153 :06/10/2011 :U.S.A. :PCT/IB2012/055403 :06/10/2012 :WO 2013/050985 :NA :NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :16483 S 16483 Stockholm Sweden (72)Name of Inventor : 1)CHENG Jung Fu 2)WANG Yi Pin Eric 3)FRENNE Mattias 4)FALAHATI Sorour
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

First and second received signals (1502 1504) are received at a communication device the first and second received signals comprising respectively reference signals (1502) and data signals (1504). Estimated channel vectors (1508) are calculated from the first received signals (1502) and estimated data covariance matrices (1512) are calculated from the second received signals (1504). A plurality of combining weight vectors (1516) are determined based on the estimated channel vectors (1508) and the estimated data covariance ma¬ trices (1512). The second received signals (1504) are then combined with the plurality of combining weight vectors (1516) to obtain a plurality of combined signals (1520) wherein interference in the second received signals (1504) has been suppressed in the plurality of combined signals (1520).

No. of Pages: 80 No. of Claims: 82

(21) Application No.2641/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: BAG AND ITS USE TO PROVIDE ADMIXTURE FOR A HYDRAULIC COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		(71)Name of Applicant: 1)LAFARGE Address of Applicant:61 rue des Belles Feuilles F 75116 Paris France (72)Name of Inventor: 1)DUVEAU Vincent 2)THOUILLEUX Philippe 3)JACQUET Alain 4)VILLARD Emmanuel 5)GEORGES Sbastien
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### (57) Abstract:

The present invention relates to the use of a bag to provide an admixture for a hydraulic composition wherein a wall of the bag comprises a layer said layer comprising a water soluble polymer and wherein an admixture is present in the wall of the bag.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LOGIC CIRCUIT AND CONTROL APPARATUS USING THE SAME

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)HITACHI, LTD.
(31) Thority Document No	200065	Address of Applicant :6-6, MARUNOUCHI 1-CHOME
(32) Priority Date	:12/09/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KANEKAWA NOBUYASU
Filing Date	:NA	2)KATSUTA KEIICHI
(87) International Publication No	: NA	3)SAKATA TERUAKI
(61) Patent of Addition to Application Number	:NA	4)IKEDA NAOHIRO
Filing Date	:NA	5)KURIHARA NAOKI
(62) Divisional to Application Number	:NA	6)SHIMAMURA KOTARO
Filing Date	:NA	

### (57) Abstract:

Test pattern injecting means are synchronized not by providing a common operation clock thereto but by synchronizing them to the output timing of function blocks . By synchronizing the test pattern injecting means to the output timing of the function blocks, which has a longer cycle than the operation clock, the effect of the variation in signal delay (skew) can be reduced.

No. of Pages: 33 No. of Claims: 13

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MESSAGE CONTROLLING AND TRANSMISSION DEVICE

(51) International alogaification	:H04N	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI, LTD
(31) Thomas Document No	214951	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:27/09/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)BAI ZHITAO
Filing Date	:NA	2)WATANABE DAI
(87) 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:

Output information and a transmission channel are multiplexed in a conventional transmission controlling device. Therefore, there are problems that the device configuration is complicated, the device reliability is reduced with an increase in the device failure rate due to the complication, and the production cost of the device is increased. Provided is a message controlling and transmission device including: a controller unit having a function of creating an output message including control information used by an external device or a function of selecting an output message from a plurality of prepared messages; a message switching information unit having a function of creating message switching information which changes every message output cycle and a function of adding the created message switching information to a message; a consistency checking module that checks consistency of an output message; and an output unit that outputs an output message to outside of the device, wherein the output unit transmits the output message added with the message switching information received from the message switching information unit to the consistency checking module as a read-back message, the consistency checking module uses the output message directly received from the message switching information generation unit to check consistency of the read-back message and transmits a checking result to the output unit if the read-back message is not consistent, and the output unit fixes the output for the outside of the device to a safe side.

No. of Pages: 39 No. of Claims: 14

(22) Date of filing of Application :06/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BRASSICA OLERACEA PLANTS WITH IMPROVED NUTRITIONAL VALUE

(51) International classification (31) Priority Document No	:A01H :61/700,762	(71)Name of Applicant : 1)SEMINIS VEGETABLE SEEDS, INC.,
(32) Priority Date	:13/09/2012	
(33) Name of priority country	:U.S.A.	LOUIS, MISSOURI 63167, USA U.S.A.
(86) International Application No	:NA	2)PLANT BIOSCIENCE LIMITED
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)VAN DEN BOSCH, FRANCISCUS G.
(61) Patent of Addition to Application Number	:NA	2)KOOREVAAR, GERARD N.
Filing Date	:NA	3)MITHEN, RICHARD F.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention provides compositions and methods relating to the elevation of glucoraphanin compared to standard Brassica oleracea varieties. The invention also relates to the production of hybrid varieties having desired glucosinolate contents. The invention further provides plants, plant parts, and seeds comprising such traits and comprising a Myb28 allele from Brassica villosa that is not genetically linked to an ELONG allele from Brassica villosa.

No. of Pages: 57 No. of Claims: 29

(21) Application No.2649/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: OPTICAL WAVEGUIDE AND DISPLAY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:04/10/2012 :WO 2013/050762 :NA :NA	(71)Name of Applicant:  1)BAE SYSTEMS PLC  Address of Applicant: 6 Carlton Gardens London SW1Y 5AD  U.K.  (72)Name of Inventor:  1)MASON Stephen Paul
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An optical waveguide (30) is provided having at least first and second diffraction regions the first diffraction region being arranged to diffract image bearing light propagating along the waveguide so as to expand it in a first dimension and to turn the image bearing light towards the second diffraction region the second diffraction region being arranged to diffract the image bearing light so as to expand it in a second dimension and to release it from the waveguide as a visible image. The first diffraction region is formed by first diffraction grating (14) embedded within the waveguide arranged to present a substantially similar profile to the image bearing light when incident upon the grating from a given angle above or below the grating.

No. of Pages: 17 No. of Claims: 6

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR THE MEASUREMENT OF A RESISTANCE OF A SWITCHING CONTACT OF AN ELECTRICAL CIRCUIT BREAKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01H :12 006 040.5 :24/08/2012 :EUROPEAN UNION :NA :NA :NA :NA	Address of Applicant :OBERES RIED 1, 6833 KLAUS,
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for the measurement of a resistance of a switching contact (16) of an electrical circuit breaker (11). In this method, a first resistance value across the circuit breaker (11) is determined while the circuit breaker (11) is grounded at both sides and the switching contact (16) is closed. Further, a second resistance value across the circuit breaker (11) is determined while the circuit breaker (11) is grounded at both sides and the switching contact (16) is open. The resistance of the closed switching contact (16) is then determined based on the first resistance value and the second resistance value.

No. of Pages: 25 No. of Claims: 23

(22) Date of filing of Application :02/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ADHESIVE DISPENSING DEVICE OPTIMIZED CYCLONIC SEPARATOR 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</li> </ul>	:B04C :61/703,458 :20/09/2012 :U.S.A. :NA	Address of Applicant :28601 CLEMENS ROAD, WESTLAKE, OHIO 44145, USA U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	: NA : NA :NA	1)SING YI CHAU 2)JUSTIN CLARK 3)WILLIAM M. RIDGE
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	S)WILLIAM W. KIDGE

### (57) Abstract:

An adhesive dispensing device includes a heater unit for melting adhesive material, a receiving space for feeding the heater unit, and a cyclonic separator unit for delivering adhesive pellets to the receiving space. The cyclonic separator unit includes a tangential inlet pipe proximate to a top end of a generally cylindrical pipe, which is connected to the receiving space at an open bottom end. The tangential or spiral flow of air and adhesive pellets generated through the cyclonic separator unit reduces the speed of the air and adhesive pellets to avoid splashing of molten adhesive material while maintaining enough speed to avoid adhesive build up on the generally cylindrical pipe.

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

(22) Date of filing of Application :02/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ADHESIVE DISPENSING DEVICE HAVING OPTIMIZED RESERVOIR AND CAPACITIVE LEVEL SENSRO

(-1)		
(51) International classification	:G01F	(71)Name of Applicant:
(31) Priority Document No	:61/703,454	1)NORDSON CORPORATION
(32) Priority Date	:20/09/2012	Address of Applicant :28601 CLEMENS ROAD,
(33) Name of priority country	:U.S.A.	WESTLAKE, OHIO 44145, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JUSTIN A. CLARK
(87) International Publication No	: NA	2)STEVEN CLARK
(61) Patent of Addition to Application Number	:NA	3)PETER W. ESTELLE
Filing Date	:NA	4)JEFFERY E. OWEN
(62) Divisional to Application Number	:NA	5)ROBERT J. WOODLIEF
Filing Date	:NA	

#### (57) Abstract:

An adhesive dispensing device includes a heater unit for melting adhesive, a fill system communicating with a receiving space for feeding the heater unit, and a reservoir for receiving melted adhesive from the heater unit. The dispensing device also includes a capacitive level sensor located along a sidewall of the receiving space such that the level of adhesive in the receiving space can be detected by sensing the difference in dielectric capacitance where the adhesive is located compared to where air acts as the dielectric. The size of the driven electrode produces a broader sensing window capable of generating multiple control signals corresponding to different fill levels of adhesive. The receiving space and reservoir are minimized in size so that adhesive is not held at elevated temperatures long enough to char or degrade.

No. of Pages: 71 No. of Claims: 58

(21) Application No.2644/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: GRAFT DENDRITE COPOLYMERS AND METHODS FOR PRODUCING THE SAME

(51) International classification :A61K8/91,C02F1/56,C08F251/00		(71)Name of Applicant:	
(31) Priority Document No	:61/555731	1)AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	
(32) Priority Date	:04/11/2011	Address of Applicant :Stationsstraat 77 NL 3811 MH	
(33) Name of priority country	:U.S.A.	Amersfoort Netherlands	
(86) International Application	:PCT/EP2012/071742	(72)Name of Inventor:	
No	:02/11/2012	1)RODRIGUES Klin Aloysius	
Filing Date	.02/11/2012		
(87) International Publication	:WO 2013/064648		
No	6 2013/00 10 10		
(61) Patent of Addition to	:NA		
Application Number	:NA		
Filing Date	.1771		
(62) Divisional to Application	:NA		
Number	:NA		
Piline Dete	:NA		

# (57) Abstract:

Filing Date

Graft dendrite copolymers derived from at least one ethylenically unsaturated first monomer at least one second ethylenically unsaturated second monomer and a natural hydroxyl containing component as an end group. The at least one first and second ethylenically unsaturated monomers are on separate side chains of the natural hydroxyl containing component. Methods of preparing a graft dendrite copolymer are also included.

No. of Pages: 45 No. of Claims: 16

(19) INDIA

(43) Publication Date: 20/02/2015

(21) Application No.2645/DEL/2013 A

(22) Date of filing of Application: 06/09/2013

(54) Title of the invention : TAPE DETECTOR

<ul> <li>(51) International classification</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>	:H01L, B32B :12 186 151.2 :26/09/2012 :EPO :NA	(71)Name of Applicant: 1)MEI, INC. Address of Applicant: 3222 PHOENIXVILLE PIKE, SUITE 200, MALVERN, PA 19355, U.S.A. U.S.A. (72)Name of Inventor: 1)VOSER CHRISTIAN 2)MENOT SEBASTIEN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

### (57) Abstract:

A device and a system for detecting a tape or a piece of glue on a document and methods for detecting a tape or a piece of glue on a document are described. The device comprises at least one light source, at least one light receiver and at least one light barrier. The at least one light source is arranged on a first side of the at least one light barrier and the at least one light receiver is arranged on a second 10 side of the at least one light barrier opposite to the first side. The light barrier is configured to come into contact with a document to prevent or reduce light emitted from the light source on the first side of the light barrier to be transmitted to the light receiver on the second side of the light barrier. 15

No. of Pages: 49 No. of Claims: 18

(21) Application No.2414/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RIVASTIGMINE AND QUERCETIN CONJUGATE FORM FOR TREATMENT OF ALZHEIMER'S DISEASE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61K :NA :NA	(71)Name of Applicant:  1)AMITY UNIVERSITY  Address of Applicant: AMITY UNIVERSITY CAMPUS
(33) Name of priority country		UTTAR PRADESH SECTOR 125, NOIDA 201303, INDIA
(86) International Application No	:NA	Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DEEPSHIKHA PANDE KATARE
(61) Patent of Addition to Application Number	:NA	2)KUMUD BALA
Filing Date	:NA	3)PUNEET KACKER
(62) Divisional to Application Number	:NA	4)RUCHI JAKHMOLA
Filing Date	:NA	

#### (57) Abstract:

Rivastigmine and Quercetin conjugate form for treatment of Alzheimers disease The present invention relates to the novel drug delivery system using rivastigmine-quercetin conjugates for the treatment of Alzheimers disease. The present invention also relates to the development of a conjugate by a linker that requires the rivastigmine-quercetin conjugate to act as a delivery vector and active drug or, that the linker is cleaved once inside the cell, thus releasing the active drugs. The novel conjugate prepared by click chemistry, which proves to be more effective in treating Alzheimers and is prepared with a formulation which can control bioavailability of Qe drug, increases the potency of the treatment.

No. of Pages: 24 No. of Claims: 5

(21) Application No.2647/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COKE DRUM ADDITIVE INJECTION

<ul> <li>(51) International classification</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>	:C10G :61/704,020 :21/09/2012 :U.S.A. :NA	
Filing Date	:NA	1)FAEGH, AHMAD
(87) 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 process for producing coke that may include: heating a coker feedstock to a coking temperature to produce a heated coker feedstock; feeding the heated coker feedstock to a coking drum; feeding a coking additive, such as at least one hydroconversion or hydrocracking catalyst, to the coking drum; and subjecting the heated coker feedstock to thermal cracking in the coking drum to crack a portion of the quenched feedstock to produce a cracked vapor product K and produce a coke product.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TIRE WITH TREAD HAVING IMPROVED SNOW AND DRY TRACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B60C11/12 :PCT/US2011/053980 :29/09/2011 :U.S.A. :PCT/US2012/053773 :05/09/2012 :WO 2013/048682 :NA :NA :NA	Address of Applicant :Route Louis Braille 10 CH 1763 Granges paccot Switzerland
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#### (57) Abstract:

This invention relates generally to tires having treads that have a configuration and/or properties for providing suitable snow and dry traction and more specifically to a tire that has a tread that has a maximum value for sipe density in the contact patch a minimum value for lateral groove density in the contact patch and a minimum value for the longitudinal contact surface ratio. In certain embodiments the pitch length of pitches or repeating units of tread geometry along the circumferential direction of the tire is within a certain range and the tread depth is below a specified value. Tires with treads having a configuration that falls within these design parameters exhibit a desirably good level of snow and dry traction.

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

(22) Date of filing of Application :06/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: GENETIC MARKERS FOR MYB28

<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>	:C12Q :61/700,731 :13/09/2012 :U.S.A.	· · · · · · · · · · · · · · · · · · ·
(86) International Application No Filing Date	:NA :NA	U.S.A. 2)PLANT BIOSCIENCE LIMITED
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	(72)Name of Inventor: 1)MITHEN, RICHARD F. 2)TRAKA, MARIA
(62) Divisional to Application Number Filing Date	:NA :NA	3)BRUGMANS, BART W.

## (57) Abstract:

The present invention relates to a method for determining the genotype of a Cruciferous vegetable plant for a plant with an increased glucosinolate level, comprising obtaining a sample of nucleic acids from said plant or a portion thereof and detecting in said nucleic acids a polymorphism at the Myb28 locus that is genetically linked to an increased glucosinolate level. The polymorphism may comprises at least one of: a) a single nucleotide polymorphism (SNP) at a position corresponding to nucleotide 83, 136, 226, 563,610,830,995, 1116, 1513, 1577, 1606, 1620, 1825, 1863, 1877 or 2026 of SEQ ID NO: 1, or b) a polymorphism in the number of nucleotides present between nucleotides 323 and 332, between nucleotides 521 and 524, between nucleotides 783 and 786, between nucleotides and 909 and 914, between nucleotides 1365 and 1369, between 1811 and 1821, or between nucleotides 2046 and 2056 of SEQ ID NO: 1, or c) a polymorphism in the number of nucleotides present between nucleotides 836 and 837, between nucleotides 867 and 868, or between nucleotides 943 and 944 of SEQ ID NO: 1.

No. of Pages: 74 No. of Claims: 47

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COMBINED FMCW AND FM PULSE-COMPRESSION RADAR SYSTEMS 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> </ul>	:G01S :61/698903 :10/09/2012 :U.S.A. :NA :NA	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC.  Address of Applicant:101 COLUMBIA ROAD, POB 2245,  MORRISTOWN, NJ 07962-2245, UNITED STATES OF  AMERICA U.S.A.  (72)Name of Inventor:  1)DAVID C. VACANTI
<ul> <li>(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	I)DAVID C. VACANTI

## (57) Abstract:

Systems and methods for providing an efficient radar system that can operate at both near and far ranges. An exemplary radar system includes a controller that generates a clock signal and a mode signal, a transmitter with a synthesizer, and a dual-mode transmitter. The synthesizer and the transmitter generate a signal in a first or a second mode (frequency ranges) based on the clock or mode signals. An antenna transmits the generated signal and receives a return signal based on the transmitted signal. A receiver processes the received return signal according to the first or second mode, based on the generated at least one clock signal or mode signal. A processor determines existence of a target included in the processed return signal. An output device (such as a display device) outputs a presentation based on the determination. The system operates in FMCW or pulse modes.

No. of Pages: 30 No. of Claims: 9

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS

(51) International classification (31) Priority Document No	:B60C1/00,B60C9/20 :1159244	(71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:13/10/2011	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 Cours Sablon F 63000 Clermont
(86) International Application No	:PCT/EP2012/070241	Ferrand France
Filing Date	:12/10/2012	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2013/053880	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)DOMINGO Alain
Number	:NA	2)BESSON Jacques
Filing Date	.IVA	3)BARBARIN Fran§ois
(62) Divisional to Application Number	:NA	4)SALLAZ Gilles
Filing Date	:NA	5)RADULESCU Robert Ciprian

### (57) Abstract:

The invention relates to a tyre comprising a crown reinforcement formed of at least two working crown layers each formed of reinforcing elements inserted between two calendering layers of rubber compound crossed from one layer to the other making angles of between 10° and 45° with the circumferential direction and the crown reinforcement comprising at least one layer of circumferential reinforcing elements. According to the invention the elastic modulus under 10% tensile strain of at least one calendering layer of at least one working crown layer is less than 8.5 MPa and the maximum value of tan(d) denoted tan(d) max of said at least one calendering layer of at least one working crown layer is less than 0.100.

No. of Pages: 31 No. of Claims: 12

(21) Application No.2654/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: ATTACHMENT PATCH FOR MOUNTING VARIOUS DEVICES

(51) International :B60C23/02,B60C23/04,G01L17/00 classification

(31) Priority Document No :13/251311 (32) Priority Date :03/10/2011

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

(86) International Application :PCT/US2012/053259

:31/08/2012 Filing Date

(87) International Publication: WO 2013/052220

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)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC Address of Applicant: 535 Marriott Drive Nashville Tennessee

37214 U.S.A.

(72)Name of Inventor:

1)WILSON Paul B.

2) RENSEL John D.

### (57) Abstract:

A tire monitor assembly includes a rubber ply having a first side affixable to an interior surface of a tire. A pedestal extends from a second side of the rubber ply wherein the pedestal has a top surface and at least one sidewall. The pedestal has a groove disposed in the at least one sidewall that extends along a perimeter of the pedestal wherein the pedestal has a cavity disposed in the top surface extending towards the rubber ply. The assembly further includes a tire monitoring device and a fastener connected to the tire monitoring device and further connected to the pedestal such that the fastener is disposed in at least one of the cavity and the groove.

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

(21) Application No.2655/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :09/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BOOSTER AIR HEATER FOR HIGH MOISTURE FUELS

<ul> <li>(51) International classification</li> <li>(31) 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>	:F23L, F23K :61/699,484 :11/09/2012 :U.S.A. :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLNAD (72)Name of Inventor:  1)DARLING, SCOTT L 2)SADLON, EDWARD S.
<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	ZJOADLON, EDWARD S.

### (57) Abstract:

A system and method for drying pulverized high moisture fuel for use in a selective catalytic reduction system equipped combustion system is provided. The combustion system includes a mill for pulverizing fuel, an air heater, a booster air heater and a fuel duct for feeding dried pulverized fuel to a combustion furnace.

No. of Pages: 24 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :03/04/2014

(21) Application No.2655/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: R WAVE DETECTION 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>	:07/09/2012 :WO 2013/036837 :NA	(71)Name of Applicant:  1)APN HEALTH LLC  Address of Applicant: W305 N2963 Red Oak Court Pewaukeee Wisconsin 53072 U.S.A. (72)Name of Inventor:  1)BRODNICK Donald 2)JANSSON David G.
· /	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for detecting an R wave from an ECG signal (x(t)) derived from a living body the method comprising the steps of (a) acquiring the ECG signal from the living body (b) digitizing the ECG signal into a digital ECG signal (x(ti)) (c) filtering the digital ECG signal with a bandpass filter (53) and applying an absolute value filter (55) thereto to create a filtered ECG signal (g(ti)) (d) for each sequential value of the filtered ECG signal comparing (57) the filtered ECG signal to an ECG tracking threshold (TT) (e) if the filtered ECG signal is no greater than TT incrementing a counter (59) but if greater than TT setting the counter to zero; and (f) comparing (63) the counter to a predetermined refractory count RC and if the count is equal to RC outputting an R wave trigger indicating that an R wave has been detected.

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

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: POSITION POINTER AND ELECTRONIC INK CARTRIDGE

(51) International classification	:G01D	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)WACOM CO., LTD.
(31) I Hority Document No	212777	Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI,
(32) Priority Date	:26/09/2012	SAITAMA 349-1148, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASAYUKI OBATA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An electronic ink cartridge is provided, which improves the mass productivity of a position pointer and which ensures reliability of a characteristic of a pressure sensor to detect writing pressure. The electronic ink cartridge includes a core member provided so as to extend outwardly from a distal end portion of a tubular member in a direction of a center axis of the tubular member, a pressure sensor accommodated in a hollow portion of the tubular member to sense pressure applied to the core member, a connection member provided fixedly on the tubular member to interpose the pressure sensor between the connection member and the core member along the direction of the center axis of the tubular member, and a connection terminal, which is formed on a proximal end face of the connection member and from which an electric characteristic corresponding to the pressure sensed by the pressure sensor is extracted.

No. of Pages: 103 No. of Claims: 28

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : A COMPOUND, TRANSITMYCIN, EFFECTIVE AGAINST BACTERIAL AND VIRAL PATHOGENS

		(71)Name of Applicant:
(51) International classification	:C12Q	1)INDIAN COUNCIL OF MEDICAL RESEARCH
(31) Priority Document No	:NA	Address of Applicant : V. RAMALINGASWAMI BHAWAN,
(32) Priority Date	:NA	Ansari Nagar, New Delhi 110 029, India, Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)KUMAR, Vanaja
Filing Date	:NA	2)DOBLE, Mukesh
(87) International Publication No	: NA	3)RAMASAMY, Balagurunathan
(61) Patent of Addition to Application Number	:NA	4)GANESAN, Suresh
Filing Date	:NA	5)MANIKKAM, Radhakrishnan
(62) Divisional to Application Number	:NA	6)HANNA, Luke, Elizabeth
Filing Date	:NA	7)SWAMINATHAN, Sowmya
		8)NAGAMIAH, Selvakumar

# (57) Abstract:

This invention relates to a compound represented by formula (I) (Transitmycin) wherein the compound is effective against bacterial and viral pathogens.

No. of Pages: 66 No. of Claims: 19

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DRIVE TRAIN OF A MOTOR VEHICLE HAVING AN INTERNAL COMBUSTION ENGINE AND A STARTER GENERATOR

(51) International classification (31) Priority Document No	:F02N :102012111034.4	
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:16/11/2012 :Germany	Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)WOLFGANG BENZ
(87) International Publication No	: NA	2)STEPHAN MULLER
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a drive train (1) of a motor vehicle, having an internal combustion engine (2) which has a crankshaft (6), with a transmission (3) which is connected downstream for driving at least one axle (5) of the motor vehicle, and having a starter generator (9) which is assigned to the internal combustion engine (2). In a drive train of this type, it is provided that the starter generator (9) is attached to the crankshaft (6) of the internal combustion engine (2) via a spur gear mechanism (10), a first drive train (11) of,the spur gear mechanism (10) having a switchable clutch (12), and a second drive train (13) of the spur gear mechanism (10) having a switchable clutch or a freewheel (14) which is active during the starter mode of the starter generator (9). In a drive train of this type, the components for transmitting the torque of the starter generator require only little space and, during starting, the crankshaft of the internal combustion engine is decoupled from tensile forces and weights which would be observed when a belt drive is used.

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

(19) INDIA

(22) Date of filing of Application :03/04/2014

(21) Application No.2663/DELNP/2014 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: WATER PUMP

(51) International classification:F04D29/70,F0(31) Priority Document No:2011198680(32) Priority Date:12/09/2011(33) Name of priority country:Japan

(86) International Application No :PCT/JP2012/069576
Filing Date :01/08/2012

(87) International Publication No :WO 2013/038828

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

:F04D29/70,F04D29/12 (71)Name of Applicant :

1)AISIN SEIKI KABUSHIKI KAISHA

Address of Applicant :1 Asahi machi 2 chome Kariya shi

Aichi 4488650 Japan (72)Name of Inventor:
1)YAMAMOTO Junya

#### (57) Abstract:

A water pump that minimizes defects in which cooling water flows externally is provided. The water pump is provided with a rotating shaft supported by a body via a bearing an impeller that is disposed at one end of the rotating shaft and a seal member that is disposed between the impeller and the bearing. A drain passage that sandwiches the seal member and communicates with a space formed on the opposite side of the impeller is formed in the body and a reservoir is formed downstream from the drain passage. A drain hole is disposed in a position above walls that form the reservoir and a water absorbing planar member is positioned in the reservoir.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LITHIUM ION CAPACITOR POWER STORAGE DEVICE POWER STORAGE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:03/10/2012 :WO 2013/054710 :NA	(71)Name of Applicant:  1)SUMITOMO ELECTRIC INDUSTRIESLTD.  Address of Applicant: 5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan (72)Name of Inventor:  1)OKUNO Kazuki 2)GOTO Kengo 3)KIMURA Koutarou 4)OTA Hajime
(61) Patent of Addition to Application	:NA :NA :NA :NA	,

#### (57) Abstract:

By producing a positive electrode with a capacity of a magnitude commensurate with that of the negative electrode capacity a lithium ion capacitor which has increased capacity can be provided. This lithium ion capacitor is provided with: a positive electrode having a positive electrode current collector and a positive electrode active substance mainly composed of active carbon; a negative electrode having a negative electrode current collector and a negative electrode active substance that can occlude and desorb lithium ions; and a non aqueous electrolyte containing a lithium salt. The positive electrode current collector is an aluminum porous body with a three dimensional structure the positive electrode active substance is filled in the positive electrode current collector and the negative electrode current collector is a metal foil or a metal porous body.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SOURCE CODE SIMILARITY EVALUATION METHOD AND SOURCE CODE SIMILARITY EVALUATION APPARATUS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2012- 204545	1)HITACHI, LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:18/09/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOSHIMURA KENTARO
Filing Date	:NA	2)HASHIMOTO YASUNORI
(87) International Publication No	: NA	3)MIBE RYOTA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A source code similarity evaluation apparatus (10) comprises a development result products analysis unit (21) which extracts a source code list composing the software; a correspondence analysis unit (22) which compares the comparison source code list (44a) and the comparison destination source code list (44b) to analyze correspondence of both; a comparison object specifying unit (23) which specifies a comparison object of a comparison destination source code (41b) of comparison source contained in the comparison source code list (44a), from the comparison destination source code list (44b), based on the correspondence; a similarity calculation unit (24) which determines the similarity between the comparison source code (41a) and the source code (41) specified by the comparison object specifying unit (23); and an output unit (15) which outputs the combination of comparison source code (41a) and similarity.

No. of Pages: 44 No. of Claims: 11

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SWITCHING FERRITE CIRCULATOR WITH AN ELECTRONICALLY SELECTABLE OPERATING FREQUENCY BAND

<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>	:H01P :13/588,314 :17/08/2012 :U.S.A.	
(86) International Application No	:NA	STATES OF AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ADAM M. KROENING
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A ferrite element for a switchable circulator comprises a first segment extending in a first direction from a center portion of the ferrite element; a second segment extending in a second direction from the center portion of the ferrite element; and a third segment extending in a third direction from the center portion of the ferrite element. Each of the first segment, the second segment, and the third segment include a first channel located at a first distance from a center point of the ferrite element. The first distance defines a first resonant section of the ferrite element. Each of the first segment, the second segment, and the third segment also include a second channel located at a second distance from the center point. The second distance defines a second resonant section of the ferrite element.

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

(19) INDIA

(22) Date of filing of Application: 12/08/2013

(21) Application No.2389/DEL/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: FIFTH WHEEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B62D 53/00 :10 2012 214 413.7 :14/08/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)JOST-WERKE GMBH  Address of Applicant:SIEMENSSTRASSE 2, 63263 NEU-LSENBURG, GERMANY (72)Name of Inventor:  1)ACHIM STRUTT
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#### (57) Abstract:

A fifth wheel coupling is described with a pull handle (32), having a pull lever (40) and a safety lever (50). The pull handle (32) can move in a travel space 5 (82) of a guide mechanism (80) of the fifth wheel coupling plate (2) into a closed position and a release position. Means are provided for blocking the pull handle (32), consisting of a safety mechanism (60) with a movably disposed blocking element (62). The safety mechanism (60) is arranged on the fifth wheel coupling plate (2). The pull handle (32) has means for manipulation of the safety mechan- 10 ism (60).

No. of Pages: 34 No. of Claims: 17

(21) Application No.2671/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FUEL CELL ASSEMBLY AND METHOD OF CONTROL

(51) International classification	:H01M8/04,H01M8/10,G01R31/36	(71)Name of Applicant: 1)UNITED TECHNOLOGIES CORPORATION
(31) Priority Document No	:NA	Address of Applicant :One Financial Plaza Hartford CT 06101
(32) Priority Date	:NA	U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No Filing Date	:PCT/US2011/064051 :09/12/2011	1)ONEILL Jonathan Daniel 2)PATTERSON Timothy W.
(87) International Publication No	:WO 2013/085530	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An exemplary method includes of operating a fuel cell at a first power output level that includes a plurality of operation parameters. Each operation parameter has a value to satisfy a first power demand. A change between the first power demand and a second power demand is determined. At least a first one of the operation parameters is maintained at a value corresponding to the first power output level or at an intermediate value while at least a second one of the operation parameters is changed to a value corresponding to a second power output level to satisfy the second power demand. The first operation parameter is delayed from changing to a value corresponding to the second power output level until a predetermined criterion is met.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS

(51) International classification :B60C1/00,B60C9/18,B60C9/20 (71)Name of Applicant :
(31) Priority Document No :1159241 1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date :13/10/2011 MICHELIN
(33) Name of priority country :France Address of Applicant :12 Cours Sablon F 63000 Clermont

(86) International Application No :PCT/EP2012/070237 ferrand France

Filing Date :12/10/2012 **2)MICHELIN RECHERCHE ET TECHNIQUE S.A.** (87) International Publication No :WO 2013/053877 (72)**Name of Inventor :** 

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

NA

:NA
:NA
2)BESSON Jacques
3)BARBARIN Fran§ois
4)SALLAZ Gilles

Number
Filing Date

Sina (62) Divisional to Application
Sina (82) Divisional to Application
Sina (98) SALLAZ Gilles
Sina (98) SALLAZ Gilles
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#### (57) Abstract:

The invention relates to a tyre comprising a crown reinforcement formed of at least two working crown layers having unequal axial widths a layer C of rubber compound being positioned between at least the ends of said at least two working crown layers and the crown reinforcement comprising at least one layer of circumferential reinforcing elements positioned radially between two working crown layers. According to the invention the distance d between the end of the axially narrowest working layer and the working layer separated from the axially narrowest working layer by the layer C of rubber compound is such that 1.1, < d < 2.2, being the diameter of the reinforcing elements of said at least one layer of circumferential reinforcing elements and in a meridian plane the thickness of the layer C of rubber compound is substantially constant.

No. of Pages: 42 No. of Claims: 17

(21) Application No.2661/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: NEUROSURGICAL APPARATUS

(51) International classification :A61M27/00,A61M39/02 (71)Name of Applicant : (31) Priority Document No :1117061.0 (32) Priority Date :04/10/2011

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

(86) International Application No :PCT/EP2012/004150

:NA

Filing Date :04/10/2012 (87) International Publication No :WO 2013/050148

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

1)RENISHAW (IRELAND) LIMITED

Address of Applicant : Swords Business Park Swords Ireland

(72)Name of Inventor:

1)GILL Steven Streatfield

#### (57) Abstract:

Filing Date

A cerebral catheter device (22) for draining fluid from the brain of a patient is described. The device (22) may be used as part of a ventricular shunt system. The device (22) includes an elongate tube (24) for insertion into the brain of a patient to a vicinity of a desired target. A head (26) is attached to the elongate tube (24) that has a passageway (30) in fluid communication with a lumen of the elongate tube. Formations are provided on the external surface of the head (26) for securing the head in a hole formed in the skull of a patient. The head further comprises a first fluid connector portion (32) that is attachable to an associated drainage catheter device (34). This allows fluid communication to be established between the lumen of the elongate tube (24) and a drainage catheter device (34) via the passageway (30) of the head.

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

(22) Date of filing of Application :09/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PEDAL ASSEMBLY OF VEHICLE

(51) International classification	:G05G :10-2013-	(71)Name of Applicant: 1)Kyung Chang Industrial Co., Ltd.
(31) Priority Document No	0092331	Address of Applicant :104 Gukchaebosang-ro, Seo-gu, Daegu,
(32) Priority Date	:05/08/2013	Republic of Korea. Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor : 1)BYUN, Sungil
(86) International Application No	:NA	2)JEON, Dongjin
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 pedal assembly for a vehicle according to the present invention including: a housing; a pedal part rotatably coupled to the housing; a movable member having an inclined surface formed on one side thereof and slidably moving with respect to the housing; a connection member moving in cooperative operation with the rotation of the pedal part; a friction member connected to the connection member and slidably moving along the inclined surface of the movable member in the state of being brought into contact with the inclined surface; and an elastic member located between the other side of the movable member and the housing.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ADSORBENT METHOD FOR PRODUCING SAME ADSORBENT FOR WATER PURIFICATION MASK AND ADSORPTIVE SHEET

(51) International classification: B01J20/22,A62B18/02,B01J20/10 (71) Name of Applicant: (31) Priority Document No 1)SONY CORPORATION :2011224481 (32) Priority Date Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 :12/10/2011 (33) Name of priority country :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/075511 1)YAMANOI Shun :02/10/2012 Filing Date 2)IIDA Hironori (87) International Publication 3)TABATA Seiichiro :WO 2013/054697 No 4)MINATOYA Machiko (61) Patent of Addition to 5)YAMADA Shinichiro :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

This adsorbent is composed of silica that uses as a starting material a plant derived material containing silicon and a silane coupling agent that modifies the surface of the silica. The specific surface area of the silica as determined by a nitrogen BET method is 10 m/g or more and the pore volume of the silica as determined by a BJH method is 0.1 cm/g or more preferably 0.2 cm/g or more. Alternatively the specific surface area of the silica as determined by a nitrogen BET method is 10 m/g or more the total volume of pores having pore diameters within the range from 1 nm to 25 nm is 0.1 cm/g or more in the pore size distribution of the silica as obtained by non localized density functional theory and the ratio of the total volume of pores having pore diameters within the range from 5 nm to 25 nm in the total volume of pores having pore diameters within the range from 1 nm to 25 nm is 0.2 or more.

No. of Pages: 30 No. of Claims: 9

(21) Application No.2556/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR RECYCLING LABELED PLASTIC ARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B65C :102012215752.2 :05/09/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)KRONES AG Address of Applicant:BOHMERWALDSTRASSE 5 93073 NEUTRAUBLING GERMANY (72)Name of Inventor: 1)THOMAS FRIEDLAENDER R
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## (57) Abstract:

A method and a device for recycling labeled plastic articles are described. Accordingly, the labels are detached from the plastic articles and the plastic articles treated in this way are sorted in particular automatically. During sorting, plastic articles from which the labels have not been properly detached are sorted out and again subjected to the treatment for detaching the labels.

No. of Pages: 17 No. of Claims: 14

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RECORDING DEVICE AND CONTROL METHOD OF THE RECORDING DEVICE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)SEIKO EPSON CORPORATION
(31) I Hority Document No	189077	Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME,
(32) Priority Date	:29/08/2012	SHINJUKU-KU, TOKYO 163 - 0811, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIOHARA, SUSUMU
Filing Date	:NA	2)YAMAJI, TOSHIFUMI
(87) 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 recording device includes a recording unit that performs a recording operation, a first storage unit that stores a first template associated with a recording form, a second storage unit that store a second template corresponding to the first template, and a recording control unit that takes 10 the second template corresponding to the designated first template from the second storage unit and gets the recording unit to perform the recording operation by using the second template when a recording instruction containing data designating the first template is input.

No. of Pages: 84 No. of Claims: 20

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: AUTOMATED FRAME OF REFERENCE CALIBRATION FOR 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G06T :13/665,837 :31/10/2012 :U.S.A. :NA :NA : NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

One or more systems, methods, routines and/or techniques for automated frame of reference calibration for augmented reality (100) are described. One or more systems, methods, routines and/or techniques may allow for calibration of an Augmented Reality (AR) system (100), for example, by automatically calibrating the frames of reference of virtual objects and/or a camera (102). One example calibration routine and/or technique may determine and/or calculate a mapping or transform from a frame of reference of a virtual object (112) (e.g., a CAD model) to a coordinate frame (204) associated with the tracking system (108). Another example calibration routine and/or technique may determine and/or calculate a mapping or transform from a camera (102) lens frame of reference to a frame of reference of the whole camera (102) as determined by a tracking system (108). These routines and/or techniques may calibrate an AR system (100) to provide rapid, precise alignment between virtual content and a live camera (102) view of a real scene.

No. of Pages: 54 No. of Claims: 12

(22) Date of filing of Application :10/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF PERFORMING DYNAMIC VOLTAGE AND FREQUENCY SCALING OPERATION, APPLICATION PROCESSOR PERFORMING METHOD, AND MOBILE DEVICE COMPRISING APPLICATION PROCESSOR

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date :10 :R :R :R :R :N	JA 3)JEON, SANG-JUNG A)CHOI, JIN-SUB JA JA JA
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# (57) Abstract:

A method of performing a dynamic voltage and frequency scaling operation comprises controlling a clock management unit (CMU) to predict an operating state of a central processing unit (CPU) and to provide operating frequency information to a power management integrated circuit (PMIC) based on the predicted operating state of the CPU, the operating frequency information indicating a change of an operating frequency of an application processor, and controlling the PMIC to change an operating voltage of the application processor based on the operating frequency information provided from the clock management unit.

No. of Pages: 69 No. of Claims: 30

(21) Application No.2670/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: SPINNING MACHINE TAKE UP DEVICE AND TEXTILE MACHINE

(51) International classification :D01H13/14,D01H5/38,D01H13/32

:WO 2013/042427

(31) Priority Document No :2011207717 (32) Priority Date :22/09/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/067088

No : No

Filing Date :04/07/2012

(87) International Publication

No (61) Patent of Addition to NA

Application Number :NA :NA

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

(71)Name of Applicant:

1)MURATA MACHINERY LTD.

Address of Applicant :3 Minami Ochiai cho Kisshoin Minami

ku Kyoto shi Kyoto 6018326 Japan

(72)Name of Inventor: 1)IKKAI Tomoyuki

#### (57) Abstract:

Provided are a spinning machine take up device and textile machine in which periodic abnormalities in rotating bodies can be detected and the detection precision improved. The constitution is such that either or both of torque and rotational speed for a motor that drives a rotating body for drafts or take up is monitored and on the basis of the results of this monitoring the presence or absence of periodic abnormalities in this rotating body is determined. For example when a fiber bundle moving with the rotation of the rotating body has an abnormality such as the thickness varying periodically the load torque operating in the motor varies or the rotational speed of the motor varies. Therefore by monitoring either or both of the motor torque and rotational speed the presence or absence of a periodic abnormality in the rotating body can be determined and a periodic abnormality in a fiber bundle drafted or taken up using the rotating body can be detected.

No. of Pages: 46 No. of Claims: 12

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RESIDUAL PRESSURE CONTROL IN A COMPRESSION DEVICE

(51) International classification :A61H (31) Priority Document No :13/629,92 (32) Priority Date :28/09/201 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA Filing Date :NA	
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#### (57) Abstract:

A method of controlling a compression device controls a vent phase of a compression device having an inflatable bladder capable of being pressurized for applying compression to a part of a subjects body. The method includes delivering pressurized fluid from a source of pressurized fluid to a first inflatable bladder disposed about a portion of the subjects body and venting the pressurized fluid from the first inflatable bladder by opening a first valve. The method further includes monitoring fluid pressure in the first inflatable bladder during the venting of the first inflatable bladder. Based at least in part on the monitored fluid pressure, the first valve is selectively closed and selectively reopened to control fluid pressure in the first inflatable bladder to remain within a desired residual pressure range.

No. of Pages: 31 No. of Claims: 13

(21) Application No.2609/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COMPRESSION DEVICE PUMPING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A41D :13/630,829 :28/09/2012	
(33) Name of priority country	:U.S.A.	MANSFIELD, MASSACHUSETTS 02048, UNITED STATES
(86) International Application No	:NA	OF AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DESHPANDE, MANISH
(61) Patent of Addition to Application Number	:NA	2)MALHI, ARNAZ
Filing Date	:NA	3)HOTTON, DANIEL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A compression device includes a compression garment positionable on the limb of the wearer and having an inflatable bladder for providing compression treatment to the limb. A pump assembly is supported by the compression garment. The pump assembly is in fluid communication with the bladder for pressurized fluid delivery. The pump assembly includes at least first and second pumps. Passaging connects each of the first and second pumps for fluid communication with the inflatable bladder.

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

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : BIOSURFACTANTS PRODUCED BY A NEW STRAIN OF *BACILLUS SUBTILIS* COMPOSITION INCLUDING SAME METHOD FOR OBTAINING SAME AND USE THEREOF

(31) Priority Document No	:C12R1/125,C12P7/64,C12P21/00 :1158922	1)UNIVERSIT‰ DE LILLE 1 SCIENCES ET
(32) Priority Date	:03/10/2011	TECHNOLOGIES USTL
(33) Name of priority country	:France	Address of Applicant :Cit Scientifique F 59655 Villeneuve
(86) International Application	:PCT/FR2012/052234	dAscq Cedex France
No	:03/10/2012	(72)Name of Inventor:
Filing Date	.03/10/2012	1)COUTTE Fran§ois
(87) International Publication	:WO 2013/050700	2)JACQUES Philippe
No	0 2013/030/00	3)LECOUTURIER Didier
(61) Patent of Addition to	:NA	4)GUEZ Jean Sbastien
Application Number	:NA	5)DHULSTER Pascal
Filing Date	.1771	6)LECL^RE Valrie
(62) Divisional to Application	:NA	7)B‰CHET Max
Number	:NA	
Filing Date	*1 11 F	

#### (57) Abstract:

Bacillus spBacillus spThe present invention relates to a strain of . The present invention also relates to biosurfactants produced by a strain of . and to the uses thereof. The invention also relates to a composition including said biosurfactants as well as to a method for producing said biosurfactants. The present invention also relates to a method for obtaining a biosurfactant as well as to a device for implementing said method. The present invention can be used in particular in the production of biopesticides or biosurfactants for the phytosanitary industry as well as in the fields of the food cosmetic pharmaceutical and oil industries.

No. of Pages: 98 No. of Claims: 15

(21) Application No.2668/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: THERAPEUTIC PEPTIDES

(51) International classification	:C0/K16/00,A61K39/395	(71)Name of Applicant :
(31) Priority Document No	:61/541921	1)DANA FARBER CANCER INSTITUTE INC.
(32) Priority Date	:30/09/2011	Address of Applicant :450 Brookline Avenue Boston
(33) Name of priority country	:U.S.A.	Massachusetts 02215 5450 U.S.A.
(86) International Application No	:PCT/US2012/057839	(72)Name of Inventor:
Filing Date	:28/09/2012	1)WUCHERPFENNIG Kai W.
(87) International Publication No	:WO 2013/049517	2)FRANZ Bettina
(61) Patent of Addition to Application	:NA	3)MAY Jr. Kenneth
Number	:NA	4)DRANOFF Glenn
Filing Date	.11/1	5)HODI F. Stephen
(62) Divisional to Application Number	:NA	6)HARVEY Christopher

### (57) Abstract:

Filing Date

Compositions comprising peptides immunospecifically binds to defined binding partners wherein the peptides comprise at least complementarity determining regions relating to the complementarity regions that bind to human MICA or angiopoietin 2 are disclosed.

No. of Pages: 191 No. of Claims: 47

(21) Application No.2669/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WIRE ROD AND THE LIKE HOT ROLLING 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> </ul>	:28/09/2012 :WO 2013/046178 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)PERT S.r.l.     Address of Applicant: Via Andrea Palladio 17 Frazione Feletto Umberto Tavagnacco Italy</li> <li>(72)Name of Inventor:</li> <li>1)TOMBA Claudio</li> <li>2)ZUCCATO Massimiliano</li> </ul>
Number	•	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Wire rod hot rolling machine (1) which comprises a plurality of roller provided rolling units (2) which are arranged one after the other along the wire rod feeding paths (p); the roller provided rolling unit (2) being formed by a plurality of rolling mills assemblies (3) each of which is provided with a pair of opposite counter rotating rolling mill rollers (4) which are arranged parallel and adjacent each other; said rolling mills assemblies (3) being arranged one beside the other coplanar to a corresponding reference plane locally perpendicular to the feeding paths (p) each at the feeding path (p) of a respective wire rod (b) and are oriented so that the rotation axes (R) of the rolling mill rollers (4) of the various rolling mills assemblies (3) are locally parallel to one another while intersecting the lying plane of the feeding paths (p) of the wire rods with an inclination angle (3) greater than 5° and smaller than 85°.

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

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ULTRAVIOLET RADIATION ABSORBING POLYETHERS

(51) International classification (31) Priority Document No	:C09D :61/665439	(71)Name of Applicant: 1)JOHNSON & JOHNSON CONSUMER COMPANIES,
(32) Priority Date	:28/06/2012	INC.
(33) Name of priority country	:U.S.A.	Address of Applicant:199 GRANDVIEW ROAD,
(86) International Application No	:NA	SKILLMAN, NJ 08558, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHRISTOPHER G. LEVINS
(61) Patent of Addition to Application Number	:NA	2)JOSEPH F. ZAVATSKY
Filing Date	:NA	3)ARUNA NATHAN
(62) Divisional to Application Number	:NA	4)SUSAN DALY
Filing Date	:NA	

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

A polymer composition comprising a linear ultraviolet radiation absorbing polyether that comprises a chemically bound UV-chromophore.

No. of Pages: 35 No. of Claims: 19

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HANGER AND METHOD FOR ROUTING A HOT MELT HOSE

<ul><li>(51) International classification</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>	:F16L :61/693,012 :24/08/2012 :U.S.A. :NA	Address of Applicant :28601 CLEMENS ROAD, WESTLAKE, OHIO 44145, U.S.A. U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)RAYMOND K. PERSAUD 2)JOHN M. RINEY
(61) Patent of Addition to Application Number	:NA	2)JOHN W. KINE I
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A hanger and method for routing a hot melt hose adjacent to a structure includes a body having a through hole for receiving the hot melt hose. The through hole defines an inner surface adapted to support the hot melt hose without generally deforming the hot melt hose. The hanger also includes at least one of either a groove on the inner surface or a passage extending through the body for positioning the tie device. As such, the body is adapted to be supported by the tie device mounted to the structure. The hanger further spaces the hot melt hose from the adjacent structure. Thus, mechanical and thermal stresses may be minimized by supporting and spacing the hot melt hose from the adjacent structure without generally deforming the hot melt hose.

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

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A NON LINEAR SYSTEM FOR FREQUENCY CONVERSION

(51) International classification :G02F (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)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION  Address of Applicant: Defence Research & Development, Organization, Ministry of Defence, Govt. of India, DRDO Bhavan, 3rd - Floor, B-Block, Rajaji Marg, New Delhi-110 011 Delhi India (72)Name of Inventor:  1)Nimish Dixit  2)Om Prakash Naraniya 3)Ashok Nath Kaul 4)Arun Kumar Gupta
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#### (57) Abstract:

The invention relates to a non-linear frequency conversion system, comprising a pump laser source generating a first laser beam at a first wavelength; a periodically polled lithium niobate (PPLN) crystal placed on a motorized translation stage between two mirrors M1 and M2 to form an optical cavity configured to receive the first laser beam and generate seconpd and third laser beam of second and third laser wavelengths, said second beam parametrically oscillating between M1 and M2 for upconversion, said second and third wavelengths being longer than the first wavelength, and said motorized translation stage configured to move the PPLN crystal at a predetermined speed and a predetermined span in a direction transverse to the first laser beam such that the first laser beam falls on different grating of PPLN crystal; and a filter operatively coupled to the PPLN crystal configured to filter out the third laser beam, said third wavelength of third laser beam longer than the second wavelength of the second laser beam.

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

(21) Application No.2674/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: PUMP IN PARTICULAR A HIGH PRESSURE FUEL PUMP FOR A FUEL INJECTION DEVICE

(51) International :F02M59/10,F02M63/00,F04B1/18 classification

(31) Priority Document No :10 2011 089 399.7 :21/12/2011 (32) Priority Date (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/075994

:18/12/2012 Filing Date

(87) International Publication :WO 2013/092614

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)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor:

1)LANGENBACH Christian

### (57) Abstract:

The pump has at least one pump element (10) with a pump piston (12) driven in a stroke movement and a pump housing (22 40) which has an interior space (42) in which a drive area (14 18 36) is arranged. The pump piston (12) moves alternately into the interior space (42) and out of the interior space (42) in the pump s stroke movement. The interior space (42) has at least one supply (28) and at least one outlet (50) for fluid medium. The connection of the interior space (42) to the at least one outlet (50) is controlled depending on the stroke of the piston pump (12).

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

(21) Application No.2675/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PUMP HOUSING FOR A MOTOR VEHICLE HYDRAULIC ASSEMBLY WITH A CONNECTION FOR A WHEEL PRESSURE SENSOR OR A MASTER BRAKE CYLINDER PRESSURE SENSOR

(51) International classification	:B60T8/36	(71)Name of Applicant:
(31) Priority Document No	:102011089915.4	1)ROBERT BOSCH GMBH
(32) Priority Date	:27/12/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/071332	(72)Name of Inventor:
Filing Date	:29/10/2012	1)SCHLITZKUS Michael
(87) International Publication No	:WO 2013/097961	2)MAYR Matthias
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)WEH Andreas
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1-4		

## (57) Abstract:

The subject matter of the inventions is a pump housing (22) wherein at least two inlet valve openings (66) are arranged in a first row (116) at least two outlet valve openings (68) are arranged in a subsequent second row (118) and at least one high pressure switching valve opening (70) and at least one changeover valve opening (72) are arranged in a further subsequent fourth row (122). According to the first invention at least one connection (108) for a wheel pressure sensor is arranged in a third row (120) between the second and fourth rows. According to the second invention at least one connection (74) for a master cylinder pressure sensor is arranged in a fifth row (124) following the fourth row (122).

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: METHOD FOR OPERATING A CONTROL NETWORK AND CONTROL NETWORK

:G06F11/20,G06F11/14 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) SIEMENS AKTIENGESELLSCHAFT :13/272260 (32) Priority Date Address of Applicant: Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen :13/10/2011 (33) Name of priority country :U.S.A. Germany (86) International Application No (72)Name of Inventor: :PCT/EP2012/069688 Filing Date :05/10/2012 1)KIRSCH Andreas (87) International Publication No :WO 2013/053643 2)LUDWIG Hartmut (61) Patent of Addition to Application 3)PORSCH Roland :NA 4)SCHWARZ Tino :NA Filing Date 5)ZIEGLER Andreas (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method for operating a control network. It should be possible to perform the method reliably with relatively little complexity. According to the invention a method for operating a control network (1) is suitable for this purpose said control network having a single physical connection between a first control computer (ST1) and a second redundant control computer (ST2) by means of a data line network (2) to which several functionally important data processing devices (A C D F H K L) are connected. The data connection between the control computers (ST1 ST2) and the functionally important devices (A C D F H K L) is achieved by means of a redundant and diverse heartbeat wherein the communication connection between the two control computers (ST1 ST2) is checked in order to start the operation of the control network (1). If the result of the check is positive a master function is assigned to a control computer (ST1) or if the result of the check is negative both control computers (ST1 ST2) connect the functionally important devices (A C D F H K L) to themselves according to a defined sequence. If a specified quantity of the functionally important devices (A C D F H K L) is connected to one of the two control computers (ST1) said control computer assumes the master function and the other control computer (ST2) assumes the standby function or if the number of functionally important devices (A C D F H K L) connected to each of the two control computers (ST1 ST2) lies below the specified quantity a signal is generated that signals a faulty state of the control network (1). The invention further relates to a control network.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: MAGNETIZING DEVICE FOR MAGNETIC PARTICLE INSPECTION OF WHEEL

#### (57) Abstract:

To provide a magnetic particle inspection magnetizing device capable of sufficiently ensuring that the density of magnetic flux extending in the circumferential direction of a wheel in the space around both sides of the wheel is adequately provided from a boss to a rim of the wheel. [Solution] The present invention is a magnetizing device (100) for magnetic particle inspection of a wheel (7) the wheel being provided with a boss (71) a plate section (72) and a rim (73) outward in the stated order in the radial direction wherein the device is characterized in being provided with: a conductor (1) passing through a hole (711) in the boss (71); and a pair of auxiliary conductors (2) connected to the ends of the conductor (1) and extending in the radial direction of the wheel (7) outward from the boss (71) to the rim (73) the auxiliary conductors facing each other on both sides of the wheel (7). The pair of auxiliary conductors (2) and the conductor (1) are energized with alternating current.

No. of Pages: 27 No. of Claims: 2

(22) Date of filing of Application :11/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR DETERMINING QUALITY OF TUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:61/700,750 :13/09/2012 :U.S.A. :NA :NA	Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor: 1)FERRY, ALLAN G.
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA :NA	2)KONOPACKI, RONALD FRANCIS 3)CROCKER, ROBERT FRANCIS
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

Method and Svstem for DetermininQ uality of Tubes Disclosed herein is a system having a first housing that includes an optically transparent substrate having a first side and a second side that is opposed to the first side, a camera disposed on the first side of the optically transparent substrate and a source of illumination. The source of illumination is disposed in a ring on the periphery of the first housing and located on the first side of the optically transparent substrate. The system further has a second housing having a circuit board that is operative to process the image captured by the camera, and a battery pack that is operative to supply electrical energy to the source of illumination and to power the circuit board.

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

(21) Application No.2406/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR DETERMINING A CRYPTOGRAPHIC KEY IN A NETWORK

(51) International classification (31) Priority Document No	:H04L :102012215326.8	(71)Name of Applicant: 1)ROBERT BOSCH GMBH
(32) Priority Date	:29/08/2012	Address of Applicant :POSTFACH 30 02 20, 70442
(33) Name of priority country	:Germany	STUTTGART, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MUELLER, ANDREAS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present subject matter relates to a method for determining a cryptographic key in a network comprising a first network element (102), a second network element (104) and a network node (106), wherein the first network element communicates with the network node (106) through a first transmission channel (112) and the second network element (104) communicates with the network node (106) through a second transmission channel (114).

No. of Pages: 29 No. of Claims: 11

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RATE AIDED IMAGE REGISTRATION.

(51) International classification (31) Priority Document No	:G06T :61/703,405	(71)Name of Applicant : 1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	,	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868, NHQ1-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, UNITED STATES OF AMERICA. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ZEMANY, PAUL D.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system and method for real time registration of images is disclosed. The system measures the angle rate of change and approximates attitude difference between the two cameras to provide an estimate of the relative rate of change between the two cameras. Approximating attitude difference between the two cameras reduce the time needed for initial image registration. Real time registration of images reduces the processing load and improves tracking.

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

(21) Application No.2633/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WELLBORE FLOW CONTROL DEVICES COMPRISING COUPLED FLOW REGULATING ASSEMBLIES AND METHODS FOR USE THEREOF

(51) International classification	:E21B34/06,E21B43/26	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:NA	Address of Applicant :10200 Bellaire Boulevard Houston TX
(33) Name of priority country	:NA	77072 U.S.A.
(86) International Application No	:PCT/US2011/053344	(72)Name of Inventor:
Filing Date	:27/09/2011	1)FRANKLIN Matthew Earl
(87) International Publication No	:WO 2013/048370	2)LOPEZ Jean marc
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Wellbore flow control devices can be used in various subterranean operations to regulate access of formation fluids to the interior of a wellbore pipe and/or to limit the access of unwanted fluids thereto. Coupling of flow regulating assemblies to one another in the wellbore flow control devices can result in improved operational performance in regulating formation fluid flow to the interior of the wellbore pipe compared to using the flow regulating assemblies in an uncoupled state. Wellbore flow control devices can comprise a gate valve assembly that is in fluid flow communication with a flow restricting assembly where each assembly is located on the exterior of a wellbore pipe and the flow restricting assembly is in fluid flow communication with the interior of the wellbore pipe.

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

(22) Date of filing of Application :05/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: STEAM TURBINE STATIONARY BLADE AND STEAM TURBINE

(51) International classification	:F01D	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI LTD.
	202139	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:14/09/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ISHIBASHI KOJI
Filing Date	:NA	2)NAKANO SUSUMU
(87) International Publication No	: NA	3)MIZUMI SHUNSUKE
(61) Patent of Addition to Application Number	:NA	4)KUDO TAKESHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A plurality of slots with different widths are provided in a plurality of line on a stationary blade surface. More specifically, the steam turbine stationary blade has a hollow nozzle with a penetrating space, which is connected with a diaphragm outer ring or inner ring, and a plurality of suction. 10 slots extending radially which are arranged on the blade surface. At a position where a water film deposited to the blade surface is thick, the width of a slot is smaller and at a position where the water film is thin, the width of a slot is larger.

No. of Pages: 28 No. of Claims: 12

(21) Application No.2687/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LOW TEMPERATURE PROVER 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> </ul>	:61/547547 :14/10/2011 :U.S.A. :PCT/US2012/060266 :15/10/2012 :WO 2013/056235 :NA :NA	(71)Name of Applicant:  1)DANIEL MEASUREMENT AND CONTROL INC.  Address of Applicant:11100 Brittmoore Park Drive Houston Texas 77041 U.S.A. (72)Name of Inventor:  1)DAY Donald M.  2)WEAVER Drew S.
- 1 01-1-1	*	

# (57) Abstract:

Apparatus and methods for proving a flow meter including a launch hold facility and a seal leak detect device.

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

(21) Application No.2688/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TOOTH FILM FORMULATIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li></ul>	:A61K8/73,A61K8/81,A61Q11/00 :NA :NA :NA :PCT/US2011/059544 :07/11/2011	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY  Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A.  (72)Name of Inventor:  1)PILLAI Shyamala
Filing Date (87) International Publication No	:WO 2013/070184	2)XU Guofeng
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention provides novel dental film forming compositions comprising i. an acrylate / octylacrylamide copolymer ii. one or more alkyl cellulose ethers and iii. a solvent and optionally further comprising whitening materials and/or active agents together with method for using the same.

No. of Pages: 15 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

(21) Application No.2629/DELNP/2014 A

# (54) Title of the invention: A BUCKET CONNECTION FOR A TURBINE RUNNER

(51) International classification	:F03B1/02,F01D5/30	(71)Name of Applicant:
(31) Priority Document No	:20111347	1)DYNAVEC AS
(32) Priority Date	:04/10/2011	Address of Applicant :Livbygget N 7125 Vanvikan Norway
(33) Name of priority country	:Norway	(72)Name of Inventor:
(86) International Application No	:PCT/NO2012/050189	1)J~RGENSEN Hans J¸rgen
Filing Date	:03/10/2012	2)SIMONSEN Are Johan
(87) International Publication No	:WO 2013/051942	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A bucket connection for a turbine runner (1) where the turbine runner (1) includes a number of buckets (4) encircling a centre disk (2) where at least one bucket (4) is pivotably or hingedly connected to the centre disk (2) and where the position of the bucket (4) relatively the centre disk (2) under operation is set by an abutment (22) between the bucket (4) and a support (16) where the support (16) is connected to or constitutes a part of the centre disk (2) and where the abutment is constituted by an abutment surface 18 on the support 16 and an abutment surface 20 on the bucket 4 where the abutment surface 18 on the support 16 is non planar in that it is provided with a buckling 19 and that the abutment surface 20 of the bucket 4 is provided with a buckling 21 adapted to fit into the buckling 19 of the abutment surface 18 of the support 16 whereby the abutment 22 is adapted to accommodate forces acting both tangentially and radially of the bucket 4.

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

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: FORMULATION

(31) Priority Document No       :61/552201       1)S         (32) Priority Date       :27/10/2011       A         (33) Name of priority country       :U.S.A.       Switz         (86) International Application No       :PCT/US2012/062226       (72)N         Filing Date       :26/10/2012       1)K	1)Name of Applicant:  1)SYNGENTA PARTICIPATIONS AG  Address of Applicant: Schwarzwaldallee 215 CH4058 Basel witzerland  2)Name of Inventor:  1)KIM Sejong  2)FOWLER Jeffrey David
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(21) Application No.2684/DELNP/2014 A

#### (57) Abstract:

A dispersion comprising (a) a continuous liquid phase; and (b) a solid phase of epoxypolymer particles dispersed in the continuous liquid phase; where the polymer is formed from monomers that are insoluble in the continuous phase; a chemical agent is present within the polymer particles; and the dispersion is not a Pickering dispersion; and optionally the polymer molecules that form the polymer particles contain hydrophilic groups that hydrate on exposure to water in a manner that renders the particles permeable and that allows the chemical agent to diffuse out and optionally at least one non cross linkable mobile chemical such that the extraction of this chemical from the dispersed phase renders it porous in a manner that allows the chemical agent to diffuse out.

No. of Pages: 37 No. of Claims: 8

(21) Application No.2685/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR PROTECTING USEFUL PLANTS OR PLANT PROPAGATION MATERIAL

(51) International classification :A01N55/08,A01N25/00,A01P1/00

(31) Priority Document No :11184373.6 (32) Priority Date :07/10/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/069835

Filing Date :08/10/2012

(87) International Publication :WO 2013/050591

(61) Patent of Addition to
Application Number
:NA

Filing Date

(62) Divisional to Application

NA

Number :NA Filing Date :NA

Timig Date

(71)Name of Applicant:

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Address of Applicant : Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor: 1)BOBBIO Carla

2)WEIDER Christophe

3)ZEUN Ronald 4)RAJAN Ramya 5)STIERLI Daniel

(57) Abstract:

A method of controlling phytopathogenic diseases on useful plants or plant propagation material thereof which comprises applying to said plant or plant propagation material a fungicidally effective amount of a compound of formula (I) wherein all the substituent save indicated as in claim 1.

No. of Pages: 61 No. of Claims: 23

(22) Date of filing of Application :12/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS AND DEVICES FOR THREADING SUTURES

(51) International classification (31) Priority Document No	:A61B :13/623,467 :20/09/2012	
(32) Priority Date (33) Name of priority country		RAYNHAM, MA 02767, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MEHMET ZIYA SENGUN
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)GARY MCALISTER 3)GREGORY R. WHITTAKER
Filing Date	:NA	4)DAVID B. SPENCINER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Methods and devices are provided for anchoring suture to bone. In one embodiment, an elongate weave of fibers can be provided having a first portion with a first pick count and a second portion with a second pick count that is greater than the first pick count. The first portion can have a cross-section that deforms in response to a force that is applied thereto. The first portion can have a collapsible diameter and can have a bending stiffness that is lower than a bending stiffness of the second portion of the suture. The first portion can also have a first pattern that is different than a second pattern on the second portion of the suture. The first portion can be threaded into a suture anchor such that it can be doubled over upon itself. The present invention also provides exemplary sutures and drivers that can be used with the various methods and devices disclosed herein, or with other methods and devices known in the art.

No. of Pages: 30 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ENERGY HARVESTING PASSIVE AND ACTIVE SUSPENSION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority</li></ul>	:B60G17/044,B60G17/048,F16F9/34 :13/286457 :01/11/2011 :U.S.A.	INC. Address of Applicant :500 North Field Drive Lake Forest Illinois 60045 U.S.A.
country (86) International Application No Filing Date (87) International Publication No	:PCT/US2012/059324 :09/10/2012 :WO 2013/066574	(72)Name of Inventor : 1)SIX Kristoff
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(21) Application No.2630/DELNP/2014 A

#### (57) Abstract:

A hydraulic actuator includes an energy recuperation device which harvests the energy generated from the stroking of a shock absorber. The energy recuperation device can function in a passive energy recovery mode for the shock absorber or an active mode for the shock absorber. The energy that is generated by the energy recuperation device can be stored as fluid pressure or it can be converted to another form of energy such as electrical energy.

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

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: PAPERMAKING FABRIC

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
:D21F1/00,D03D11/00
:10 2011 054 163.2
:04/10/2011
:Germany
:PCT/EP2012/067456
:06/09/2012

(87) International Publication No :WO 2013/050215

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

:D21F1/00,D03D11/00 (71)**Name of Applicant :** 

1)ANDRITZ KUFFERATH GMBH

(21) Application No.2631/DELNP/2014 A

Address of Applicant :Lommessemstr. 32 36 52353 D<sup>1</sup>/<sub>4</sub>ren

Germany

(72)Name of Inventor:

1)HEGER Wolfgang

#### (57) Abstract:

The invention relates to a papermaking fabric which is designed as a multi layer woven fabric having an upper fabric layer and a lower fabric layer. The upper fabric layer has a plurality of upper longitudinal threads which run solely in the upper fabric layer and a plurality of upper transverse threads which are interwoven with the upper longitudinal threads and each run at least primarily in the upper fabric layer. The lower fabric layer has a plurality of lower longitudinal threads which run solely in the lower fabric layer and a plurality of lower transverse threads which are interwoven with the lower longitudinal threads and run solely in the lower fabric layer. The upper fabric layer has a repeating upper weave pattern on the upper side thereof which is formed from nine upper longitudinal threads and three upper transverse threads. The three upper transverse threads of the upper weave pattern each have the following course in the upper weave pattern: under a upper longitudinal thread over the next upper longitudinal thread under the next upper longitudinal threads and over the following upper longitudinal thread wherein in the upper weave pattern the course of the respective upper transverse thread is arranged offset to the course of the adjacent upper transverse thread in the transverse direction by three upper longitudinal threads. At least some of the upper transverse threads in the woven fabric are designed as binding transverse threads which in order to bind the upper fabric layer to the lower fabric layer temporarily switch into the lower fabric layer during the course thereof under the four successive to longitudinal threads and there run under at least one lower longitudinal thread.

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

(22) Date of filing of Application :05/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: A METHOD OF AND AN ARRANGEMENT FOR TRANSFERRING A PROCESS LIQUID, AN INDUSTRIAL FACILITY AND A METHOD OF SIMPLIFYING THE LAYOUT OF SUCH

(33) Name of priority country  (86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (82) Divisional to Application Number Filing Date  (83) Name of Inventor:  (84) International Publication No (85) International Publication Number (86) Divisional to Application Number (87) International Publication Number (88) International Publication No (89) International Publication No (80) International Publication No (80) International Application No (81) International Application No (82) International Application Number (83) International Publication No (84) International Publication No (85) International Publication No (86) International Application No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (80) International Publication No (80) International Publication No (81) International Publication No (81) International Publication No (82) International Publication Number (84) International Publication No (85) International Publication Number (86) International Publication No (87) International Publication Number (88) International Pub	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	UNION :NA :NA : NA r :NA :NA :NA :NA	(72)Name of Inventor : 1)REIJO VESALA
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#### (57) Abstract:

The present invention relates to a method of and an arrangement for transferring a process liquid from one process stage to another. In accordance with an advantageous embodiment of the present invention, the method and the arrangement are applicable, for example, in transferring fibres suspensions or pulps from one treatment or process stage to another in pulp and paper making industry such that the dilution of pulp after a washing and/or thickening device is performed in a stand pipe (18) below the surface level control range.

No. of Pages: 30 No. of Claims: 22

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MULTILAYER FILM STRUCTURE COMPRISING RENEWABLY SOURCED MATERIALS

(31) Priority Document No :61/551625 (32) Priority Date :26/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/061980

Filing Date :25/10/2012

(87) International Publication :WO 2013/063310

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

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date :NA

(51) International classification :B32B9/02,B32B27/36,B32B9/04 (71) Name of Applicant :

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington

Delaware 19899 U.S.A. (72)Name of Inventor: 1)HAUSMANN Karlheinz 2)TROUILHET Yves M. 3)SCHIFFMANN Juergen

## (57) Abstract:

A coextruded multilayer structure which can be oriented and a process therefor are disclosed in which the structure comprises a poly(hydroxyalkanoic acid) polymer (PHA) composition layer a tie layer and a sealant layer and the process comprises consists essentially of or consists of coextruding a PHA composition a tie layer composition and a sealant layer composition to produce a tubular multiplayer structure; cooling the multilayer film structure in a first bubble to produce a tubular multilayer structure; orienting the tubular multilayer structure under heating in a second bubble to produce an oriented tubular multilayer structure; and relaxing the oriented tubular multilayer structure under heating in a third bubble. The structure can be used to produce an article such as a packaging article.

No. of Pages: 22 No. of Claims: 13

(21) Application No.2298/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FILTER ELEMENT 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B65F :201310172865.1 :10/05/2013 :China :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)YAMASHIN-FILTER CORP Address of Applicant: 1-1-8, SAKURAGICHO, NAKA-KU, YOKOHAMA-SHI, KANAGAWA 231-0062, JAPAN (72)Name of Inventor:  1)NOBUYUKI, KITAJIMA
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## (57) Abstract:

A filter element unit is located in a tank with an opening. The filter element unit is provided with a filter element accommodated and located into the tank through the opening, a lid member which closes the opening of the tank, and fixing means for securing the filter element and the lid member to each other.

No. of Pages: 46 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :21/08/2013

(21) Application No.2467/DEL/2013 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: OPTICAL 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>	:H04N :102101731 :17/01/2013 :Taiwan :NA :NA :NA	· · · · · · · · · · · · · · · · · · ·
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

An optical system for a projector is provided, which includes a solid-state light source module, an optical module, a phosphor element and a light relay module which are disposed sequentially. The light source module can generate a first beam, while the optical module can relay and uniformize the first beam so that the first beam is uniformly incident on the phosphor element. The optical module also makes the light spot of the first beam incident on the phosphor element into a predetermined shape and area, so that the phosphor element will emit a second beam by an emitting area. The light relay module can receive a part of the second beam, and the part of the second beam has a solid angle. An Etendue defined by the solid angle and the emitting area may be identical to the Etendue of a light modulator of the projector.

No. of Pages: 26 No. of Claims: 11

(21) Application No.2638/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: PROCESS FOR PRODUCING TEREPHTHALIC ACID

(51) International :C07C51/255,C07C63/26,C07C51/265 classification

(31) Priority Document No :13/340146

(32) Priority Date :29/12/2011 (33) Name of priority

:U.S.A.

country (86) International

:PCT/US2012/060715 Application No

:18/10/2012 Filing Date

(87) International

:WO 2013/101332 Publication No

:NA

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

(71)Name of Applicant:

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)BHATTACHARYYA Alakananda

# (57) Abstract:

Filing Date

Methods of producing terephthalic acid are described. The methods involve using a substantially pure p toluic acid stream. The substantially pure p toluic acid stream a solvent comprising an ionic liquid and optionally a carboxylic acid a bromine source a catalyst and an oxidizing agent are contacted to produce a product comprising terephthalic acid.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2639/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: PROCESS FOR OXIDIZING AN ALKYL AROMATIC COMPOUND

(51) International :C07C51/265,C07C63/26,B01J31/02 classification (31) Priority Document No :13/340152 (32) Priority Date :29/12/2011 (33) Name of priority :U.S.A. country (86) International :PCT/US2012/059183 Application No :08/10/2012 Filing Date (87) International Publication: WO 2013/101325

(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)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)BHATTACHARYYA Alakananda

2)WALENGA Joel T.

#### (57) Abstract:

Processes for oxidizing an alkyl aromatic compound are described. The processes include contacting an alkyl aromatic compound a solvent a bromine source a catalyst and an oxidizing agent to produce a product comprising at least one of an aromatic alcohol an aromatic aldehyde an aromatic ketone and an aromatic carboxylic acid. The composition of the solvent is controlled to reduce the impurities in the product.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: MEDICAL DEVICES CONTAINING SHAPE MEMORY POLYMER COMPOSITIONS

(51) International :A61L31/06,A61L31/12,A61L31/14 classification

(31) Priority Document No :1117214.5 (32) Priority Date :05/10/2011

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

(86) International Application :PCT/GB2012/052470

No :05/10/2012 Filing Date

(87) International Publication: WO 2013/050775

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

Number :NA

Filing Date

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

Address of Applicant: 15 Adam Street London WC2N 6LA

(72)Name of Inventor:

1)BROWN Malcolm

2)BALDERAS Horacio Montes de Oca

3)HALL Michael Andrew 4)BULL Alan William 5)FARRAR David Franklin 6)CATON ROSE Philip 7) COATES Philip David 8)THOMPSON Glen 9)MARTYN Michael

10)WARD Ian MacMillan 11)BONNER Mark James 12)HINE Peter John

#### (57) Abstract:

The present invention relates at least in part to surgical devices which comprise a shape memory polymer material composition. Particularly although not exclusively the present invention relates to a fixation device e.g. an anchor device e.g. a suture anchor which comprises a shape memory material. Included in the present invention are anchor devices e.g. suture anchors which are formed entirely of a shape memory polymer material. Embodiments of the present invention comprise hybrid suture anchors particularly suture anchors which are formed from a shape memory polymer material and a non shape memory material. Methods of securing an anchor in a bone or tissue are also included in the present invention.

No. of Pages: 64 No. of Claims: 42

(21) Application No.2698/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: A WATER CONTAINER

(51) International classification :C02F1/00,C02F1/44,B01D61/08 (71)Name of Applicant:

(31) Priority Document No :1115680.9 :12/09/2011 (32) Priority Date

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

(86) International Application :PCT/GB2012/052254

No

:12/09/2012 Filing Date

(87) International Publication No:WO 2013/038178

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)PRITCHARD IP LIMITED

Address of Applicant: 47 Butt Road Colchester Essex CO3

3BZ U.K.

(72)Name of Inventor:

1)PRITCHARD Michael

## (57) Abstract:

A container (10) for water comprising: a container housing (11) for holding water the housing having a base side walls and a top wall; a water filter (19) comprising one or more membranes (22) which are effective to pass water in preference to air under the influence of a pressure differential; an output valve (20) coupled to the water filter(19); and a pump (18) for establishing a pressure differential across the walls of the container housing wherein the container housing comprises a main volume (MV) within which the water filter (19) extends and a header volume (HV) above the water filter. For a given internal capacity of a water container of the present invention the provision of a header volume ensures that the surface area of the water filter in contact with water in the main volume is constant so long as there is water within the header volume. This keeps the membranes of the water filter working at maximum efficiency for longer than they would otherwise. In a preferred embodiment the container has a capacity of between 1 and 6 litres more preferably between and 6 litres. Preferably the ratio of the header volume to the main volume is at least 1:6 more preferably at least 1:5.

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

(19) INDIA

(22) Date of filing of Application :03/04/2014

(21) Application No.2648/DELNP/2014 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: SHEET METAL ROLLING DEVICE

(51) International

:B21B37/30,B21B31/02,B21C51/00

classification

(31) Priority Document No :2012143454 (32) Priority Date :26/06/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/067408

Filing Date

:25/06/2013

(87) International Publication: WO 2014/003016

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)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

1) ISHII Atsushi

2)KASAI daisuke 3)OGAWA shigeru

4)KATO hiroki

5)OKABE Yuuto

(57) Abstract:

To provide a rolling device that is able to accurately detect force in the direction of rolling applied to a work roll chock. [Solution] This sheet metal rolling device equipped with a vertical pair of work rolls (1 2) is equipped with: a pair of work roll chocks (5 6) that hold the work rolls (12); a housing (10) that holds the work roll chocks; and rolling direction force measurement devices (21 22 23 24) that measure the force in the direction of rolling. The rolling direction force measurement devices are equipped with a plurality of load detection devices provided to the housing at the rolling direction incoming side or the rolling direction outgoing side of the work roll chocks and the plurality of load detection devices are disposed arranged in the direction of pressure decrease in a manner so that when rolling sheet metal at least two load detection devices are facing the lateral surface of the work roll chocks at all times. At such a time at least two load detection devices are disposed in a manner so as to sandwich the roll axis center which is the power point of the force in the direction of rolling in the direction of pressure decrease.

No. of Pages: 67 No. of Claims: 13

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF USING CONTROLLED RELEASE TRACERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/562887 :22/11/2011 :U.S.A.	(71)Name of Applicant:  1)BAKER HUGHES INCORPORATED  Address of Applicant: 2929 Allen Parkway Suite 2100  Houston Texas 77019 U.S.A. (72)Name of Inventor:  1)GUPTA D.V. Satyanarayana 2)BRANNON Harold Dean
\ <i>,</i>		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Fluids produced from a fractured subterranean formation may be monitored by pumping into the well a fracturing fluid which contains a tracer. The method may be used to monitor produced hydrocarbons as well as produced water. The tracer may also be used in a sand control frac pack or acid fracturing operation. The tracer is a component of a composite where it may be immobilized within a matrix (such as an emulsion) or porous particulate onto a support or compressed with a binder into a solid particulate. The tracer may be slowly released from the composite.

No. of Pages: 25 No. of Claims: 28

(21) Application No.2703/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SPLIT INTEINS AND USES THEREOF

(51) International :C12N15/62,C12N15/82,C07K14/195 classification

(31) Priority Document No :61/540101 (32) Priority Date :28/09/2011 (33) Name of priority

:U.S.A. country

(86) International :PCT/EP2012/069219 Application No

:28/09/2012 Filing Date

(87) International

:WO 2013/045632 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)ERA BIOTECH S.A.

Address of Applicant :Edificio PRUAB IBB MRB Universitat Aut<sup>2</sup>noma de Barcelona E 08193 Cerdanyola del Vall<sup>11</sup> Barcelona

Spain

(72)Name of Inventor:

1)PALLISSE BERGWERF Roser 2)SCHMIDT Stefan Robert 3)MARCO FELIU Ddac

4) CARVAJAL VALLEJOS Patricia Karina

## (57) Abstract:

The present invention relates generally to robust split inteins. The split inteins described herein are active over a large temperature range including temperatures as low as 0 °C over a wide pH range and in the presence of chaotropic salts. The split inteins also show high tolerance to sequence variability in fused heterologous polypeptides and therefore are useful in protein purification and engineering techniques.

No. of Pages: 150 No. of Claims: 29

(22) Date of filing of Application :13/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HOST FOR CONTROLLING NON-VOLATILE MEMORY CARD, SYSTEM INCLUDING THE SAME, AND METHODS OPERATING THE HOST AND THE SYSTEM

(51) International classification  (31) Priority Document No (32) Priority Date  (33) Name of priority country  (86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (62) Divisional to Application Number Filing Date  (NA Filing Date	1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129 SAMSUNG-RO, YEONGTONG- O/2012 GU, SUWON-SI, GYEONGGI-DO 443-742, KOREA Republic of Korea
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### (57) Abstract:

A host for controlling a non-volatile memory card, a system including the same, and methods of operating the host and the system are provided. The method of operating the host connected with the non-volatile memory card through a clock bus, a command bus, and one or more data buses includes transmitting a first command to the non-volatile memory card through the command bus, transmitting first data corresponding to the first command to the non-volatile memory card through the one or more data buses or receiving the first data from the non-volatile memory card through the data buses, and transmitting a second command to the non-volatile memory card at least once through the command bus during or before transfer of the .first data.

No. of Pages: 51 No. of Claims: 30

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : RECONFIGURABLE SWITCHING ELEMENT FOR OPERATION AS A CIRCULATOR OR POWRE DIVIDER

<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>	:G02F :13/588,418 :17/08/2012 :U.S.A.	Address of Applicant :101 COLUMBIA ROAD, P.O. BOX 2245, MORRISTOWN, NEW JERSEY 07962, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ADAM M. KROENING
(87) 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 comprises a waveguide structure that includes multiple arms extending from the structure, wherein the arms connect to the structure; a switching element disposed in the structure and having multiple segments, each segment being associated with a waveguide arm, wherein the switching element has an E-plane aperture extending through the switching element, wherein the E-plane aperture is aligned perpendicularly to the H-plane; and an Eplane magnetizing winding inserted through the E-plane aperture such that current applied to the E-plane magnetizing winding establishes a magnetic field in the switching element that is aligned with the H-plane. In a further embodiment, the structure includes an H-plane aperture formed through each segment, the H-plane aperture aligned with the H-plane; and an H-plane magnetizing winding inserted through the H-plane apertures, wherein current applied to the H-plane magnetizing winding establishes a magnetic field in the switching element that is not aligned with the H-plane.

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

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: POWER CONVERSION APPARATUS AND CONTROL METHOD THEREOF

(51) International classification	:H01F	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI, LTD.
(31) Fliolity Document No	202195	Address of Applicant :6-6, MARUNOUCHI, 1-CHOME,
(32) Priority Date	:14/09/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)INOUE SHIGENORI
Filing Date	:NA	2)KATOH SHUJI
(87) International Publication No	: NA	3)BANDO AKIRA
(61) Patent of Addition to Application Number	:NA	4)KIYOFUJI YASUHIRO
Filing Date	:NA	5)EGUCHI YOSHIO
(62) Divisional to Application Number	:NA	6)ICHINOSE MASAYA
Filing Date	:NA	7)YAMAMOTO TAKAYOSHI

### (57) Abstract:

In the present invention, provided is a power conversion apparatus (102) in which at least one energy storage element and at least one switching element are included, a plurality of series circuits of a transformer winding and an arm (104U, 104 V, 104W) in which one or a plurality of at least two-terminal unit converters (105) which depend on ON/OFF of the switching element and supply a zero voltage or a voltage depending on a voltage of the energy storage element are connected in series are connected in parallel, and a multi-phase power source or a multi-phase load is connected to another winding of the transformer (103), and the parallelconnection point is set as a DC terminal, and which includes means (106) for controlling a current flowing through each of the arms (104U, 104 V, 104W) to have a phase and amplitude different from each other.

No. of Pages: 37 No. of Claims: 12

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : RECOMBINANT VECTOR, TRANSGENIC FISH EGG USING THE SAME AND BIOMATERIAL USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K :61/694,877 :30/08/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	Address of Applicant SH NO 153 SHC 3 XIN VIRI
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## (57) Abstract:

A recombinant vector, transgenic fish egg using the same and biomaterial using the same are applied to provide a transgenic fish that secreting recombinant human procollagens or collagens, and further to provide the biomaterial having the recombinant human procollagens or collagens and extract the recombinant human procollagens from the part(s), having the recombinant human procollagens or collagens, of the transgenic fish.

No. of Pages: 53 No. of Claims: 11

(22) Date of filing of Application :13/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: HEAT-EXCHANGER SUSPENSION STRUCTURE OF RESIN FRONT END PORTION

(51) International classification	:F28F	(71)Name of Applicant:
(31) Priority Document No	:2012- 282563	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:26/12/2012	Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)USUDA, Yoshitaka
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:

To keep an upper end position of an upper member portion low while suspension rigidity is ensured by suspending a heat exchanger by an upper member portion through sliding engagement of an upper heat-exchanger holding member on the heat exchanger side and an upper heat-exchanger holding portion on an upper member portion side. [Solution] In a heat-exchanger suspension structure of a resin front end portion 3 in which the resin front end portion 3 is formed of a square-shaped frame structure having an upper member portion 6, left and right side brace portions 7, and a lower member portion 8, the left and right side brace portions 7 are suspended by a front side member 2 extending in a fore-and-aft direction of the vehicle, and the heat exchanger 4 is suspended by the resin front end portion 3, the heat exchanger 4 is suspended by the upper member portion 6 and the lower member portion 8, respectively, and the suspension by the upper member portion 6 is configured to be performed by engagement between an end portion on a flat plate portion 10a of an upper heat-exchanger holding member 10 mounted on an upper part of the heat exchanger 4 and a projecting portion 18 of an upper heat-exchanger holding portion 11 provided on the upper member portion 6.

No. of Pages: 31 No. of Claims: 4

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND APPARATUS FOR FACILITATING POWER SUPPLY TO ELECTRONIC DEVICES USING LOW POWERED RECHARGEABLE MOBILE COMPUTING DEVICES

		(71)Name of Applicant:
(51) International classification	:G06F	1)MOTOROLA SOLUTIONS, INC.
(31) Priority Document No	:NA	Address of Applicant :1303 EAST ALGONQUIN ROAD
(32) Priority Date	:NA	SCHAUMBURG, ILLINOIS 60196, UNITED STATES OF
(33) Name of priority country	:NA	AMERICA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NABIRAJ SEETHALAPRASAD
(87) International Publication No	: NA	2)NA
(61) Patent of Addition to Application Number	:NA	3)HARMMIT B CHAWLA
Filing Date	:NA	4)SANJAY VIJAY VIJAY NARE
(62) Divisional to Application Number	:NA	5)ALBERT VINOD VINOD SAMUEL
Filing Date	:NA	6)SHRIDHAR SHANBHAG
		7)RAJESHEKAR N

## (57) Abstract:

A power system for facilitating power supply to electronic devices using low powered rechargeable mobile computing device is provided. In operation, the power system comprises a docking station including a plurality of universal serial bus (USB) ports and a mobile computing device including a low powered rechargeable battery. Each of the plurality of USB ports in the docking station is configured to source power supply from the low powered rechargeable battery and output the sourced power supply to an electronic device connected thereof when the mobile computing device is coupled to the docking station. The mobile computing device is configured to selectively enable or disable one or more of the plurality of USB ports to control the output of power supply provided to corresponding one or more electronic devices connected thereof.

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

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: GLASS COMPOSITIONS WITH IMPROVED CHEMICAL AND MECHANICAL DURABILITY

(51) International

:C03C3/087,C03C3/091,C03C21/00

classification (31) Priority Document No

:61/551163 :25/10/2011

:NA

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

(86) International Application :PCT/US2012/061867

Filing Date

:25/10/2012

(87) International Publication: WO 2013/063238

No

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

(62) Divisional to Application :NA Number

Filing Date

(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)DANIELSON Paul Stephen

2)DEMARTINO Steven Edward 3)DRAKE Melinda Ann

4)MORENA Robert Michael 5)PAL Santona

6)SCHAUT Robert Anthony

(57) Abstract:

The embodiments described herein relate to chemically and mechanically durable glass compositions and glass articles formed from the same. In another embodiment a glass composition may include from about 70 mol.% to about 80 mol.% SiO; from about 3 mol.% to about 13 mol.% alkaline earth oxide; X mol.% AlO; and Y mol.% alkali oxide. The alkali oxide may include NaO in an amount greater than about 8 mol.%. A ratio of Y:X may be greater than 1 and the glass composition may be free of boron and compounds of boron. In some embodiments the glass composition may also be free of phosphorous and compounds of phosphorous. Glass articles formed from the glass composition may have at least a class S3 acid resistance according to DIN 12116 at least a class A2 base resistance according to ISO 695 and a type HGA1 hydrolytic resistance according to ISO 720.

No. of Pages: 49 No. of Claims: 63

(19) INDIA

(21) Application No.2715/DEL/2013 A

(22) Date of filing of Application :16/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: MEASURING DEVICE

(51) International classification	:B24B	(71)Name of Applicant :
(31) Priority Document No	:10 2012 018 580. 4	1)JENOPTIK INDUSTRIAL METROLOGY GERMANY GMBH
(32) Priority Date	:20/09/2012	Address of Applicant :ALTE TUTTLINGER STRAE 20,
(33) Name of priority country	:Germany	78056 VILLINGEN-SCHWENNINGEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JORG SEEWIG
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

A measuring device 2 according to the invention for inprocess measurement of test pieces during a machining operation on a machine tool, in particular a grinding machine 4, has a base body 18, and a measuring head 12 which is movable between a neutral position and a measuring position and which is connected to the base body 18 via a rod assembly 14 which is designed and set up in such a way that the measuring head 12 in the measuring position follows orbital rotations of the test piece about a rotational axis. The measuring head 12 has a measuring sensor 36 which is deflectable along a linear axis for recording measured values during a measuring operation. A control apparatus 80 is provided for controlling the measuring operation. According to the invention, the control apparatus 80 is designed and set up in such a way that the measuring device 2 may be calibrated in a calibration mode..

No. of Pages: 40 No. of Claims: 14

(21) Application No.2384/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AUTOMATED SPOKEN ENGLISH ASSESSMENT AND PROVIDING JOB FITMENT FEEDBACK BASED ON ITS SCORES

(51) International classification	:G09B7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VARUN AGGARWAL
(32) Priority Date	:NA	Address of Applicant :323, UDYOG VIHAR, PHASE-2,
(33) Name of priority country	:NA	GURGAON, HARYANA. India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VARUN AGGARWAL
(87) International Publication No	: NA	2)HIMANSHU AGGARWAL
(61) Patent of Addition to Application Number	:NA	3)VINAY SHASHIDHAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer implemented system and method for candidate response evaluation for spoken English for job fitment reporting is disclosed. The system includes a test response module to receive a candidate speech response; an evaluation module to generate candidate scores for the candidate speech response based on one or more job fitment parameters; an analytics module for generating a job fitment recommendation based on the candidate scores and a recommendation criterion; and a reporting module for generating and communicating a candidate report and an employer report based on the job fitment recommendation.

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

(21) Application No.2385/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMPROVED MECHANICAL CIRCULATOR ASSEMBLY

(51) Intermedicual algorification	.11021/7/00	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)VIVEK VERMA
(32) Priority Date	:NA	Address of Applicant :HOUSE NO. 485, SECTOR-8,
(33) Name of priority country	:NA	PANCHKULA - 134108, HARYANA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VERMA, VIVEK
(87) 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 describes a novel improved mechanical circulator assembly which is of compact construction and energy efficient. In the present invention, the overall circulator system length has been reduced due to use of torque motor(s) which obviates the need of gearbox and gear drive. The improved mechanical circulator assembly is used as top mounted or bottom mounted with vacuum pan. The motor assembly which consists of rotor and stator; the hub serving as the connector between the motor and shaft; mechanical seal, bearings, bearings support, lock nut along with the vertical shaft is enclosed within a torque motor and seal housings.

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

(21) Application No.2712/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COVER FOR A VALVE CAP OF A GAS CYLINDER

(51) International classification	:A61M16/20,F17C13/06	(71)Name of Applicant:
(31) Priority Document No	:11186984.8	1)LINDE AG
(32) Priority Date	:27/10/2011	Address of Applicant :Klosterhofstrasse 1 80331 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/071129	(72)Name of Inventor:
Filing Date	:25/10/2012	1)CESBRON Anthony
(87) International Publication No	:WO 2013/060765	2)PLANES Abdon
(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 pertains to a cover (3) for a valve cap (2) of a gas cylinder (1) wherein the cover (3) includes a cavity (340 342) which is dimensioned to receive portions of the valve cap (2) of the gas cylinder (1) wherein the cover (3) is made from a substantially rigid material.

No. of Pages: 23 No. of Claims: 16

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SANDWICH STRUCTURE UNIT FOR SOLAR COLLECTOR MIRRORS

(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date  (31) Priority Document No Sudden (32) Priority Date (33) Name of priority country (34) Sweden (35) Sweden (36) International Application No (37) Name of Inventor: (38) Name of Inventor: (39) Name of Inventor: (39) Name of Inventor: (39) Name of Inventor: (30) Name of Inventor: (31) Name of Inventor: (32) Name of Inventor: (33) Name of Inventor: (34) Name of Inventor: (34) Name of Inventor: (35) Name of Inventor: (36) Name of Inventor: (37) Name of Inventor: (38) Name of Applicant: Staffanstorpsvgen 121 S 232 of Sweden (72) Name of Inventor: (73) Name of Inventor: (74) Name of Inventor: (74) Name of Inventor: (75) Name of Inventor: (76) Name of Inventor: (78) Name of Inventor: (78) Name	51 Arlv
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### (57) Abstract:

The present invention discloses a solar panel mirror unit (1) being shaped such as curved and having a sandwich structure said sandwich structure comprising an outermost front reflecting layer (2) intended as the sun reflecting layer and therefore having a reflective coating said outermost front reflecting layer (2) consisting of a first material having a first thermal expansion coefficient an intermediate layer (4) having a honeycomb structure and being the core of the sandwich structure and an innermost rear layer (5) consisting of a second material having a second thermal expansion coefficient wherein said first and second thermal expansion coefficients are equal or substantially equal.

No. of Pages: 17 No. of Claims: 14

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

(43) Publication Date: 20/02/2015

# (54) Title of the invention : A PHARMACEUTICAL COMPOSITION FOR TREATING CANCER COMPRISING INTERFERON ALPHA CONJUGATE

(51) International :A61K38/21,A61K39/395,A61K47/48

classification (31) Priority Document No :201110269277.0

(31) Priority Document No .201110209277.0 (32) Priority Date :05/09/2011 (33) Name of priority

country :China

(86) International Application No :PCT/KR2012/007113

Filing Date :05/09/2012

(87) International Publication No :WO 2013/036032

(61) Patent of Addition to Application Number :NA

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

(71)Name of Applicant:

1)HANMI SCIENCE CO. LTD.

Address of Applicant :550 Dongtangiheung ro Dongtan myeon

Hwaseong si Gyeonggi do 445 813 Republic of Korea 2)BELJING HANMI PHARMACEUTICAL CO. LTD.

(72)Name of Inventor:

1)JUNG Sung Youb 2)WOO Young Eun 3)LIM Se Young

4)CHOI In Young 5)LEE Jae Ho

6)KWON Se Chang 7)MOON Sung Hwan 8)LIU Jiawang

## (57) Abstract:

THE PRESENT INVENTION RELATES TO AN ANTI CANCER PHARMACEUTICAL COMPOSITION COMPRISING AN INTERFERON ALPHA OR A POLYMER CONGUGATE THEREOF AND USE THEREOF IN THE TREATMENT OF CANCER BY CO ADMINISTRATION WITH ANTI CANCER AGENTS. THE INTERFERON ALPHA CONJUGATE OF THE PRESENT INVENTION SHOWS A LONGER HALF LIFE AND A MORE EXCELLENT ANTI CANCER ACTIVITY THAN THE CONVENTIONAL INTERFERON ALPHA AND IN PARTICULAR ITS CO ADMINISTRATION WITH AN ANTI CANCER AGENT SUCH AS GEMCITABINE HAS SYNERGISTIC INHIBITORY EFFECTS ON CANCER CELL GROWTH AND PROLIFERATION SO AS TO EXHIBIT A REMARKABLY EXCELLENT ANTI CANCER ACTIVITY. FURTHER THE ANTI CANCER PHARMACEUTICAL COMPOSITION OF THE PRESENT INVENTION HAS EXCELLENT HALF LIFE AND ANTI CANCER ACTIVITY TO GREATLY REDUCE ADMINISTRATION FREQUENCY. CO ADMINISTRATION OF AN ANTI CANCER AGENT AND THE INTERFERON ALPHA CONJUGATE HAVING EXCELLENT ANTI CANCER ACTIVITY REDUCES ADMINISTRATION DOSE OF ANTI CANCER AGENT SO AS TO REDUCE SIDE EFFECTS OF ANTI CANCER AGENT AND INCREASE TREATMENT COMPLIANCE OF PATIENT.

No. of Pages: 50 No. of Claims: 27

(21) Application No.2720/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: THIN FILM SOLAR CELL GRATING

<ul><li>(51) International classification</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>	:H01L :101135030 :25/09/2012 :Taiwan :NA	,
Filing Date	:NA	1)HU, DE-CHENG
(87) International Publication No	: NA	2)CHANG MU-TIEN
(61) Patent of Addition to Application Number	:NA	3)TSAI, CHAO-CHIEH
Filing Date	:NA	4)HSIAO, CHIH-HUNG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed is a thin film solar cell gating. The thin film solar cell grating comprises of two thin film solar cell modules or two transparent back plates and a thin film solar cell inodule. Thin film solar cells generate electricity based on the photo-electricity effect. The grating pattern is formed by using a laser to remove fixed-width, parallel stripes out of the thin film sglar cell module. Afterward, two laser-processed thin film solar modules are back-to-back attached together, or a thin film solar cell module is placed over one side of a transparent back plates or between two transparent back plates to form the thin film solar cell grating. Furthermore, an outer frame can be added to the thin film solar cell grating to fasten the thin film solar cell modules and the transparent back plates. In addition to electricity generation, the thin film solar cell grating is visually transparent to an object with a relative velocity orthogonal to the direction of the thin film solar cell gratin\$ and greater than a fixed value.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: ANTIBODIES DIRECTED AGAINST SIGNAL PEPTIDES METHODS AND USES THEREOF

(51) International classification :G01N33/574,G01N33/569 (71)Name of Applicant : (31) Priority Document No :61/535017

:NA

(32) Priority Date :15/09/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/IL2012/050365 Filing Date :13/09/2012 (87) International Publication No :WO 2013/038412

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

1)VAXIL BIO THERAPEUTICS LTD.

Address of Applicant : Building 13A Weizmann Science Park

7403617 Nes Ziona Israel (72)Name of Inventor: 1)CARMON Lior 2)KOVJAZIN Riva

(57) Abstract:

Filing Date

The invention concerns methods employing antibodies directed against the signal peptide (SP) domain of various disease associated polypeptides. These anti SP antibodies are capable of detecting cell surface expression of these SP domains and therefore they can be used in methods of diagnosis and/or therapy. In one aspect the invention provides a method for determining the suitability for treatment of a subject suffering from a disease whereby detection of cell surface expression of a specific SP indicates that the subject would benefit from therapy directed against this SP. The invention is specifically exemplified with antibodies directed against the signal peptide of MUCl which is expressed on the surface of various cancer cells and with signal peptide domains of Mycobacterium tuberculosis. In other aspects the invention provides methods for diagnosis of disease based on the detection of endogenously produced anti SP antibodies.

No. of Pages: 83 No. of Claims: 50

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF MANUFACTURING POROUS GLASS DEPOSITION BODY FOR OPTICAL FIBER

(51) International classification	:C03B	(71)Name of Applicant:
(31) Priority Document No	:2012- 209297	1)Shin-Etsu Chemical Co., Ltd. Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku,
(32) Priority Date	:24/09/2012	Tokyo 100-0004, Japan.
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yuhei URATA
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:

To provide a method for manufacturing a porous glass deposition body for optical fiber without causing deposition unevenness or decreasing the yield, provided is a method of manufacturing a porous glass deposition body by blowing glass fine particles generated from a plurality of burners for glass fine particle synthesis onto a starting member that is moved vertically and rotated on a rotational axis that is a central axis of the starting member. The burners are arranged such that the central axis of each burner shares a plane with the rotational axis of the starting member, and at least two of the planes in which the central axis of one of the burners and the rotational axis of the starting member are arranged form a prescribed angle.

No. of Pages: 17 No. of Claims: 6

(21) Application No.2721/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: GAS DIFFUSION ELECTRODE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	1 :C25B11/03,C25C7/02,H01M4/86 :61/535057 :15/09/2011 :U.S.A.	(71)Name of Applicant:  1)INDUSTRIE DE NORA S.p.A.  Address of Applicant: Via Bistolfi 35 I 20134 Milano Italy (72)Name of Inventor:
(86) International Application No Filing Date (87) International Publication	:PCT/EP2012/067974 :13/09/2012	1)GULL Andrea Francesco 2)KRASOVIC Julia Lynne
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:WO 2013/037902 :NA :NA	
Number Filing Date	:NA	

# (57) Abstract:

The invention relates to a gas diffusion electrode provided with a sintered and cast gas diffusion layer having a high elastic modulus. The electrode is useful as hydrogen consuming anode or oxygen consuming cathode of depolarised electrolytic cells such as electrowinning chlor alkali or electrodialysis cells.

No. of Pages: 13 No. of Claims: 14

(21) Application No.2672/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: BIS IMINE PYRIDINE COMPLEX OF LANTHANIDES CATALYTIC SYSTEM COMPRISING SAID BIS IMINE PYRIDINE COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES

(51) International :C08F4/68,C08F36/04,C08F136/06 classification

(31) Priority Document No :MI2011A001651 :14/09/2011 (32) Priority Date

(33) Name of priority country: Italy

(86) International Application

No

:PCT/EP2012/067992 :13/09/2012

:WO 2013/037913

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

(71)Name of Applicant: 1)VERSALIS S.P.A.

Address of Applicant: Piazza Boldrini 1 San Donato Milanese

I 20097 Milano Italy (72)Name of Inventor: 1)RICCI Giovanni 2)SOMMAZZI Anna 3)LEONE Giuseppe 4)BOGLIA Aldo

> 5)MASI Francesco 6)CALDARARO Maria

## (57) Abstract:

A bis imine pyridine complex of lanthanides having general formula (I): Said bis imine pyridine complex of lanthanides having general formula (I) can be advantageously used in a catalytic system for the (co)polymerization of conjugated dienes.

No. of Pages: 94 No. of Claims: 12

(22) Date of filing of Application :03/04/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: VEHICLE DRIVING SUPPORT SYSTEM

(51) International :B60W30/08,B60W10/18,B60W10/20 classification (31) Priority Document No: NA

(32) Priority Date :NA (33) Name of priority :NA country

(86) International :PCT/JP2011/072764

Application No :03/10/2011 Filing Date

(87) International

:WO 2013/051082 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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

(72)Name of Inventor:

1)MATSUBARA Toshiyuki

2)IGARASHI Shinji

3)AKIYAMA Tomonori

# (57) Abstract:

The purpose of the present invention is to provide in a vehicle driving support system that provides support to avoid collisions between the vehicle and obstructing three dimensional objects a technique making it possible to avoid support that would guide the vehicle into areas where the presence or absence of three dimensional objects is unclear. In order to solve this problem a grid map is created enabling identification of avoidance areas where three dimensional objects are present unclear areas where the presence of three dimensional objects is unclear and safe areas where no three dimensional objects are present and if there are avoidance areas on the road where the vehicle is travelling a path is specified by which said avoidance areas may be avoided and in which the distance passing through unclear areas is less than or equal to a threshold value and the steering angle is controlled to allow the vehicle to travel along the specified path.

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

(22) Date of filing of Application :10/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: EXCIPIENT SYSTEM FOR TOPICAL DELIVERY OF PHARMACEUTICAL AGENTS

	BS INC. ant:804 APPALOOSA LANE, H DAKOTA 57783-9445, UNITED CA U.S.A. r: KHILL
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#### (57) Abstract:

The subject invention is based upon the discovery that a wide variety of pharmaceutical agents can be delivered into the skin, fingernails, and toenails of patients by dissolving or dispersing the pharmaceutical agent in a solvent system which is comprised of a combination of an alkyl lactate and Simmondsia chinesis seed oil. It is critical for the . solvent system to contain both the alkyl lactate and Simmondsia chinesis seed oil to attain 10 penetration through skin, fingernails and toenails. In other words, for effective delivery of the pharmaceutical agent through the skin or nail it is critical for the pharmaceutical agent to be dissolved or dispersed in a mixture of an alkyl lactate and Simmondsia chinesis seed oil. The subject invention more specifically discloses a pharmaceutical serum which is ly comprised of (1) an alkyl lactate, wherein the alkyl group in the alkyl lactate contains from 2 15 to about 12 carbon atoms, (2) Simmondsia chinesis seed oil, and (3) a pharmaceutical agent. Some representative examples of pharmaceutical agent which can be incorporated into the pharmaceutical serums of this invention include, antifungal agents, hormones, growth factors (cytokines), antimicrobials, antibacterials, antibiotics, non-steroidal antiinflammatory agents, immunodilators, anesthetics, plant extracts, vitamins, corticosteroids, 20 hair growth stimulants, and the like.

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

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: FRONT PILLAR UPPER STRUCTURE OF VEHICLE

(51) International classification	:B62D	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION
(31) Thomas Document No	271329	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:12/12/2012	Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIRATA, Takuya
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:

To provide a front pillar upper structure in which a front pillar includes three components: a front pillar inner panel, a side body outer panel, and a reinforcement member to reduce a weight, a vertical crush of a closed section, and causes of roof vibration. [Solution] A front pillar upper structure of a vehicle, in which a front pillar inner panel and a front pillar portion of a side body outer panel form a closed section, a reinforcement member for inner partition is provided in the closed section to constitute a front pillar of the vehicle, an upper side of the front pillar 5 is joined to a roof panel, and opposite ends of a roof front member provided in a vehicle width direction on a front lower surface of the roof panel are joined to upper inner side surfaces of the left and right front pillars, wherein three upper flanges: an upper flange 6a of the front pillar inner panel 6, an upper flange 7a of the front pillar portion 9a of the side body outer panel 9, and an upper flange 8a of the reinforcement member 8 are welded and coupled, and three lower flanges: a lower flange 8b of the front pillar inner panel 6, a lower flange 7b of the front pillar portion 9a of the side body outer panel 9, and a lower flange 8b of the reinforcement member 8 are welded and coupled to form closed sections \$1, \$2, and a vertical-wall-like planar portion 6c is formed on an indoor side of the front pillar inner panel 6 so as to have a linear section on front view between a coupled portion of the upper flange and a coupled portion of the lower flange.

No. of Pages: 21 No. of Claims: 4

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CATALYST FOR PREPARING VINYL CHLORIDE PREPARATION METHOD THEREFOR AND USE THEREOF

(51) International classification	a:B01J27/18,B01J23/02,C07C21/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHANGHAI ADVANCED RESEARCH INSTITUTE
(32) Priority Date	:NA	CHINESE ACADEMY OF SCIENCE
(33) Name of priority country	:NA	Address of Applicant :No. 99 Haike Road Zhangjiang Hi tech
(86) International Application No Filing Date	:PCT/CN2011/081317 :26/10/2011	Park Pudong Shanghai 201203 China 2)ZHONGKE YIGONG (XIAMEN) CHEMICAL TECHNOLOGY CO. LTD.
(87) International Publication No	:WO 2013/059998	(72)Name of Inventor: 1)JIANG Biao
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)ZHONG Jinguang
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A catalyst for preparing vinyl chloride a preparation method therefor and the use thereof. The catalyst for preparing vinyl chloride consists of activated carbon as a support and a compound supported with barium and a phosphorous compound with the compounds of barium and phosphor making up 0.2% 20% and 0% 10% by mass percentage respectively based on the total mass of the catalyst. A water soluble barium compound and a water soluble phosphorous compound and an aqueous polymeric monomer are formulated into a solution or emulsion A by adding water; the activated carbon is added into the solution or emulsion A for immersion; the immersed activated carbon is taken out and spin dried and then the monomer is polymerised; the polymerised activated carbon is heated and dewatered to decompose and carbonise the polymer; and the carbonised catalyst is activated to obtain the catalyst for preparing vinyl chloride.

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

(22) Date of filing of Application :11/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR DETERMINING QUALITY OF TUBES

(51) International classification	:G01H	(71)Name of Applicant:
(31) Priority Document No	:61/700,750	· · · · · · · · · · · · · · · · · · ·
(32) Priority Date	:13/09/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:U.S.A.	BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ALLEN, MATTHEW DAVID
(87) International Publication No	: NA	2)FERRY, ALLAN G.
(61) Patent of Addition to Application Number	:NA	3)KONOPACKI, RONALD FRANCIS
Filing Date	:NA	4)CROCKER, ROBERT FRANCIS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and Svstem for DetermininO uality of Tubes i Disclosed herein is a system having an optically transparent substrate having a first side I I and a second side that are opposed to each other, a microprocessor, a database, a camera I I disposed upon the first side of the optically transparent substrate and a source of illumination. I I The source of illumination is disposed in a ring around the camera on the first side and is I i operative to illuminate the object disposed on the second side of the optically transparent I I substrate. Further the camera is in operative communication with the microprocessor and the 1 1 database. The camera is operative to capture an image of an object disposed upon the second side I of the optically transparent substrate. The microprocessor is operative to calculate dimensions I and geometry of the object from the image and facilitate acceptance or rejection of the object based upon a standard, a parameter or a calibration chart.

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

(21) Application No.2680/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MOTION ENERGY COLLECTION 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>	:13/199620 :06/09/2011 :U.S.A. :PCT/US2012/000360 :18/08/2012 :WO 2013/036276 :NA :NA	(71)Name of Applicant:  1)GROSSI Thomas Ralph Address of Applicant: 2135 Wheeler Street North Dighton MA 02764 U.S.A. (72)Name of Inventor: 1)GROSSI Thomas Ralph
Filing Date	:NA	

#### (57) Abstract:

An improved energy collection device is disclosed comprising a base a first shaft rotatable about an axis a second shaft fixedly mounted to the base rotatably adapted around the first shaft defining spring housing. A spring is contained within the spring housing of the second shaft attached at a first end to the first shaft and at a second end to the second shaft. A winder is attached to the base connected to the energy source which rotates the winder and is connected at a second point to the second shaft which is rotated by the winder tightening the second end of the spring to a designed point then unwinding the first end of the spring rotating the first shaft while continuing to wind the second spring end A generator is connected to the end of the first shaft generating electricity as the first shaft is rotated

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

(19) INDIA

(22) Date of filing of Application :05/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TARGETED LIPOSOMES IN CANCER THERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:10/09/2012 :WO 2013/036931 :NA	(71)Name of Applicant:  1)WESTERN UNIVERSITY OF HEALTH SCIENCES Address of Applicant: 398 E. Second Street Pomona CA 91766 U.S.A. (72)Name of Inventor: 1)LAMBROS Maria Polikandritou 2)HUANG Ying
(61) Patent of Addition to Application	:NA :NA	,
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2731/DELNP/2014 A

### (57) Abstract:

The invention provides pharmaceutical compositions containing a vehicle for the targeted delivery of therapeutic and diagnostic agents for the treatment of hyperproliferative diseases. The targeting component of the vehicle is a cystine molecule that is coupled to the cargo component which can be either a therapeutic or diagnostic agent or to a nanoparticle composition that contains the therapeutic agent or diagnostic. The invention also provides methods of treating hyperproliferative disorders by targeting hyperproliferative disease cells for the targeted delivery of a therapeutic or diagnostic agent.

No. of Pages: 70 No. of Claims: 11

(19) INDIA

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

(21) Application No.2681/DELNP/2014 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: DEVICE AND METHOD FOR SEPARATING OFF WATER AND RECOVERING A CARBOXYLIC ACID FROM REACTOR DISCHARGE DURING AN AROMATIC COMPOUND OXIDATION REACTION USING ENERGY DONATING COUPLED DISTILLATION

(51) International :C07C51/46,C07C53/08,C07B63/00

classification

(31) Priority Document No :1020110092727 (32) Priority Date :15/09/2011

(33) Name of priority country: Republic of Korea (86) International Application :PCT/KR2012/003883

:17/05/2012 Filing Date

(87) International Publication :WO 2013/039288

(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)AMTPACIFIC CO. LTD

Address of Applicant:1st Floor Hanaro Bldg. 194 4 Insa dong

Jongno gu Seoul 110 794 Republic of Korea

(72)Name of Inventor: 1)KANG Ki Joon

#### (57) Abstract:

The present invention relates to a method for separating off reaction product water from reactor discharge during the oxidation of an aromatic compound and for recovering a carboxylic acid used as a solvent within the reactor and more specifically relates to a method for separating off reaction product water from reactor discharge during the oxidation of an aromatic compound and for recovering a carboxylic acid used as a solvent within the reactor wherein during the oxidation of the aromatic compound the discharge from the reactor is led into two or more dewatering towers having different operating pressures such that the condenser of one of the dewatering towers acts as the reboiler of another dewatering tower thereby markedly reducing energy use.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : INITIAL HYDROTREATING OF NAPHTHENES WITH SUBSEQUENT HIGH TEMPERATURE REFORMING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:13/09/2012 :WO 2013/089850 :NA :NA	(71)Name of Applicant:  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)MOSER Mark D.  2)WEGERER David A.  3)SERBAN Manuela  4)VANDEN BUSSCHE Kurt M.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A process for the production of aromatics through the reforming of a hydrocarbon stream is presented. The process utilizes the differences in properties of components within the hydrocarbon stream to increase the energy efficiency. The differences in the reactions of different hydrocarbon components in the conversion to aromatics allows for different treatments of the different components to reduce the energy used in reforming process.

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

(22) Date of filing of Application :11/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DOT IMPACT PRINTER AND CONTROL METHOD THEREFOR

(51) Intermedia and alterior	.D411	(71)NJ
(51) International classification	:B41J	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SEIKO EPSON CORPORATION
(31) Thomas Bocument 140	210461	Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME,
(32) Priority Date	:25/09/2012	SHINJUKU-KU, TOKYO 163 - 0811, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)USHIYAMA, YOSHIKI
Filing Date	:NA	2)YAMADA, TAKEFUMI
(87) 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 ink ribbon catching on recording wires due to magnetic interference between head coils is prevented. The control unit of a dot impact printer sequentially inspects each of 24 recording wires from the first to the last row of print data (dot line data) for one line to detect if a zigzag pattern C is to be printed. A special bit image A is detected when there are 12 or more rows where two or more recording wires print a zigzag pattern C at at least one of two consecutive dotpositions. Adrive mode that sets alowheadcoildrive frequency f is then selected and the printing speed is reduced.

No. of Pages: 47 No. of Claims: 14

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

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SEQUENTIAL HYDROTHERMAL LIQUIFACTION (SEQHTL) FOR EXTRACTION OF SUPERIOR BIO OIL AND OTHER ORGANIC COMPOUNDS FROM OLEAGINOUS BIOMASS

<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>	:C08B37/00,C10G3/00,C10L1/02 :61/550800 :24/10/2011 :U.S.A.	(71)Name of Applicant:  1)WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION  Address of Applicant: 1610 NE Eastgate Boulevard Suite 650
(86) International Application No Filing Date (87) International Publication No	:PCT/US2012/061648 :24/10/2012 :WO 2013/063085	Pullman WA 99163 U.S.A. (72)Name of Inventor:  1)CHEN Shulin 2)CHAKRABORTY Moumita 3)CHAO Miao
(61) Patent of Addition to Application Number Filing Date	:NA :NA	0,022.20 1.240
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Methods of producing bio fuel and other high value products from oleaginous biomass (e.g. algae biomass) are provided. The two step methods use a first step of subcritical water extraction of the biomass at low temperatures to produce polysaccharides and other high value products of interest followed by ii) hydrothermal liquefaction of remaining solid biomass at high temperatures to produce bio oil.

No. of Pages: 36 No. of Claims: 23

(21) Application No.2738/DEL/2013 A

(19) INDIA

(22) Date of filing of Application: 17/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: TEXTILE MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B65H, :2012- 254374 :20/11/2012 :Japan :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.  Address of Applicant: 3, MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326 JAPAN (72)Name of Inventor:  1)TOSHINARI UMEOKA 2)KENJI KAWAMOTO
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#### (57) Abstract:

An automatic winder includes a bobbin holding section, a 5 stepping motor, a drive control section, a magnet sensor, and a number-of-pulse counting section. The bobbin holding section holds a yarn supplying bobbin. The drive control section drives the steppingmotorbyanamountcorrespondingtoaspecifiedcommandvalue (number of pulses) to move the bobbin holding section. The magnet 10 sensor specifies an origin position, which is the reference position of the bobbin holding section. The number-of-pulse counting section obtains the command value (number of pulses) necessary for moving the bobbin holding section from the origin position to a target position as an actual measurement command value. 15

No. of Pages: 43 No. of Claims: 18

(21) Application No.2676/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

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

(51) International classification	:H01F7/16,H02K33/16	(71)Name of Applicant:
(31) Priority Document No	:A 1260/2011	1)SEH LIMITED
(32) Priority Date	:05/09/2011	Address of Applicant :Suite 1 Level 2 TG Complex Brewery
(33) Name of priority country	:Austria	Street 3000 Mriehel BKR Malta
(86) International Application No	:PCT/EP2012/063713	(72)Name of Inventor:
Filing Date	:12/07/2012	1)HEIN Jrmy
(87) International Publication No	:WO 2013/034339	2)MARSCHNER VON HELMREICH Martin
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a magnet device comprising at least one stator  $(1\ 1)$  and at least one translator (2) which is movable relative to the stator  $(1\ 1)$  in a direction of movement of the translator (6) the direction of movement of the translator (6) being oriented toward the stator  $(1\ 1)$  wherein the at least one stator  $(1\ 1)$  and the translator (2) are aligned along an axis. The magnet device has a control device which comprises a device for controlling a distance r > 0 (r is greater than zero) of the translator in relation to the stator during operation of the magnet device with respect to the force conditions created between stator and translator. The translator (2) can be moved in the direction of movement of the translator (6) relative to the stator  $(1\ 1)$  along a linearly extending movement axis of the translator the at least one stator  $(1\ 1)$  and the translator (2) being aligned along the movement axis of the translator.

No. of Pages: 61 No. of Claims: 12

(22) Date of filing of Application :05/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MEASUREMENT METHOD COMPUTER PROGRAM AND MEASUREMENT SYSTEM

(51) International classification :G09G5/00,G01J3/46,G09F9/00 (71)Name of Applicant : (31) Priority Document No 1)EIZO Corporation :2011202101 (32) Priority Date Address of Applicant: 153 Shimokashiwano machi Hakusan :15/09/2011 shi Ishikawa 9248566 Japan (33) Name of priority country :Japan (72)Name of Inventor: (86) International Application No :PCT/JP2012/070299 1)NAGASHIMA Kensuke Filing Date :09/08/2012 (87) International Publication No :WO 2013/038852 2)KAWAKAMI Takafumi (61) Patent of Addition to 3) DEYAMA Atsuyoshi :NA **Application Number** 4)YONEMITSU Junro :NA

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

Filing Date

#### (57) Abstract:

Provided are a method for measuring display light intensity a computer program and a measurement system whereby color expression can be generically measured without regard to the specifications of the display device. A measurement device (1) connected to an optical sensor (2) is capable of communicating with a display device (information terminal device (3)) that is the object of measurement and transmits content including a color patch to the display device to cause the content to be displayed and performs measurement using the optical sensor (2) during display. In order to perform measurements using numerous color patches the measurement device (1) repeats a process whereby when the measurement performed during display of one color patch is completed content including another color patch is transmitted to and displayed on the display device and measurement is performed during display.

No. of Pages: 49 No. of Claims: 16

(21) Application No.2735/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: RECHARGEABLE AND RESTERILIZABLE MIXING DEVICE WITH PHYSIOLOGICAL GAS AND SOLUTION TO CREATE FOAM WITH MICROBUBBLES USED IN ENDOVASCULAR TREATMENTS.

#### (57) Abstract:

This patent application describes a rechargeable resterilizable portable and easy handling mixer (1) to create foam with microbubbles using physiological gases currently used in sclerotherapeutic treatments of varicose veins. It may be used to create foam for other therapeutic purposes by endovascular means. This reservoir has anatomical and compact dimensions and is built with material resistant to sterilization and pressure designed to be used in treatments provided in regular medical appointments at clinical or hospital centers.

No. of Pages: 25 No. of Claims: 2

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A CONTACT CARRIER UNIT FOR AN ELECTRICAL CONNECTION SOCKET OR PLUG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>		(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant: 35 RUE JOSEPH MONIER, F-92506 RUEIL-MALMAISON, FRANCE (72)Name of Inventor: 1)CARENINI GIUSEPPE 2)MARCHESI DIEGO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A contact carrier unit for an electrical connection socket or plug 5 A contact carrier unit for an electrical connection socket or plug includes corresponding levers (24) for guiding and locking respective conductors. The levers are pivoted in axial planes so as to carry a respective conductor between a pair of contact blades (15, 16) whose facing edges (18, 19) extend in radial directions. Along the edges of the facing blades there are formed two electrical connection seats (20, 21), of which one seat is wider 10 to receive a thicker conductor and the other seat is narrower to receive a thinner conductor. Each lever (24) has two retaining elements (25, 26) for selectively retaining a conductor (C1 or C2) to be electrically connected to a pair of blades. The retaining elements of each lever are located in positions at different radial distances from the axis (x) such that they can be aligned with the two electrical connection seats of a pair of blades in the vicinity of 15 the lever.

No. of Pages: 16 No. of Claims: 12

(22) Date of filing of Application :27/08/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : TEXTURING OF MONOCRYSTALLINE SEMICONDUCTOR SUBSTRATES TO REDUCE INCIDENT LIGHT REFLECTANCE

(51) International classification (31) Priority Document No	:H01N :13/597,244	l '
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:29/08/2012 :U.S.A.	Address of Applicant :445 FOREST STREET, MARLBOROUGH, MASSACHUSETTS UNITED STATES OF
(86) International Application No Filing Date	:NA :NA	AMERICA U.S.A. (72)Name of Inventor:
(87) International Publication No	: NA	1)MICHAEL P. TOBEN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)ROBERT K. BARR 3)COREY O'CONNOR
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Monocrystalline semiconductor substrates are textured with alkaline solutions to form pyramid structures on their surfaces to reduce incident light reflectance and improve light absorption of the wafers. The alkaline baths include hydantoin compounds and derivatives thereof in combination with alkoxylated glycols to inhibit the formation of flat areas between pyramid structures to improve the light absorption.

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

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A SEALING ARRANGEMENT FOR A ROTATING 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 Number</li> </ul>	:F17C :13/645,181 :04/10/2012 :U.S.A. :NA :NA : NA : NA	·
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a sealing system, in particular for sealing pump shafts of vertically arranged pumps for conveying for example liquefied natural gas (LNG) or other cryogenic fluids below -80°C. The sealing system has a mechanical seal arrangement (27) which is flowed through by a barrier fluid at a barrier fluid pressure. The mechanical seal 10 arrangement (27) prevents an exiting of a sealing fluid from a sealing chamber (20), wherein the barrier fluid pressure is higher than a sealing fluid in the sealing chamber (20). To allow a sealing system which on be manufactured inexpensively and is 15 particularly simple to handle, it is proposed in accordance with the invention that a piston rod (44) of a barrier fluid pressure device (33) required for the setting of the barrier fluid pressure is arranged at least partly outside a cylinder (34). The cylinder (34) can thus be made short and thus light weight and inexpensively.

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

(21) Application No.2599/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR BAY TYPICAL BASED IEC 61850 ENGINEERING AND INTERGRATION

(51) International classification	:G058	(71)Name of Applicant:
(31) Priority Document No	:EP 12006303.7	1)ABB TECHNOLOGY AG Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
(32) Priority Date	:07/09/2012	ZURICH, SWITZERLAND
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor : 1)LARS LIBUDA
(86) International Application No	:NA	2)HORST BUKER
Filing Date	:NA	3)PETER ERNING
(87) 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 refers to a method and a system for bay typical based IEC 61850 engineering and integration to be used in an automation plant, which distributes functional parts of each bay typical (120) across tools (31, 32, 33, 34) by using unique identifiers (UI), whereas an identification of a tools specific functional part of a bay typical (120) is based on the unique identifier (UI).

No. of Pages: 27 No. of Claims: 11

(22) Date of filing of Application :09/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: REMOTE ARC DISCHARGE PLASMA ASSISTED PROCESSES

(51) International classification (31) Priority Document No	:H01J :13/617,005	7
(32) Priority Date (33) Name of priority country	:14/09/2012 :U.S.A.	Address of Applicant :6400 DRY CREEK PARKWAY, LONGMONT, COLORADO 80503 USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GOROKHOVSKY, VLADIMIR
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)GRANT, WILLIAM 3)TAYLOR, EDWARD W.
Filing Date	:NA	4)HUMENIK, DAVID
(62) Divisional to Application Number	:NA	5)BRONDUM, KLAUS
Filing Date	:NA	

## (57) Abstract:

A coating system includes a vacuum chamber and a coating assembly positioned within the vacuum chamber. The coating assembly includes a vapor source that provides material to be coated onto a substrate, a substrate holder to hold substrates to be coated such that the substrates are positioned in front of the vapor source, a cathode chamber assembly, and a remote anode. The cathode chamber assembly includes a cathode, an optional primary anode and , a shield which isolates the cathode from the vacuum chamber. The shield defines openings for transmitting an electron emission current from the cathode into the vacuum chamber. The vapor source is positioned between the cathode and the remote anode while the remote anode is coupled to the cathode. The coating system also includes a primary power supply connected between the cathode and the primary anode and a secondary power supply connected between the cathode chamber assembly and the remote anode. A method using the coating system is also provided.

No. of Pages: 53 No. of Claims: 36

(22) Date of filing of Application :18/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IC CARD, PORTABLE ELECTRONIC DEVICE AND READER/WRITER

<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>	:G06K :2012- 207914 :21/09/2012 :Japan	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1-1, SHIBAURA 1-CHOME,  MINATO-KU, TOKYO, JAPAN  (72)Name of Inventor:
(86) International Application No	:NA	1)KEISUKE UCHIDA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An IC card of an embodiment is provided with a receiver to receive a first command transmitted from an external device, a determining processor to determine whether or not the first command is a switching request command to request switching the IC card from a passive mode to an active mode, a switching processor to switch oneself from the passive mode to the active mode, when the first command is the switching request command, an identification information acquiring processor to acquire identification information of other IC card existing in a communicable range of the external device from the switching request command, a command generating processor to generate a second command which includes the identification information acquired by the identification information acquiring processor so as to make the other IC card execute processing, and a command transmitter to transmit the second command to the other IC card.

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

(12) THIENT THE EXTREM TO BEIGHTIC

(21) Application No.2483/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: RING LASER GYRO

(51) I	G01.G	(71)
(51) International classification	:G01C	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)JAPAN AVIATION ELECTRONICS INDUSTRY,
(51) Thomas Document No	199671	LIMITED
(32) Priority Date	:11/09/2012	Address of Applicant :21-2, DOGENZAKA 1-CHOME,
(33) Name of priority country	:Japan	SHIBUYA-KU, TOKYO 150-0043, JAPAN.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)IIZUKA KEI
(87) International Publication No	: NA	2)YOSHIOKA KAZUNORI
(61) Patent of Addition to Application Number	:NA	3)YAMAMOTO NAOKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A ring laser gyro with no piezoelectric elements for dither detection includes a laser beam receiving unit 60 for receiving a laser beam taken out of a gyro block 11, a laser beam intensity measuring unit 70 for measuring the intensity of the laser beam received by the laser beam receiving unit 60, a dither mechanism 31, a dither control unit 80 for driving the dither mechanism 31, and a gyro case 50 housing the gyro block 11, wherein the laser beam receiving unit 60 is secured to the gyro case 50, the laser beam receiving unit 60 has a laser beam receiving surface 61 for receiving the laser beam from the gyro block 11 to detect a laser beam receiving position on the laser beam receiving surface 61 and output positional information indicating the laser beam receiving position. The dither control unit 80 drives the dither mechanism 31 on the basis of information indicating the amplitude of the laser beam receiving position obtained from the positional information.

No. of Pages: 22 No. of Claims: 4

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS

(51) International classification :B60C1/00,B60C9/18,B60C9/20 (71)Name of Applicant : (31) Priority Document No 1) COMPAGNIE GENERALE DES ETABLISSEMENTS :1159243 (32) Priority Date :13/10/2011 MICHELIN (33) Name of priority country Address of Applicant :12 Cours Sablon F 63000 Clermont :France (86) International Application No: PCT/EP2012/070239 ferrand France Filing Date :12/10/2012 2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (87) International Publication No: WO 2013/053879 (72)Name of Inventor: (61) Patent of Addition to 1)DOMINGO Alain :NA **Application Number** 2)BESSON Jacques :NA Filing Date 3)BARBARIN Fran
§ois (62) Divisional to Application 4)SALLAZ Gilles :NA Number 5)RADULESCU Robert Ciprian :NA Filing Date

#### (57) Abstract:

The invention relates to a tyre comprising a crown reinforcement formed of at least two working crown layers of reinforcing elements a first layer C of rubber compound being positioned between at least the ends of said at least two working crown layers and the crown reinforcement comprising at least one layer of metal circumferential reinforcing elements. According to the invention the elastic modulus at 10% tensile strain of the first layer C is less than 8 MPa and the maximum value of tan(d) denoted tan(d) max of the first layer C is less than 0.100.

No. of Pages: 42 No. of Claims: 18

(21) Application No.2708/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR PREPARING 17 SUBSTITUTED STEROIDS

(51) International classification	:C07J13/00,C07J43/00,C07J75/00	(71)Name of Applicant:
(31) Priority Document No	:11306310.1	1)ZACH SYSTEM
(32) Priority Date	:10/10/2011	Address of Applicant :Z.i La Croix Cadeau F 49240 Avrille
(33) Name of priority country	:EPO	France
(86) International Application	:PCT/EP2012/069937	(72)Name of Inventor:
No	:09/10/2012	1)DERRIEN Yvon
Filing Date	.09/10/2012	2)POIRIER Patricia
(87) International Publication	:WO 2013/053691	3)FORCATO Massimiliano
No	.WO 2015/055071	4)PINTUS Tony
(61) Patent of Addition to	:NA	5)COTARCA Livius
Application Number	:NA	6)MEUNIER Sbastien
Filing Date	.11/1	7)GRAINDORGE Laurence
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.1771	

# (57) Abstract:

The present invention relates to a process for the preparation of 17 substituted steroids and more particularly to an improved method of synthesizing abiraterone or derivatives thereof in high yield and purity by means of a key 3 formate intermediate.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: FIBER OPTIC CONNECTORS CABLE ASSEMBLIES AND METHOD FOR MAKING THE SAME

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PC Filing Date :25/	Address of Applicant :No. 255 Beihe Highway Building 8 First and Second Floors Jiading District Shanghai 201800 China (72)Name of Inventor : 1)SUN Jiwei  NA NA NA	
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#### (57) Abstract:

A fiber optic connector comprises a mechanical splice assembly (2) and a connector body (11) including a first portion (50) and a second portion (51). The first portion (50) includes a first chamber (501) and a second chamber (502) along the elongate direction and an opening (503) on its front end that passes through the first chamber (501) into the second chamber (502) along the elongate direction so that mechanical splice assembly (2) can be inserted through the first chamber (501) into the second chamber (502) using the opening (503). The second portion (51) includes a pair of cable retention arms (60a 60b) that extends out from the rear end of the first portion (50) and an opening (511) on its front end that passes into the second chamber (502). The first portion (50) is used for retaining the mechanical splice assembly (2) and the second portion (51) is used for retaining a fiber optic cable (100).

No. of Pages: 37 No. of Claims: 40

(22) Date of filing of Application :19/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : WING SHROUD FOR AN EARTH MOVING MACHINE BUCKET, BUCKET AN EARTH MOVING MACHINE

(51) International classification	:E02F	(71)Name of Applicant:
(31) Priority Document No	:12 006 636.0	1)LIEBHERR-MINING EQUIPMENT COLMAR SAS Address of Applicant :49, rue Frdric Hartmann, 68025 Colmar
(32) Priority Date		cedex, France.
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)Martial Vicq
Filing Date	:NA	2)Grard Weber
(87) International Publication No	: NA	3)Oliver Weiss
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention refers to a wing shroud for an earth moving machine bucket adapted to be positioned at least partially on a tooth adapter and/or at least partially on a lateral plate of the bucket for protecting wear sensitive bucket parts wherein the wing shroud comprises at least one self-lock mechanism for a detachable connection to the bucket.

No. of Pages: 17 No. of Claims: 12

(21) Application No.2706/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CONNECTOR

(51) International classification	:H01R13/52,H01R43/24	(71)Name of Applicant:
(31) Priority Document No	:2011197736	1)SUMITOMO WIRING SYSTEMS LTD.
(32) Priority Date	:10/09/2011	Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi
(33) Name of priority country	:Japan	Mie 5108503 Japan
(86) International Application No	:PCT/JP2012/059676	(72)Name of Inventor:
Filing Date	:09/04/2012	1)SAKAKURA Emi
(87) International Publication No	:WO 2013/035369	
(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 achieves sink mark prevention and discharge of water within a hood part. A synthetic resin housing (10) has a hood part (17) that extends forward from a terminal holding part (11) and a guide wall part (19) in which a guide recessed part (15) is formed on the back end part of an inside surface in the terminal holding part (11). In the housing (10) a die cut pathway (20) is formed in the front to back direction from die cut recessed parts (21) with a form that recesses a region in front of a region corresponding to the guide recessed part (15) of the outer surface of the guide wall part (19) and die cut holes (22) with a form that passes through to the die cut recessed parts (21) and passes through a back surface wall (18).

No. of Pages: 24 No. of Claims: 2

(22) Date of filing of Application :19/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IC CARD, PORTABLE ELECTRONIC DEVICE AND READER/WRITER

<ul><li>(51) International classification</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>	:G06K :2012- 207797 :21/09/2012 :Japan :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant:1-1, SHIBAURA 1-CHOME,  MINATO-KU, TOKYO, JAPAN  (72)Name of Inventor:  1)KIYOHITO SUDO
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

An IC card of an embodiment performs contactless communication with an external device having a first battery and a first carrier wave output device to output carrier wave using electric power of the first battery. The IC card is provided with a second battery, a second carrier wave output device, a battery remaining capacity reading processor and a comparing processor. The second carrier wave output device outputs carrier wave using electric power of the second battery, to supply electric power to the external device. The battery remaining capacity reading processor acquires information indicating a remaining capacity of the first battery. The comparing processor compares the remaining capacity of the first battery with of a remaining capacity of the second battery.

No. of Pages: 39 No. of Claims: 11

(22) Date of filing of Application: 19/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SHAPE MEMORY ALLOY MOUNTING COLLET WITH GROOVED GEMSTONE

(51) International classification (31) Priority Document No	:A44C :2,790,467	(71)Name of Applicant: 1)BOTHA MICHIEL J.
(32) Priority Date (33) Name of priority country	:20/09/2012 :Canada	Address of Applicant :1203 CENTRAL AVE., PRINCE ALBERT, SASKATCHEWAN S6V 4V9, CANADA
(86) International Application No	:NA	2)DOUGLAS IAN BARRY
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor: 1)BOTHA, MICHIEL J.
(61) Patent of Addition to Application Number	. NA :NA	2)DOUGLAS, IAN BARRY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A jewelry article comprising: a gemstone and a shape memory alloy collet. The gemstone comprises a girdle dividing the gemstone into a pavilion and a crown having a table surface; and a continuous groove located in the pavilion and parallel to the girdle, the continuous groove has a first surface and a second surface, the first surface is substantially parallel to the table surface, the first surface and the second surface of the groove form a first angle. The shape memory alloy collet has a mounting rim, the mounting rim has an inner surface and a top surface defining an opening of the shape memory alloy collet, the inner surface and the top surface form a second angle, the second angle corresponds substantially to the first angle, and a profile of the mounting rim corresponds substantially to a profile of the continuous groove.

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

(19) INDIA

(22) Date of filing of Application :19/09/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: SHOCK ABSORBER

(51) International classification	:G11B	(71)Name of Applicant:
(31) Priority Document No	:2012- 215416	1)HITACHI AUTOMOTIVE SYSTEMS, LTD. Address of Applicant: 2520 TAKABA, HITACHINAKA-SHI,
(32) Priority Date	:28/09/2012	IBARAKI-KEN, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASHIBA, 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	

(21) Application No.2762/DEL/2013 A

#### (57) Abstract:

A shock absorber includes an annular outer seat (59) protruding from a valve main body (33), an inner seat (57) protruding inward of the outer seat (59) of the valve main body (33), an intermediate seat (58) disposed between the outer seat (59) and the inner seat (57) of the valve main body (33) and protruding to surround an opening section of a passage (66), a first disk (75) having a larger diameter than the outer seat (59) and seated on the intermediate seat (58), a spring member (76) configured to press the first disk (75) toward the outer seat (59), a second disk (77) stacked on the first disk (75), and a communication unit (121) configured to bring the passage (66) in communication with a space between the intermediate seat (58) and the outer seat (59). The first disk (75) starts to be pressed by the spring member (76) to abut the outer seat (59) while abutting the inner seat (57) and the intermediate seat (58).

No. of Pages: 42 No. of Claims: 5

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :13/09/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention : SUTURE LEADER.

<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>	:A61B :13/623,290 :20/09/2012 :U.S.A.	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767, USA U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MEHMET Z. SENGUN
(87) International Publication No	: NA	2)DAVID B.SPENCINER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.2700/DEL/2013 A

## (57) Abstract:

(19) INDIA

Methods and devices are provided for securing tissue to bone. In general, a suture leader can have leading and trailing ends, and an inner passageway configured to receive a strand of suture therein. More specifically, the trailing end of the leader can be configured to receive the strand of suture therein to form an overlapping region of suture leader and suture. When the suture is positioned in the leader, an outer diameter of the leading end of the leader can be less than an outer diameter of the over lapping region. The leader can have a lower bending stiffness than the suture so that the leader can be more easily folded into a bend. In certain aspects, the suture leader can be formed from a substantially flexible, braided material so that the leader can be configured to contract when a pulling force is applied to the leader. In another embodiment, the suture leader can have a pre-formed crease configured to mate with a threading tool.

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

(21) Application No.2700/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MODIFIED RELEASE COATINGS FOR OPTICALLY CLEAR FILM

(51) International classification :B32B27/14,B32B7/06,G02B1/10 (71)Name of Applicant: (31) Priority Document No :61/568945 1) CPFILMS INC. (32) Priority Date :09/12/2011 Address of Applicant: 4210 The Great Road Fieldale VA (33) Name of priority country 24089 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/068269 1)ENNISS James P. No :06/12/2012 Filing Date (87) International Publication :WO 2013/086209 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

A modified silicone release coating suitable for use with clear polymer films that shows reduced adherence when the resultant liner is wound up into large rolls and the smooth soft surfaces are placed into contact with each other. The adherence is reduced by providing a release layer which has a sub micro rough top surface produced through the inclusion of a relatively small number of relatively large particles.

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

(21) Application No.2701/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: STEEL SHEET

(51) International

:C22C38/00,C22C38/28,C22C38/54

classification

(31) Priority Document No :2011234396 (32) Priority Date :25/10/2011

(33) Name of priority country: Japan (86) International Application :PCT/JP2012/066536

:28/06/2012

Filing Date

(87) International Publication :WO 2013/061652

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)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

1)MOROHOSHI Takashi

2)ARAMAKI Takashi 3)ZEZE Masafumi

(57) Abstract:

A steel sheet of which the contents which are expressed in mass% of elements in chemical components fulfill both the requirement represented by formula (1) and the requirement represented by formula (2) a Ti containing carbonitride is contained as an intercalated material and the number density of a portion of the Ti containing carbonitride which have a long side length of 5 um or longer is 3 particles/mm or less.  $0.3 = \frac{\text{Ca}}{40.88 + (\text{REM}/140)/2}}{(\text{S}/32.07)}$  (1) Ca = 0.005 0.0035—C (2)

No. of Pages: 57 No. of Claims: 5

(22) Date of filing of Application :13/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEMS, DEVICES AND METHODS FOR SECURING TISSUE USING HARD ANCHORS

(51) International classification	:A41D	(71)Name of Applicant :
(31) Priority Document No	:13/623,429	1)DEPUY MITEK, LLC
(32) Priority Date	:20/09/2012	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MEHMET ZIYA SENGUN
(87) 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 multi transformation broad temperature range phase change material/composition for body cooling device. The transition temperature of said phase change material ranges from 10 to 25 degree celsius while possess Latent heat ranging from 150 to 160kjkg. The phase material is thermally stable and is capable of bearing to more than 500 heating and cooling cycles. The Invention also provides a body temperature regulating garment and more particularly to a thermal garment system comprising said phase change material.

No. of Pages: 53 No. of Claims: 18

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: VACUUM ELECTRIC COOKER

(51) International classification	:A47J	(71)Name of Applicant :
(31) Priority Document No	:2012- 222634	1)TESCOM CO., LTD. Address of Applicant :2-19-3, EBISUMINAMI, SIBUYA-
(32) Priority Date	:05/10/2012	KU, TOKYO 150-0022, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ARAI RIE
Filing Date	:NA	2)TOKUSHIGE MARO
(87) International Publication No	: NA	3)TSUKUDA SACHIO
(61) Patent of Addition to Application Number	:NA	4)KAKUTA KENJI
Filing Date	:NA	5)MARUYAMA FUMIYASU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention has an object to provide a vacuum electric cooker including such a cover for a container as can be easily worked by an operator and as can minimize a stress to be applied to the container. [Solving Means] A vacuum electric cooker according to the present invention is characterized by comprising: a cooker body including a horizontal base and a stand section extending vertically upward from the rear edge of that horizontal base and having a motor mounted therein; a cooker container including a cooking tool therein adapted to be driven by said motor, and removably mounted on the horizontal base of said cooker body; a cover member having a discharge nozzle protruding outward for covering said cooker container; a connecting arm having a base end so attached to the vicinity of the upper end of said stand section as to rock in a vertical plane between a substantially horizontal active position and a substantially vertical inactive position; a connecting nozzle attached to the leading end of said connecting arm and connected airtightly to said discharge nozzle when said connecting arm is at the active position; holding means for holding the state, in which said connecting nozzle is hermetically connected to said discharge nozzle; a vacuum pump disposed in said cooker body; and an air tube connected at one end to said vacuum pump, extending therefrom within the stand section and the connecting arm and connected at the other end to said connecting nozzle.

No. of Pages: 42 No. of Claims: 14

(19) INDIA

04/2014 (43) Publication Date: 20/02/2015

(21) Application No.2665/DELNP/2014 A

(22) Date of filing of Application :03/04/2014

# (54) Title of the invention: DIAPHRAGM PRESSURE EXPANSION 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> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F24D3/10 :10 2011 113 028.8 :10/09/2011 :Germany :PCT/EP2012/067052 :03/09/2012 :WO 2013/034508 :NA :NA :NA	(71)Name of Applicant:  1)WINKELMANN SP. Z O.O.  Address of Applicant :ul. Jaworzynska 277 PL 59 220 Legnica Poland (72)Name of Inventor:  1)MLLER Frank 2)SCHMITZ Egon 3)NAL Besim
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#### (57) Abstract:

A diaphragm pressure expansion vessel (1) which is intended to be connected to a line system having two vessel parts (2 3) which are connected to one another in a pressure tight and fluid tight manner in a peripheral connecting region (4) wherein the closed vessel interior (10) which is formed by the two vessel parts (2 3) is separated into a water chamber (6) and a gas chamber by a diaphragm (5) wherein the water chamber (6) can be connected to the line system via a connection piece (7) wherein the diaphragm (5) is formed from an at least single layered plastic and is in the form of a bubble should be developed further such that the risk of fracture of the plastic diaphragm when subjected to loading during replacement is considerably reduced. This is achieved in that the gas chamber is formed by the diaphragm interior (9) and by the vessel interior (10) between that side of the diaphragm (5) which is averted from the water chamber (6) and the adjoining vessel part wherein that side of the diaphragm (5) which is averted from the water chamber (6) is provided with perforations.

No. of Pages: 12 No. of Claims: 7

(21) Application No.2718/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR OXIDIZING AN ALKYL AROMATIC COMPOUND

(51) International classification :C07C27/10,C07C29/48,C07C45/28

(31) Priority Document No :13/340166

(32) Priority Date :29/12/2011
(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/058532

No Filing Date :03/10/2012

(87) International Publication :WO 2013/101322

No (61) Patent of Addition to

Application Number
Filing Date

(2) Divisional to Application

:NA

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

(71)Name of Applicant:

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)BHATTACHARYYA Alakananda

2)WALENGA Joel T.

## (57) Abstract:

A process for oxidizing an alkyl aromatic compound to reduce the level of impurities is described. The solvent pH level controlled to reduce the impurities.

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

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR COOLING A HOVER-CAPABLE AIRCRAFT TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G06F :12425158.8 :28/09/2012 :EPO :NA :NA	,
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)ANDREA GABRIELLI

## (57) Abstract:

A system (7) for cooling a transmission (6) of a hover- 5 capable aircraft (1), the system having: a stator (3); a heat exchanger (8) connectable thermally to the transmission (6); a fan (9) for creating a current (P) of a first heat-carrying fluid from the heat exchanger (8) to the fan (9) itself, to remove heat from the heat 10 exchanger (8); a rotary member (10), which rotates about an axis (A) to rotate an impeller (20a) of the fan (9) about the axis (A); and a bearing (16) supporting the rotary member (10) for rotation about the axis (A); the system (7) also having cooling means for 15 cooling the bearing (16), and in turn having conducting means (40; 42, 41, 30, 29) for conducting a current (Q) of a second heat-carrying fluid along a path from an outside environment (50), external to the bearing (16), to and to cool the bearing (16) itself.

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

(19) INDIA

(22) Date of filing of Application :01/05/2014

(21) Application No.3526/DELNP/2014 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: SHEET METAL ROLLING DEVICE

(51) International

:B21B37/30,B21B31/02,B21C51/00

classification

(31) Priority Document No :2012-143465 (32) Priority Date :26/06/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/067406

Filing Date

:25/06/2013

(87) International Publication: WO 2014/003014

(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)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan

(72)Name of Inventor:

1) ISHII Atsushi

2)KASAI daisuke 3)OGAWA shigeru

4)KATO hiroki

5)OKABE Yuuto

TO PROVIDE A ROLLING DEVICE THAT CAN ACCURATELY DETECT FORCE IN THE ROLLING DIRECTION APPLIED TO A WORKING ROLL CHOCK. [SOLUTION] THIS SHEET METAL ROLLING DEVICE IS EQUIPPED WITH A VERTICAL PAIR OF WORKING ROLLS (1, 2) AND A VERTICAL PAIR OF REINFORCING ROLLS (3, 4). THE ROLLING DEVICE IS EQUIPPED WITH: A PAIR OF WORKING ROLL CHOCKS (5, 6) THAT HOLD THE WORKING ROLLS; A HOUSING (10) THAT HOLDS THE WORKING ROLL CHOCKS; AND LOAD DETECTING DEVICES (21-24) THAT DETECT THE LOAD IN THE DIRECTION OF ROLLING ACTING ON THE HOUSING :FROM THE WORKING ROLL CHOCKS AT BOTH THE ROLLING DIRECTION INCOMING SIDE AND THE ROLLING DIRECTION OUTGOING SIDE. THE LOAD DETECTION DEVICES ARE PROVIDED IN A MANNER SO AS TO FACE THE HOUSING WITH THE POWER POINT OF THE FORCE IN THE DIRECTION OF ROLLING OF THE WORKING ROLLS AS A BASELINE IN A MANNER SO TO BALANCE A ROTATIONAL MOMENT ARISING AT THE WORKING ROLL CHOCKS BY MEANS OF THE FORCE IN THE DIRECTION

OF ROLLING, AND A REVERSE-ROTATIONAL MOMENT RESULTING :FROM A REACTION FORCE TO THE

No. of Pages: 84 No. of Claims: 16

ROTATIONAL MOMENT.

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: TIME AND FREQUENCY SYNCHRONIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H04W56/00 :61/544190 :06/10/2011 :U.S.A. :PCT/IB2012/054835 :14/09/2012 :WO 2013/050895 :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)KOORAPATY Havish 2)CHENG Jung Fu 3)FRENNE Mattias 4)GUEY Jiann Ching 5)LARSSON Daniel
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#### (57) Abstract:

The scheduling flexibility of CSI reference signals enables time and frequency synchronization using multiple non zero CSI RSs transmitted in the same subframe or using CSI RSs transmitted in the same subframe with other synchronization signals. Also multiple synchronization signals may be scheduled in the same subframe to enable fine time and frequency synchronization without cell specific reference signals.

No. of Pages: 47 No. of Claims: 60

(21) Application No.2695/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

## (54) Title of the invention: BUILDING TOPOLOGY IN COMMUNICATIONS NETWORKS

Filing Date :30/04/2	Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor : 1)IOVANNA Paola
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#### (57) Abstract:

The present proposal provides a specific solution for communications network topology summarization with a good trade off between high scalability good stability and resources utilization efficiency.

No. of Pages: 29 No. of Claims: 11

(21) Application No.2696/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: COATED CONFECTIONERY

(51) International classification	:A23G3/50,A23G1/00,A23G1/30	(71)Name of Applicant:
(31) Priority Document No	:2011222287	1)MEIJI CO. LTD.
(32) Priority Date	:06/10/2011	Address of Applicant :2 10 Shinsuna 1 chome Koto ku Tokyo
(33) Name of priority country	:Japan	1368908 Japan
(86) International Application	:PCT/JP2012/075911	(72)Name of Inventor :
No	:05/10/2012	1)MATSUURA Tadashi
Filing Date	.03/10/2012	2)HIRAOKA Maki
(87) International Publication N	o:WO 2013/051687	3)TAKAI Naoko
(61) Patent of Addition to	:NA	4)UTSUNOMIYA Hiroyuki
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

## (57) Abstract:

The present invention pertains to a coated confectionery whereby adequate shellac coating of a center of complex shape enhances the wear resistant and heat resistant shape retention properties of the center. More specifically the present invention relates to a coated confectionery comprising a center made of an oil based confectionery and a shellac for covering the center wherein the coated confectionery is characterized in that the shellac coating rate is 0.1 10%.

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

(21) Application No.2750/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD FOR ADAPTIVELY CONTROLLING A TORQUE RESERVE

<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>	:F02D :102012111100.6 :19/11/2012 :Germany	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ANDREAS HEINTZE
(87) International Publication No (61) Patent of Addition to Application Number	: NA	
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates to a method for adaptively controlling a torque reserve for an internal combustion engine (6) of a motor vehicle,, in which an actual minimum requirement for the torque reserve which is to be made available is determined and set at a respective operating point of the motor vehicle with 10 an adaptive torque reserve controller (8).

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

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DEVICE FOR CONVEYING PASTE ALONG TWO PERPENDICULAR AXES AND ASSEMBLY FOR PRODUCING MOLDED BLOCKS COMPRISING SUCH A DEVICE

#### (57) Abstract:

Device for conveying (200) carbonaceous paste, able to move along a main roller track (16) extending in a first direction referred to as the main direction, in order to feed machines (1<sup>TM</sup>) for forming molded blocks, the device (200) comprising: a main frame (202), comprising rolling means (205) intended to cooperate with the main roller track (16) in order to move the main frame (202) in the main direction, a conveying hopper (201), supported by the main frame (202) and suitable for being fed carbonaceous paste. The main frame (202) defines a secondary roller track extending in a second direction referred to as the secondary direction, perpendicular to the main direction. The device (200) comprises a secondary frame (203) supporting the conveying hopper (201) and equipped with rolling means (208, 209) for moving the secondary frame (203) on the secondary roller track in the secondary direction.

No. of Pages: 29 No. of Claims: 8

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: METHOD FOR PRODUCING ETHYLAMINES AND MONOISOPROPYLAMINE (MIPA)

(51) International :C07C209/16,C07C211/05,C07C211/06 classification

:EPO

(31) Priority Document :11189920.9

(32) Priority Date :21/11/2011

(33) Name of priority

country

(86) International

:PCT/EP2012/072473 Application No :13/11/2012

Filing Date (87) International

:WO 2013/075974 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)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor: 1)ASPRION Norbert 2)JULIUS Manfred

3)BEY Oliver

4)WERLAND Stefanie

5)STEIN Frank

6)KUMMER Matthias 7)M,,GERLEIN Wolfgang 8)MELDER Johann Peter 9)HUYGHE Kevin

10)MOORS Maarten

## (57) Abstract:

METHOD FOR PRODUCING ETHYLAMINES AND MONOISOPROPYLAMINE (MIPA), IN WHICH BIOETHANOL IS REACTED WITH AMMONIA IN THE PRESENCE OF HYDROGEN AND A HETEROGENEOUS CATALYST TO FORM ETHYLAMINES WHEREIN THE BIOETHANOL CONTAINS SULPHUR AND/OR SULPHUR CONTAINING COMPOUNDS OF >= 0.1 PPM BY WEIGHT (CALCULATED S) AND THEN IN THE PRESENCE OF THE SAME CATALYST ISOPROPANOL IS REACTED WITH AMMONIA IN THE PRESENCE OF HYDROGEN TO FORM MIPA.

No. of Pages: 27 No. of Claims: 24

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: KNEE PROSTHESIS SYSTEM WITH STANDARD AND DISTAL OFFSET JOINT LINE

(51) International classification	:A61F	(71)Name of Applicant:
(31) Priority Document No	:61/703,412	1)DEPUY (IRELAND)
(32) Priority Date	:20/09/2012	Address of Applicant :LOUGHBEG INDUSTRIAL ESTATE,
(33) Name of priority country	:U.S.A.	RINGASKIDDY CO CORK, IRELAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PETER J. JAMES
(87) International Publication No	: NA	2)RICHARD E. JONES
(61) Patent of Addition to Application Number	:NA	3)BENJAMIN J. SORDELET
Filing Date	:NA	4)TIMOTHY G. VENDRELY
(62) Divisional to Application Number	:NA	5)STEPHANIE M. WAINSCOTT
Filing Date	:NA	

#### (57) Abstract:

A modular knee prosthesis system includes a femoral component having a stem and a sleeve. The system is modular, and provides the surgeon with the option of distally offsetting the joint line by controlling the relative axial positions of the stem and the sleeve. Alternative options include providing sleeves with tapered bores of different diameters, providing a shim to be placed between the sleeve and the stem and providing the stems as adapters having different diameters.

No. of Pages: 48 No. of Claims: 18

(21) Application No.2769/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: ANCHOR INSERTER

<ul> <li>(51) International classification</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	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767, UNITED STATES OF AMERICA U.S.A.
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)MEHMET ZIYA SENGUN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An anchor inserter provides for inserting an anchor into a hole in body tissue. The anchor inserter has an elongated shaft with a first axis and a distal end and an insertion tip. The insertion tip has a driving tip extending distally from the distal end of the shaft to terminate in an anchor engaging interface. A resiliency between the anchor engaging interface and the shaft allows bending away from the first axis. An abutment member extends distally from the shaft and has a distally facing abutment surface adjacent the driving tip which abuts the anchor and allows an axial force to be transmitted thereto. Preferably, the abutment member comprises a collar extending from the shaft and coaxially receiving the driving tip.

No. of Pages: 13 No. of Claims: 17

(22) Date of filing of Application :25/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : PATELLA DRILL GUIDE AND TRIAL SURGICAL INSTRUMENT HAVING AN ALIGNMENT BORE FORMED THEREIN AND METHOD OF USING THE SAME

(51) International classification	:A61B, A61F	(71)Name of Applicant: 1)DEPUY (IRELAND)
(31) Priority Document No	:13/630,924	, , , , , , , , , , , , , , , , , , , ,
(32) Priority Date	:28/09/2012	RINGASKIDDY CORK, IRELAND
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)MATTHEW S. WALLACE
Filing Date	:NA	2)JENNIFER B. CLEVER
(87) International Publication No	: NA	3)RICHARD S. JONES
(61) Patent of Addition to Application Number	:NA	4)DAVID S. BARRETT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An orthopaedic surgical instrument includes a patella trial and drill guide that may be used to both perform a surgical trial of the patellofemoral joint and guide the surgeon in drilling a number of anchor holes in the patella of the patient.

No. of Pages: 58 No. of Claims: 5

(22) Date of filing of Application :28/04/2010 (43) Publication Date : 20/02/2015

### (54) Title of the invention: DEVICE FOR INDICATOR DILUTION MEASUREMENTS

(51) International classification (71)Name of Applicant: :A61B (31) Priority Document No :10 2007 049 409.4 1)EDWARD FIFESCIENCE IPRM AG (32) Priority Date Address of Applicant :ROUTE DE 1'ETRAZ 70, CH-1260 :15/10/2007 (33) Name of priority country NYON. SWITZERLAND :Germany (86) International Application No :PCT/EP2008/008722 (72)Name of Inventor : 1)ULF BORG Filing Date :15/10/2008 :WO 2009/049872 (87) International Publication No 2)REINHOLD KNOLL (61) Patent of Addition to Application 3)FREDERIC MICHARD :NA 4)ULRICH PFEIFFER :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method and device for indicator dilution measurements of a central volume (V1) with a processor (P) and a first input means (I1) for receiving data from a first site of injection (S1) of an indicator upstream of the central volume (V1) and a second input means (12) for receiving data from a second site of detection (S2) of the diluted indicator downstream of the central volume (V1), wherein a first additional volume (V2) is defined between the first site (S1) and the central volume (V1) through which the indicator flows before entering the central volume (V1) and a first additional branch (B2) is defined between the first site (S1) and the central volume (V1) through which no indicator flows before entering the central volume (V1) but which is connfected to the central volume (V1) and wherein a second additional volume (V3) is defined between the central volume (V1) and the second site (S2) through which the indicator flows before entering the second site (S2) and a second additional branch (B3) is defined between the central volume (V1) and the second site (S2) through which indicator flow is branched off and is not entering the second site (S2) wherein the processor is adapted to perform calculations for a result of central volumetric parameters and these calculations are corrected for the first and second additional volumes (V2, V3) and/or for the first and second additional branches (B2, B3).

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

(21) Application No.3835/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: ETHYLENE BASED COPOLYMER COMPOSITION CONTAINING THE COPOLYMER AND MOLDED ARTICLE AND FILM OR SHEET FORMED OF THE COPOLYMER OR THE COMPOSITION

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
:C08F210/18,C08L23/
:2011-225677
:13/10/2011
:Japan
:PCT/JP2012/076442
:12/10/2012

(87) International Publication No :WO 2013/054882 (61) Patent of Addition to Application :NA

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA

:NA

:NA

:C08F210/18,C08L23/16 (71)Name of Applicant :

1)MITSUI CHEMICALS INC.

Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)Name of Inventor: 1)EBATA Hiroki

2)KIKUCHI Yoshiharu

3) ISHII Yuji

4)MATSUO Yoshihisa

#### (57) Abstract:

The present invention relates to a method for producing an ethylene based copolymer which maintains a high level of rubber elasticity even in non cross linking and a high level of molding workability even in a substantial high fill mixture and a method for producing a film or a sheet of flexibility and high extensibility with high productivity. An ethylene based copolymer (X) of the present invention comprises a structural unit which is derived from the ethylene based copolymer (X) which comprises a structural unit which is derived from a component [A] a component [B] and a component [C] each being an ethylene [A] an alpha olefin having a number of carbon atoms of from 3 to 20 [B] and a polyene and/or a cyclic olefin [C]. According to the ethylene based copolymer and a composition and an application containing the ethylene based copolymer (X) (1) the structural unit derived from the ethylene [A] is within a range of between 50 mole percent and 90 mole percent in an entire structural unit of 100 mole percent of the copolymer (X) (2) the structural unit derived from the at least one polyene and/or cyclic olefin [C] is within a range of between 1.0 mole percent and 5.0 mole percent in the entire structural unit of 100 mole percent of the copolymer (X) and (3) a limiting viscosity [n] measured in a decalin solution of the ethylene based copolymer (X) with a temperature of 135°C is within a range of between 7.8 dl/g and 13.0 dl/g.

No. of Pages: 126 No. of Claims: 20

(22) Date of filing of Application :03/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ALKYLATION PROCESS USING PHOSPHONIUM BASED IONIC LIQUIDS

(51) International classification :C07C2/58,C07C9/14,C07C9/22 (71)Name of Applicant : (31) Priority Document No 1)UOP LLC :61/664385 (32) Priority Date :26/06/2012 Address of Applicant :25 East Algonquin Road P. O. Box (33) Name of priority country :U.S.A. 5017 Des Plaines Illinois 60017 5017 U.S.A. (86) International Application No: PCT/US2013/046702 (72)Name of Inventor: 1)MARTINS Susie C. Filing Date :20/06/2013 (87) International Publication No: WO 2014/004232 2)NAFIS Douglas A. (61) Patent of Addition to 3)BHATTACHARYYA Alakananda :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

A process for making an alkylate is presented. The process includes mixing an isoparaffin stream with an olefin stream in an alkylation reactor. The alkylation reactor includes a catalyst for performing the reaction. The catalyst is an ionic liquid that is a quaternary phosphonium based ionic liquid and the reaction is performed at or near ambient temperatures.

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

(19) INDIA

(22) Date of filing of Application :05/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: CRANE

(51) International classification	:B66C	(71)Name of Applicant :
(31) Priority Document No	:20 2012 009 167.0	1)Liebherr-Werk Biberach GmbH Address of Applicant :Memminger Strasse 120, 88400
(32) Priority Date	:24/09/2012	Biberach an der Riss, Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Joachim MAYER
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	
		•

(21) Application No.2638/DEL/2013 A

#### (57) Abstract:

The present invention relates to a crane, in particular a tower crane, with a boom rotatable about an upright slewing gear axis and an out-of-service brake which permits and slows down the rotary movements of the boom in the out-of-service condition. According to the invention, the out-of-service brake is formed to operate in a rotational-speed-dependent manner such that with a greater rotational speed of the crane the applied braking torque is greater than with a smaller rotational speed of the crane.

No. of Pages: 32 No. of Claims: 20

(21) Application No.2691/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

## (54) Title of the invention: TABLET TEST STATION

(51) International

:G01N33/15,G01B11/02,G01N3/40

classification

(31) Priority Document No :11186472.4 :25/10/2011

(32) Priority Date

(33) Name of priority country: EPO

(86) International Application :PCT/IB2012/055740 No :19/10/2012

Filing Date

(87) International Publication :WO 2013/061226

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)PHARMATRON AG

Address of Applicant: Uttigenstrasse 28 3600 Thun

Switzerland

(72)Name of Inventor: 1)BOSS Thomas

2)HERRMANN Holger

#### (57) Abstract:

Tablet test station including at least one receptacle for the transfer of tablets from an outlet of a feed device and at least one test means for inspecting testing and/or measuring the tablets. A lifting device (20) is provided for moving the receptacle (15) relative to the feed device (13).

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

(21) Application No.2692/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: PROCESS TO PRODUCE BIOFUELS VIA ORGANIC PHASE THERMAL HYDROCATALYTIC TREATMENT OF BIOMASS

(51) International classification :C10G1/00,C10G1/06,C10G3/00 (71)Name of Applicant:

(31) Priority Document No
(32) Priority Date

1)SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V.

(33) Name of priority country :U.S.A. Address of Applicant :Carel van Bylandtlaan 30 NL 2596 The (86) International Application No:PCT/US2012/062400 Hague Netherlands

(86) International Application No:PCT/US2012/062400 Hague Netherlands Filing Date :29/10/2012 (72)Name of Inventor:

(87) International Publication No :WO 2013/066808

(61) Patent of Addition to

2) JOHNSON Kimberly Ann

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

(62) Divisional to Application
Number
:NA

Filing Date :NA

## (57) Abstract:

Biofuels can be produced via an organic phase hydrocatalytic treatment of biomass using an organic solvent that is partially miscible with water.. An organic hydrocarbon rich phase from the hydrocatalytically treated products can be recycled to form at least a portion of the organic phase.

No. of Pages: 47 No. of Claims: 13

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

(43) Publication Date: 20/02/2015

## (54) Title of the invention : SYSTEMS AND METHODS FOR CONTINUOUSLY PRODUCING CARBON NANOSTRUCTURES ON REUSABLE SUBSTRATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B82Y30/00 :61/549182 :19/10/2011 :U.S.A. :PCT/US2012/060891 :18/10/2012 :WO 2013/059506 :NA :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS LLC Address of Applicant: 2323 Eastern Blvd. Baltimore MD 21220 U.S.A. (72)Name of Inventor: 1)PETERSON Bradley W. 2)JONES Melissa L. 3)SHAH Tushar K. 4)ALBERDING Mark R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system includes a reusable substrate upon which a carbon nanostructure is formed as a carbon nanostructure laden reusable substrate a first conveyor system adapted to continuously convey the reusable substrate through a carbon nanotube catalyst application station and carbon nanostructure growth station and a second conveyor system adapted to create an interface between a second substrate and the carbon nanostructure laden reusable substrate the interface facilitating transfer of a carbon nanostructure from the carbon nanostructure laden reusable substrate to the second substrate. A method includes growing a carbon nanostructure on a reusable substrate the carbon nanostructure includes a carbon nanotube polymer having a structural morphology comprising interdigitation branching crosslinking and shared walls and transferring the carbon nanostructure to a second substrate to provide a carbon nanostructure laden second substrate. The method is adapted for continuous carbon nanostructure production on the reusable substrate. A pre preg includes such a carbon nanostructure.

No. of Pages: 52 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :13/05/2014

(21) Application No.3858/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: ROTARY BEVELMENT COMPOSITE SAW BLADE

(51) International classification	:B23D45/10	(71)Name of Applicant :
(31) Priority Document No	:201110312981.X	1)SUZHOU TINGENS IISAW TECHNOLOGY CO. LTD
(32) Priority Date	:17/10/2011	Address of Applicant :WEN Qingpu Room B601 7 Guohua
(33) Name of priority country	:China	Building No. 328 Xinghu Street Suzhou Industrial Park Suzhou
(86) International Application No	:PCT/CN2012/079994	Jiangsu 215021 China
Filing Date	:13/08/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/056591	1)WEN Qingpu
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1177	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A design solution of a rotary bevelment composite saw blade and a rotary bevelment composite saw blade for implementing the design solution. The rotary bevelment composite saw blade which comprises an outside saw blade (11) and an inside saw blade (21). The rotation center of the outside saw blade (11) and that of the inside saw blade (21) are coaxial and the outside saw blade and the inside saw blade are arranged in parallel and have opposite cutting directions. A bearing (5) is arranged between the outside saw blade (11) and the inside saw blade (21). An inside ring of the bearing limits the position of the outside saw blade (11). An outside ring of the bearing limits the position of the inside saw blade (21) rotate freely following the inside ring and the outside ring of the bearing respectively. Friction interference and collision are not generated between saw blades of the rotary bevelment composite saw blade and the rotary bevelment composite saw blade is efficient stable and reliable in running and is suitable for cutting off materials such as metal stone wood and glass.

No. of Pages: 34 No. of Claims: 15

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: CONCENTRATED SOLAR TOWER ASSEMBLY AND METHOD

(32) Priority Date :19/09/	5059.8 1)ALSTOM TECHNOLOGY LTD  9/2012 Address of Applicant :BROWN BOVERI STRASSE 7, 5400  OPEAN BADEN, SWITZERLAND
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#### (57) Abstract:

A concentrated solar tower assembly 1000 includes a hollow tower structure 100 defining lower 102 and upper 104 portions. The lower portion 102 includes a closable opening region 106 for configuring a closable opening 106a, and the upper portion 104 includes a top gird 110 having inner and outer top grids 112, 114. The assembly 1000 further includes a solar receiver steam generator 200 entirely installed at the ground level G on the inner top grid 112 simultaneous to erection of the tower 100. The generator 200 on the inner top grid 112 is slidingly directed within the tower 100 from the closable opening 106a to be entirely accommodated therewithin. Thereafter, the generator 200 on the inner top grid 112 is lifted for being placed along the upper portion 104 of the tower 100.

No. of Pages: 41 No. of Claims: 16

(22) Date of filing of Application :20/09/2013

(43) Publication Date: 20/02/2015

## (54) Title of the invention : MODULAR KNEE PROSTHESIS SYSTEM WITH MULTIP;E LENGTHS OF SLEEVES SHARING A COMMON GOMETRY

## (57) Abstract:

An orthopaedic surgical instrument system includes a first broach including a first end configured to be separately secured to a handle and a tapered body having a plurality of cutting teeth defined therein, and a second broach including a first end configured to be separately secured to the handle in place of the first broach, a first tapered body extending distally from a second end positioned opposite the first end, and a second tapered body extending distally from the first tapered body. The tapered body of the first broach and the first tapered body of the second broach have a first outer geometry and the second tapered body has a second outer geometry different from the first outer geometry.

No. of Pages: 82 No. of Claims: 17

(22) Date of filing of Application :20/09/2013

(43) Publication Date: 20/02/2015

## (54) Title of the invention : FEMORAL KNEE PROSTHESIS SYSTEM WITH AUGMENTS AND MULTIPLE LENGTHS OF SLEEVES SHARING COMMON GEOMETRY

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (34) International Application No Filing Date (87) International Publication No (88) International Publication No (89) International Publication No (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) NA (84) International Classification No (85) International Application Number Filing Date (86) International Application Number Filing Date (87) International Publication Number Filing Date (88) International Application Number Filing Date (89) International Publication Number Filing Date (80) International Publication Number Filing Date (81) International Publication Number Filing Date (81) International Publication Number Filing Date (82) International Publication Number Filing Date (83) International Application Number Filing Date (84) International Publication Number Filing Date (85) International Publication Number Filing Date (86) International Publication Number Filing Date (87) International Publication Number Filing Date (87) International Publication Number Filing Date	I ITTHOMASI BERNASEK
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## (57) Abstract:

A modular knee prosthesis system includes a femoral component having a stem, a plurality of different sizes of sleeves mountable on the stem, and a plurality of different sizes of augments mountable on the femoral component. The system is modular, and provides the surgeon with the option of distally offsetting the joint line by selecting the size of sleeve that will provide the desired joint line. The different sizes of sleeves have different axial lengths but share a common geometry along a substantial part of their lengths so that the same bone cavity will accept multiple sizes of sleeves.

No. of Pages: 81 No. of Claims: 16

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: METHOD FOR PRODUCING MERCAPTOCARBOXYLIC ACID

(51) International :C07C319/04,C07C319/28,C07C321/04 classification

(31) Priority Document :2011-253455

(19) INDIA

(32) Priority Date :21/11/2011

(33) Name of priority

:Japan country

(86) International :PCT/JP2012/007452 Application No

:20/11/2012 Filing Date

(87) International :WO 2013/076969 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)MITSUI CHEMICALS INC.

(21) Application No.3868/DELNP/2014 A

Address of Applicant: 5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)Name of Inventor:

1)FURUYA Masayuki 2)OGAWA Tatsuva

3)NISHIMURA Takeshi

### (57) Abstract:

This method for producing a -mercaptocarboxylic acid involves; a step (a) of obtaining a reaction solution including a compound represented by general formula (2) and a compound represented by general formula (3) by reacting a compound represented by the formula X 12S (wherein X 1 represents hydrogen Na, or K) or a compound represented by the formula X 2SH (wherein X2 represents Na or K), an alkali hydroxide represented by the formula X 3OH (wherein X3 represents Na or K), and an unsaturated carboxylic acid represented by general formula (1); a step (b) of obtaining a reaction solution including a -mercaptocarboxylic acid represented by general formula (4) and a compound represented by general formula (5) by neutralizing the reaction solution obtained in said step (a) with an acid; a step (c) of obtaining the -mercaptocarboxylic acid represented by general formula (4) by purifying by distillation the reaction solution obtained in said step (b); and a step (d) of returning to said step (a) the distillation residue of said step (c) including the compound represented by general formula (5).

No. of Pages: 44 No. of Claims: 5

(22) Date of filing of Application :12/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING THE PHASE COMPOSITIONS OF A MULTIPHASE FLUID FLOW

(54) 5	G045	27/27
(51) International classification	:G01F	(71)Name of Applicant:
(31) Priority Document No	:1216390.3	1)SPIRAX-SARCO LIMITED
(32) Priority Date	:13/09/2012	Address of Applicant :CHARLTON HOUSE, 15
(33) Name of priority country	:U.K.	CIRENCESTER ROAD, CHETLENHAM,
(86) International Application No	:NA	GLOUCESTERSHIRE GL53 8ER, UNITED KINGDOM U.K.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)FRISBY, BEN
(61) Patent of Addition to Application Number	:NA	2)ISLAM, NASHTARA
Filing Date	:NA	3)USHER, PETER
(62) Divisional to Application Number	:NA	4)KANE, MITCHELL
Filing Date	:NA	

#### (57) Abstract:

There is disclosed a method of determining the phase compositions of a multiphase fluid flow in a fluid line, including obtaining a vibration signal from the fluid flow using a vibration sensor 22 comprising a target disposed in the fluid flow which vibrates in response to fluid flow in the fluid line. The vibration signal is analysed to determine a first energy parameter which is related to the energy of the vibration signal within a first frequency band, and a second energy parameter which is related to the energy of the vibration signal within a second frequency band; and a phase composition parameter, such as a dryness parameter, relating to the phase compositions of the fluid flow is determined using the first and second energy parameters. There is also disclosed an apparatus for determining the phase compositions of a multiphase fluid flow in a fluid line.

No. of Pages: 21 No. of Claims: 43

(21) Application No.3869/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: METHOD FOR PRODUCING MERCAPTOCARBOXYLIC ACID

(51) International :C07C319/04,C07C319/28,C07C323/52 classification

(31) Priority Document :2011-253453

(32) Priority Date :21/11/2011

(33) Name of priority

:Japan country

(86) International :PCT/JP2012/007451 Application No

:20/11/2012 Filing Date

(87) International :WO 2013/076968 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)MITSUI CHEMICALS INC.

Address of Applicant: 5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)Name of Inventor:

1)FURUYA Masayuki 2)OGAWA Tatsuya

3)NISHIMURA Takeshi

## (57) Abstract:

This method for producing a -mercaptocarboxylic acid represented by general formula (3) involves: a step of obtaining a reaction solution including a compound represented by general formula (2) by reacting under atmospheric pressure hydrogen sulfide an alkali hydroxide represented by the formula XOH (wherein X represents Na or K), and an unsaturated carboxylic acid represented by general formula (1); and a step of neutralizing the reaction solution obtained in the aforementioned step with an acid. The amount of said alkali hydroxide is greater than or equal to the total number of moles of said unsaturated carboxylic acid and said hydrogen sulfide.

No. of Pages: 32 No. of Claims: 3

(21) Application No.3870/DELNP/2014 A

(19) INDIA

country

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: PHARMACEUTICAL COMPOSITION USEFUL FOR ADHESION PREVENTION OR HEMOSTASIS

(51) International classification :A61L15/16,A61K31/734,A61K45/00

(31) Priority Document No :2011-258268 (32) Priority Date :25/11/2011

(33) Name of priority

:Japan

(86) International :PCT/JP2012/080339

Application No Filing Date :1C1/31 2012

(87) International Publication No :WO 2013/077414

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

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

(71)Name of Applicant:

1)OTSUKA PHARMACEUTICAL FACTORY INC.

Address of Applicant :115 AzaKuguhara Tateiwa Muya cho

Naruto shi Tokushima 7728601 Japan

(72)Name of Inventor :1)FUKUDA Tatsuru2)TAMURA Hirofumi

#### (57) Abstract:

One purpose of the present invention is to provide a pharmaceutical composition that offers excellent solubility in water provides a reasonable range of gelling speeds for gelling agents and is useful as a medical material for preventing adhesion. Another purpose of the present invention is to provide a pharmaceutical composition whereby an excellent hemostatic effect can be achieved. A solid pharmaceutical composition is prepared containing: (A) a gelling agent; (B) a salt of a divalent metal and at least one species of acid selected from the group consisting of organic acids and inorganic acids; and (C) polyethylene glycol.

No. of Pages: 64 No. of Claims: 15

(21) Application No.3871/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: RELEASE DEVICE FOR THE LOCKING MEANS OF A SEAT RAIL

(51) International classification :B60N2/07,B60N2/06,B60N2/08 (71)Name of Applicant :

(31) Priority Document No :10 201 112 1557.7

(32) Priority Date :20/12/2011 (33) Name of priority country :Germany

(86) International Application No:PCT/EP2012/073258

Filing Date :21/11/2012 (87) International Publication No: WO 2013/092089

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)KEIPER GMBH & CO. KG

Address of Applicant: Hertelsbrunnenring 2 67657

Kaiserslautern Germany (72)Name of Inventor: 1)J..HNER Falko 2)RUE Georg

3)KREBS J1/4rgen

#### (57) Abstract:

The invention relates to a release device for the upper rail and the lower rail of a longitudinal seat adjustment system of a motor vehicle seat. A release device is provided which release device has a lever that preferably rotatably supported on the upper rail of the vehicle seat. An end of said lever interacts with the locking means and optionally releases the locking means. A handle is provided at the other end. If said handle is operated the lever moves preferably rotates relative to the upper rail from a passive position of the lever to a release position of the lever and moves the locking means from a locking position of the locking means to a releasing position. In order to ensure that the release device automatically moves into a passive position of the release device in which passive position the release device does not interact with the locking means in a releasing manner a spring element is provided which preloads the lever into the passive position of the lever. According to the invention the spring element additionally performs the function of supporting the lever on the upper rail.

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

(21) Application No.2689/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: COMBINE

(51) International classification :A01D69/10,A01D41/12,A01D67/00

:NA

(31) Priority Document No :2011204469 (32) Priority Date :20/09/2011

(33) Name of priority country :Japan

(86) International :PCT/JP2012/074006

Application No Filing Date :20/09/2012

(87) International

Publication No :WO 2013/042709

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

:NA
:NA
:NA

(71)Name of Applicant: 1)YANMAR CO.LTD.

Address of Applicant :1 9TsurunochoKita kuOsaka shi Osaka

5308311 Japan

(72)Name of Inventor: 1)KIYOOKA Kouji 2)TSUJI Tomoyuki 3)INAOKA Takaya

#### (57) Abstract:

Filing Date

The purpose of the present invention is to provide a combine whereby left/right travel units (2) can be evenly braked malfunctioning of the left/right travel units (2) can be reduced and braking performance of the left/right travel units (2) can be enhanced. This combine is provided with a reaper device (3) a threshing device (9) and a traveling chassis (1) loaded with an engine (7). Left/right travel units (2) are mounted onto the traveling chassis (1). The engine (7) actuates the travel hydraulic pump (65) and left/right travel hydraulic motors (69) are driven by the travel hydraulic pump (65) while in turn left/right brakes are provided to each of the left/right travel hydraulic motors (69). The combine is also provided with left/right brake levers (296) for respectively braking left/right brake mechanisms (297) and with a stabilizer body (286) for braking operations the stabilizer body being coupled to the brake operation tool (38) via the brake wire (278). The configuration allows for the left/right brake levers (296) to be evenly towed by the stabilizer body (286) for braking operations.

No. of Pages: 75 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :07/05/2014

(21) Application No.3708/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: CONNECTOR

(51) International classification	:H01R12/71,H05K7/14	(71)Name of Applicant:
(31) Priority Document No	:2011-224392	1)SOURIAU JAPAN K.K.
(32) Priority Date	:11/10/2011	Address of Applicant :Parale Mitsui Building 15F 8 Higashida
(33) Name of priority country	:Japan	cho Kawasaki ku Kawasaki shi Kanagawa 2100005 Japan
(86) International Application No	:PCT/JP2012/076008	(72)Name of Inventor:
Filing Date	:05/10/2012	1)OHNUKI Shigeru
(87) International Publication No	:WO 2013/054767	2)ENOMOTO Kazuo
(61) Patent of Addition to Application	·N 1 A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a connector capable of being mounted together with an ejector to a compact circuit board corresponding to a compact unit wire rack and capable of being efficiently mounted in a saved space. [Solution] The present invention is a connector which is mounted to a circuit board (5) to be inserted into a storage destination and is configured to comprise: a connector body (3) having a housing part (13) for housing an electric terminal (2) connected to a predetermined wire of the circuit board (5) and a base part (14) connected to the housing part (13); a panel (7) having an opening which is formed in a pair of opposed surfaces and through which the housing part (13) can be inserted; an ejector (6) for detaching the circuit board (5) from an insertion destination by turning; and a connection member (8) connected to a turning shaft part (24) for turning the ejector (6) so as to fasten the circuit board (5) and the base part (14) of the connector body (3).

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

(21) Application No.3873/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: PROCESS FOR CONTINUOUS ISOCYANATE MODIFICATION

(51) International classification :C08G18/78,C07C273/18,C08G18/79

(31) Priority Document No :11191377.8 (32) Priority Date :30/11/2011

(33) Name of priority :EPO

country (86) International

Application No :PCT/EP2012/073998

Filing Date :29/11/2012

(87) International Publication No :WO 2013/079614

(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)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Str. 10 40789 Monheim

Germany

(72)Name of Inventor:
1)RICHTER Frank
2)ANSTOCK Martin
3)BAHKE Philip
4)GOSCH Andreas

4)GOSCH Andreas 5)HALPAAP Reinhard 6)HECKING Andreas 7)BUCHHOLZ Sigurd 8)TRACHT Ursula

9)DOBRE Adrian Cosmin

#### (57) Abstract:

A process for continuous preparation of oligomeric or polymeric isocyanates by catalytic modification of monomeric di and/or triisocyanates characterized in that at least one isocyanate component A and at least one catalyst component B are combined continuously in a reaction apparatus and conducted through the reaction apparatus as a reaction mixture the residence time distribution being characterized according to the dispersion model by Bo (Bodenstein number) above 40 preferably above 60 and most preferably above 80.

No. of Pages: 26 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: EXCAVATION CONTROL SYSTEM FOR HYDRAULIC EXCAVATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:E02F3/43 :2012-090034 :11/04/2012 :Japan :PCT/JP2013/057211 :14/03/2013 :WO 2013/153906 :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)MATSUYAMA Toru 2)KAMI Yoshiki 3)KASHIWABARA Shin 4)ICHIHARA Masashi
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(21) Application No.3874/DELNP/2014 A

#### (57) Abstract:

An excavation control system (200) is provided with a design surface data generation unit (284) that on the basis of design topographic data (Dg) and bucket position data (Dp) generates first layout surface data (Ds1), indicating a first design surface (S1) nearest to a bucket (8) and second to fifth design surface data (Ds2 to Ds5) indicating second to fifth design surfaces (S2 to S5) extending from the first design surface (S1) and that on the basis of the first to fifth design surface data (D to D) generates formation data (Df) indicating the shape of the first to fifth design surfaces (S1 to S5).

No. of Pages: 27 No. of Claims: 3

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: AROMATICS ISOMERIZATION USING A DUAL CATALYST SYSTEM

(51) International classification :C07C5/22,C07C5/27,B01J23/30 (71)Name of Applicant: (31) Priority Document No :61/559226

(32) Priority Date :14/11/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/061880

No :25/10/2012 Filing Date

(87) International Publication No: WO 2013/074264

(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)BOGDAN Paula L. 2)JOHNSON James A. 3)GAJDA Gregory J.

4)WHITCHURCH Patrick C.

5)FREY Stanley J. 6)SPIEKER Wolfgang A.

## (57) Abstract:

This invention is drawn to a process for isomerizing a non equilibrium mixture of xylenes and ethylbenzene which contain a substantial concentration of nonaromatics using a catalyst system which features the ability to both convert nonaromatics and to obtain an improved yield of para xylene from the mixture relative to processes of the known art.

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

(21) Application No.2716/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: INTEGRATED HYDROGENATION/DEHYDROGENATION REACTOR IN A PLATFORMING **PROCESS**

(51) International :C07C15/02,C07C15/06,C10G69/08

classification

(31) Priority Document No :13/327185 (32) Priority Date :15/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/055147 No

:13/09/2012 Filing Date

(87) International Publication :WO 2013/089854

(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)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)SERBAN Manuela

2) VANDEN BUSSCHE Kurt M.

3)MOSER Mark D. 4)WEGERER David A.

#### (57) Abstract:

A process for reforming a hydrocarbon stream is presented. The process involves splitting a naphtha feedstream to at least two feedstreams and partially processing each feedstream in separate reactors. The processing includes passing the light stream to a combination hydrogenation/dehydrogenation reactor. The process reduces the energy by reducing the endothermic properties of intermediate reformed process streams.

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

(21) Application No.2717/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

### (54) Title of the invention: INTEGRATED HYDROGENATION/DEHYDROGENATION REACTOR IN A CATALYTIC REFORMING PROCESS CONFIGURATION FOR IMPROVED AROMATICS PRODUCTION

(51) International :C10G69/08,C10G63/02,C10G59/06

classification

(31) Priority Document No :13/327192 :15/12/2011 (32) Priority Date

(33) Name of priority country: U.S.A. (86) International

:PCT/US2012/055275 Application No

:14/09/2012 Filing Date

(87) International Publication :WO 2013/089857

(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)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)SERBAN Manuela

2) VANDEN BUSSCHE Kurt M.

3)MOSER Mark D. 4)WEGERER David A.

(57) Abstract:

A process for reforming hydrocarbons is presented. The process involves applying process controls over the reaction temperatures to preferentially convert a portion of the hydrocarbon stream to generate an intermediate stream which will further react with reduced endothermicity. The intermediate stream is then processed at a higher temperature where a second reforming reactor is operated under substantially isothermal conditions.

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

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention : METHOD AND COOLING SYSTEM FOR COOLING BLADES OF AT LEAST ONE BLADE ROW IN A ROTARY FLOW MACHINE

(51) International classification (31) Priority Document No (32) Priority Date	:F01D :12186156.1 :26/09/2012 :EUROPEAN	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	UNION :NA	(72)Name of Inventor: 1)JUSTL, SASCHA
Filing Date	:NA	2)SIMON-DELGADO, CARLOS
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	3)HEIDECKE, AXEL 4)OLMES, SVEN
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The invention refers a method and to a cooling system for cooling blades (1) of at least one blade row in a rotary flow machine, comprising an axial flow channel (2) which is radially limited on the inside by a rotor unit (3) and at the outside by at least one stationary component (4), said blades (1) are arranged at the rotary unit (3) and provide a shrouded blade tip facing radially to said stationary component (4) The invention is characterized in that pressurized cooling air (8) is fed through from radially outside towards the tip of each of said blades (1) in the at least one blade row, and said pressurized cooling air (8) enters the blades (1) through at least one opening (9) at the shrouded blades tip.

No. of Pages: 14 No. of Claims: 12

(21) Application No.4002/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: A HAND HELD TOOL FOR CUTTING LAMINATED GLASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:B26D1/00,C03B33/07 :61/549345 :20/10/2011 :U.S.A. :PCT/US2012/061379 :22/10/2012 :WO 2013/059823 :NA :NA	(71)Name of Applicant: 1)VANGURA Albert Address of Applicant: 4015 Watters Lane Gibsonia PA 15090 U.S.A. (72)Name of Inventor: 1)VANGURA Albert
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus for cutting laminated glass and film covered glass includes a powered hand held tool with a blade set including two static cutting blades and one dynamic reciprocating cutting blade. The reciprocating cutting blade moves between the two static cutting blades which are rigidly mounted to the tool head. The left and right static cutting blades were spaced apart by about 0.250 inches and the cutting blade had a thickness of about 0.200-0.250 inches. The clearance between the reciprocating and each static blade is between about 0.005-0.025 inches.

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

(21) Application No.4003/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: FLOW AFFECTING DEVICE

(51) International classification	:F17D1/20,F17D3/01,F17D1/12	
(31) Priority Document No	:NA	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:NA	Address of Applicant :10200 Bellaire Boulevard Houston
(33) Name of priority country	:NA	Texas 77072 U.S.A.
(86) International Application No	:PCT/US2011/066424	(72)Name of Inventor:
Filing Date	:21/12/2011	1)DYKSTRA Jason D.
(87) International Publication No	:WO 2013/095423	2)FRIPP Michael Linley
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

#### (57) Abstract:

Fluid flow influencer devices in chambers subsequent to vortex assemblies are described. A flow affecting device can move from a first position to a second position based on a flow path of fluid flowing from the vortex assembly to the chamber. The flow path may depend on an amount of rotation of the fluid from the vortex assembly. The flow affecting device in the first position can substantially allow fluid to flow through a chamber exit opening. The flow affecting device in the second position can substantially restrict fluid from flowing through the chamber exit opening.

No. of Pages: 37 No. of Claims: 20

(21) Application No.2704/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

### (54) Title of the invention: DOWNHOLE FLUID FLOW CONTROL SYSTEM HAVING TEMPORARY SEALING SUBSTANCE AND METHOD FOR USE THEREOF

(51) International :E21B29/08,E21B43/10,E21B43/08

classification (31) Priority Document No

(32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/US2011/066450

No :21/12/2011 Filing Date

(87) International Publication :WO 2013/095427

(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)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :2601 Beltline Road Carrollton TX

75006 U.S.A. (72)Name of Inventor:

1) GRECI Stephen Michael

#### (57) Abstract:

A downhole fluid flow control system (100). The downhole fluid flow control system (100) includes a flow control component (122) having an internal flow path (134) and a temporary sealing substance (136) disposed within the internal flow path (134). During installation of the downhole fluid flow control system (100) in a well the temporary sealing substance (136) prevents fluid flow through the flow control component (122) which prevents plugging or clogging of the internal flow path (134). After installation the temporary sealing substance (136) degrades when exposed to a water source in the well which enables fluid flow through the flow control component (122) and thus proper operation of the fluid flow control system (100).

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

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ADJUSTABLE HEIGHT ARTHROPLASTY PLATE

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (NA (NA (NA (NA (NA (NA (NA (NA (NA (N	<ul> <li>(71)Name of Applicant:</li> <li>1)DEPUY SYNTHES PRODUCTS, LLC Address of Applicant: 325 PARAMOUNT DRIVE,</li> <li>RAYNHAM, MA 02767-0350 USA U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)JASON M. CHAVARRIA</li> <li>2)SCOTT A. LUBENSKY</li> </ul>
(62) Divisional to Application Number :NA	
Filing Date :NA	

#### (57) Abstract:

An orthopaedic assembly. The orthopaedic assembly includes a first member adapted to be coupled to a bone and an adjustable connector assembly including an adjuster having a threaded end and a tapered end. The assembly also includes an articulation component including a bearing surface and adapted to be coupled to the tapered end of the adjustable connector assembly. The threaded end is adapted to engage the fixation plate.

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

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FEMORAL PROSTHESIS WITH INSERTION/EXTRACTION FEATURE

<ul> <li>(51) International classification</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>	:A61F :13/630,333 :28/09/2012 :U.S.A. :NA	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767-0350, U.S.A. U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)DANIEL N. HUFF 2)IAN G. DELANEY 3)JOEL M. MATTA
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A femoral prosthesis system is provided which includes femoral prosthesis and an instrument for inserting/extracting the femoral prosthesis. The femoral prosthesis includes a stem and a neck portion. The stem includes a proximal end portion which defines a proximal 5 stem axis. The neck portion is located proximally of the proximal end portion. The neck portion includes a proximal surface and an insertion/extraction cavity which extends distally from the proximal surface. The insertion/extraction cavity is configured to couple with the insertion/extraction instrument. The insertion/extraction cavity defines an insertion/extraction cavity axis which, when projected onto a coronal plane including the proximal stem axis, is not 10 parallel with the proximal stem axis. The insertion/extraction instrument includes a distal end portion configured to couple with the insertion/extraction cavity. 24

No. of Pages: 31 No. of Claims: 19

(21) Application No.2829/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ORTHOPADIC HIP PROSTHESIS HAVING FEMORAL STEM COMPONENTS WITH VARYING A/P TAPER ANGLES

(51) International classification	:A61F	(71)Name of Applicant:
(31) Priority Document No	:13/629,950	1)DEPUY SYNTHES PRODUCTS, LLC
(32) Priority Date	:28/09/2012	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767-0350, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DANIEL N. HUFF
(87) 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 femoral prosthesis for use during performance of a hip replacement procedure includes a plurality of femoral stem components in a range of various sizes and a plurality of femoral head component in a range of various sizes. The anterior/posterior stem taper angle of the femoral stem component varies across its range of sizes.

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

(19) INDIA

(22) Date of filing of Application :17/05/2014

(21) Application No.4000/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: ENDOLOOP HAVING A SCREW COUPLED REAR END 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/KR2012/011652 :27/12/2012 :WO 2013/100671 :NA :NA	(71)Name of Applicant:  1)KIM Jin Sung  Address of Applicant: Meunwookeum ro 19 103 610 (Dongchoon dong Dongnam apartment Yeonsoo gu Incheon 406 756 Republic of Korea (72)Name of Inventor: 1)KIM Jin Sung
- 10	:NA :NA :NA	

#### (57) Abstract:

An endoloop having a screw coupled rear end portion according to the present invention has screw threads which are respectively engaged with each other at a coupled part between a hollow rod and a rear end portion such that the hollow rod and the rear end portion are coupled with or separable from each other by a screw coupling method whereby the rear end portion can be separated from the hollow rod even without applying strong force and thus a suture procedure using the endoloop can be carried out more easily.

No. of Pages: 21 No. of Claims: 4

(19) INDIA

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

(21) Application No.2722/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: DEVICE FOR REDUCING THE CORONA EFFECT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02G7/00 :P 201131484 :12/09/2011 :Spain :PCT/ES2012/070462 :21/06/2012 :WO 2013/038040 :NA :NA :NA	(71)Name of Applicant:  1)SBI CONNECTORS ESPA'A S.A.  Address of Applicant: Calle Albert Einstein 5 7 Poligono Industrial Sesrovires E 08635 Sant Esteve Sesrovires Spain (72)Name of Inventor:  1)RODRIGUEZ LOPEZ Albert  2)SANLLEHI MU'OZ Josep  3)LALAOUNA Sa <sup>-</sup> d  4)HERNANDEZ GUITERAS Joan  5)RIBA RUIZ Jordi Roger
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### (57) Abstract:

The invention relates to a device for reducing the corona effect which is applicable in particular to connection nodes between conductor tubes of a power substation which includes an electrically conductive primary filamentous element wound onto itself forming an enveloping figure.

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

(21) Application No.2723/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PINION GEAR 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 (87) International Publication No</li> </ul>	:F02N :13/683,021 :21/11/2012 :U.S.A. :NA :NA	l '
<ul> <li>(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	3)SRINIVASA P. RENGASAMY

# (57) Abstract:

A pinion gear assembly having a pinion, a collar, and a bearing. The pinion may have a gear ortionanda hub portion disposed proximate the gear portion. The collar may be fixedly disposed on the hub portion and the bearing may be fixedly disposed on the collar.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR BELT-FINISHING WORKPIECES.

(51) I	D24D	(71) \
(51) International classification	:B24B	(71)Name of Applicant:
(31) Priority Document No	:10 2012 109 264.8	1)THIELENHAUS TECHNOLOGIES GMBH Address of Applicant :SCHWESTERSTRASSE 50, 42285
(32) Priority Date	:28/09/2012	WUPPERTAL, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)BERYA LENBET
Filing Date	:NA	2)DIPL-ING. THOMAS SCHMITZ
(87) 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 pertains to a method for belt-finishing workpieces that are set in rotation with alternating rotating direction during the finish processing. A finishing belt (4) is taken off a belt roll (2), guided around a rotatably supported pressing roller (7) and wound up on an empty sleeve (8) by means of a coiler (3). A belt section of the finishing belt (4) that is guided around the pressing roller (7) acts upon the workpiece and carries out oscillating motions transverse to the moving direction of the finishing belt (4) together with the pressing roller (7). According to the invention, a braking force is exerted upon the pressing roller (7) in order to ensure a uniform motion of the finishing belt (4) when the rotating direction of the rotating workpiece changes during the finish processing. The invention also pertains to a device for carrying out the described method.

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

(21) Application No.2724/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BIOCIDAL COATING

(51) International classification :A01N25/10,A01N33/12,C09D5/16

(31) Priority Document No :2011903763 (32) Priority Date :13/09/2011 (33) Name of priority country :Australia

(86) International Application :PCT/AU2012/001093

No :13/09/2012

Filing Date

(87) International Publication :WO 2013/036996

(61) Patent of Addition to Application Number :NA

Application Number Filing Date :NA

(62) Divisional to Application
Number
Siling Data
:NA

Filing Date

(71)Name of Applicant:

1)NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD

Address of Applicant :3 11 Primrose Avenue Rosebery NSW

2018 Australia

(72)Name of Inventor: 1)KRITZELR Steven 2)KRITZLER Michael

(57) Abstract:

The invention relates to a biocidal composition comprising a carboxyl functional polymer and biocidal quaternary ammonium ions. The polymer is a copolymer comprising maleic acid monomer units and/or anions thereof and vinyl ether componer units. The composition may be in the form of a film on a surface or in the form of a solution.

No. of Pages: 49 No. of Claims: 40

(22) Date of filing of Application :20/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SURGICAL INSTRUMENT SYSTEM WITH MULTIPLE LENGTHS OF BROACHES SHARING A COMMON GEOMTRY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61F :61/703,404 :20/09/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	L DTHOMAS L. BERNASEK
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#### (57) Abstract:

A modular knee prosthesis system includes a femoral component having a stem and a plurality of different sizes of sleeves mountable on the stem. The system is modular, and provides the surgeon with the option of distally offsetting the joint line by selecting the size of sleeve that will provide the desired joint line. The different sizes of sleeves have different axial lengths but share a common geometry along a substantial part of their lengths so that the same bone cavity will accept multiple sizes of sleeves.

No. of Pages: 84 No. of Claims: 19

(21) Application No.4010/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: GREASE DELIVERY RECEIVER AND NOZZLE HAVING PRESSURIZATION LOCKOUT AND BLEED DOWN CAPTURE

(51) International classification: F16L29/02,F16L37/12,F16L37/00 (71) Name of Applicant:

(31) Priority Document No :13/277136

(32) Priority Date :19/10/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/061220

:19/10/2012 Filing Date

(87) International Publication

:WO 2013/059748 No

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)COOLEY Robert Charles

Address of Applicant : Robert C. Cooley 1088 West 200 South

Springville Utah 84663 U.S.A. (72)Name of Inventor:

1)COOLEY Robert Charles

#### (57) Abstract:

A grease and lubricating oil line coupler includes a nozzle and a receiver which can be intercoupled for grease or lubricating oil delivery. Each component has a normally closed easily cleanable flush faced mating surface which prevents the entrance of contaminants into the free ends thereof when decoupled. The nozzle has a handle operated internal valve with an interlock that is controlled by a quick disconnect slidable collar which prevents the release of lubricants from the nozzle unless it is coupled to the receiver. Only when the nozzle and receiver are interconnected can the valve be opened; only when the valve is closed can the nozzle be decoupled from the receiver. A high pressure bleed off feature returns high pressure excess lubricant within the coupler to the lubricant storage tank when the handle of the nozzle is returned to its OFF position prior to decoupling it from the receiver.

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

(21) Application No.2732/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/04/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: CATALYSTS

(51) International classification	:C07F13/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)OMG ADDITIVES LIMITED
(32) Priority Date	:NA	Address of Applicant :Floor five 100 Wood Street London
(33) Name of priority country	:NA	EC2V 7EX U.K.
(86) International Application No	:PCT/CN2011/001518	2)UNILEVER CHINA (INVESTING) COMPANY
Filing Date	:08/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2013/033864	1)KEMP Richard William
(61) Patent of Addition to Application	:NA	2)HAGE Ronald
Number	:NA	3)ZHAO Wei
Filing Date	.NA	4)ZHANG Jianrong
(62) Divisional to Application Number	:NA	5)JIANG Yong
Filing Date	:NA	6)XIE Hong

### (57) Abstract:

The present invention concerns the synthesis of dry powdered manganese complexes using spray drying or freeze drying methods.

No. of Pages: 45 No. of Claims: 34

(19) INDIA

(22) Date of filing of Application :05/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DRINKING CUP LID WITH DRINKING APERTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B65D43/02 :10 2011 112 506.3 :07/09/2011 :Germany :PCT/EP2012/003722 :05/09/2012 :WO 2013/034290 :NA :NA	(71)Name of Applicant: 1)FELDMANN+SCHULTCHEN DESIGN STUDIOS GMBH Address of Applicant: Himmelstrasse 10 16 22299 Hamburg Germany (72)Name of Inventor: 1)FELDMANN Andr 2)SCHULTCHEN Arne
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2733/DELNP/2014 A

### (57) Abstract:

According to the invention a drinking cup lid with at least one drinking aperture (34) and a lid periphery (24) for sealing insertion into the drinking opening of a cup is characterized in that a plurality of drinking apertures are distributed uniformly over a circumference of the lid.

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

(21) Application No.4015/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014

(43) Publication Date: 20/02/2015

(54) Title of the invention: N-(1,2,5-OXADIAZOL-3-YL), N-(1,3,4-OXADIAZOL-2-YL), N-(TETRAZOL-5-YL), AND N-(TRIAZOL-5-YL) ARYL CARBOXYLIC ACID AMIDES AND USE THEREOF AS HERBICIDES

(51) International

classification

(31) Priority Document :11193166.3

(32) Priority Date :13/12/2011

(33) Name of priority

:EPO country

(86) International

:PCT/EP2012/074975 Application No :10/12/2012

Filing Date

(87) International

:WO 2013/087577 Publication No

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

:NA Filing Date (62) Divisional to

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

1)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Str. 10 40789 Monheim

Germany

(72)Name of Inventor:

1)K-HN Armin

2)LEHR Stefan

3)BRAUN Ralf

4)D-RNER RIEPING Simon

5)AHRENS Hartmut

6)DIETRICH Hansjrg

7)H., USER HAHN Isolde

8)ROSINGER Christopher Hugh

9)GATZWEILER Elmar

#### (57) Abstract:

The invention relates to N-(1,2,5-oxadiazol-3-yl), N-(1,3,4-oxadiazol-2-yl), N-(tetrazol-5-yl), and N-(triazol-5-yl) aryl carboxylic acid amides of general formula (I) as herbicides. In said formula (I), R, V, X, Y, and Z stand for groups such as hydrogen, organic groups such as alkyl, and other groups such as halogen. Q Stands for a tetrazolyl, triazolyl, or oxadiazolyl group. W Stands for CY or N.

No. of Pages: 150 No. of Claims: 14

(21) Application No.4016/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: RULABLE MULTI DIRECTIONAL PRISM CLUSTER RETROREFLECTIVE SHEETING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G02B5/124 :13/286505 :01/11/2011 :U.S.A. :PCT/US2012/062531 :30/10/2012 :WO 2013/066844 :NA :NA :NA	(71)Name of Applicant:  1)AVERY DENNISON CORPORATION Address of Applicant: 150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)CHAPMAN Steven R. 2)WU Feng
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#### (57) Abstract:

A rotationally insensitive retroreflective prismatic sheeting and method of manufacture is provided. The sheeting includes discrete clusters of cube corners that are separated from one another on all sides by a textured surface. Each of the cube corners in each cluster has a base edge that is not collinear or parallel with the base edges of cube corners on either side of it. The array of cube corners clusters is rulable and the cube corners have different orientations. Four or more of the cube corners in each cluster may have edges that converge into a central point within the cluster and the cube corners of the clusters may include at least two symmetrical pairs of cube corners. The shapes of the cube corner clusters may be polygonal and all of the cube corners may share a common vertex located at the center of the polygonal shape.

No. of Pages: 40 No. of Claims: 29

(19) INDIA

(21) Application No.4017/DELNP/2014 A

(22) Date of filing of Application :19/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : REUSABLE LINEAR STAPLER CARTRIDGE DEVICE FOR TISSUE THICKNESS 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</li> </ul>	:A61B17/072 :13/313215 :07/12/2011 :U.S.A. :PCT/US2012/067523 :03/12/2012 :WO 2013/085827 :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati Ohio 45242 U.S.A. (72)Name of Inventor:  1)VASUDEVAN Venkataramanan Mandakolathur 2)HALL Steven G.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A surgical instrument (20) includes a body a removable insert (200) including a measurement indicator (212) and an end effector (80) positioned at a distal end of the body. The end effector has a distal interior surface (204) facing a proximal end of the body. The end effector is configured to receive the insert. An actuation feature is in communication with the end effector and the insert when the insert is received in the end effector. The actuation feature is configured to advance the insert distally toward the distal interior surface of the end effector. The measurement indicator of the removable insert is configured to determine the thickness of tissue positioned between the removable insert and the distal interior surface of the end effector. Based on the measured tissue thickness a user selects a cartridge configured to at least staple (and perhaps also sever) the measured tissue. The cartridge is received within the end effector.

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

(21) Application No.4018/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: FATTY ACID ESTER COMPOSITIONS FOR USE AS EMOLLIENTS

(51) International

:C07C69/26,A61K8/37,A61Q19/00

classification (31) Priority Document No

:1122220.5

(32) Priority Date (33) Name of priority country: U.K.

:23/12/2011

(86) International Application

:PCT/GB2012/052918

:26/11/2012 Filing Date

(87) International Publication

:WO 2013/093411

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)CRODA INTERNATIONAL PLC

Address of Applicant: Cowick Hall Snaith Goole Yorkshire

DN14 9AA U.K.

(72)Name of Inventor:

1)PEEVERS Rebecca Louise

2)LATUS John Robin

3)TOWNEND Jonathan David

#### (57) Abstract:

A novel fatty acid ester having the general formula R-COOR 2 wherein R1 and R2 are hydrocarbon groups derived from a branched fatty acid and an alcohol, respectively. R 1 is derived from a branched fatty acid which has been refined from a com mercially available acid to give a product with a high concentration of monobranched fatty acids and a low concentration of poly - branched fatty acids. The use of the ester derived from the refined fatty acid is found to be particularly useful in personal care com - positions, for example as an emollient.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: THREAD GUIDING RING FOR A SPINNING MACHINE OR A TWISTING MACHINE

(51) International classification :D01H7/56,D01H7/58,D01H7/62 (71)Name of Applicant: (31) Priority Document No :10 2011 053 661.2

(32) Priority Date :16/09/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/067155

No :04/09/2012 Filing Date

(87) International Publication No:WO 2013/037660

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) DEUTSCHE INSTITUTE FR TEXTIL UND

FASERFORSCHUNG DENKENDORF

Address of Applicant: Krschtalstrae 26 73770 Denkendorf

Germany

(72)Name of Inventor: 1)SCHNEIDER J<sup>1</sup>/<sub>4</sub>rgen 2)HEITMANN Uwe

3)AUSHEYKS Larissa

### (57) Abstract:

The invention relates to a thread guiding ring for a ring spinning machine or a twisting machine comprising a running surface (4) for a ring traveler (3) which deflects the thread (F) during the winding of a thread (F) onto a bobbin tube (S) and in the process is moved by the thread (F) along the running surface (4) wherein the running surface (4) has grooves (5 6 7 8) which are arranged at an angle to an intended direction of motion (BR) of the ring traveler (3).

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: GAS SAMPLING DEVICE AND INSPECTION 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></ul>	:G01N1/22 :2011194315 :06/09/2011 :Japan	(71)Name of Applicant: 1)ATONARP INC. Address of Applicant:16 1 Tenjin cho Hachioji shi Tokyo 1920074 Japan
(86) International Application No Filing Date	:PCT/JP2012/005596 :04/09/2012	(72)Name of Inventor : 1)MURTHY Prakash Sreedhar
(87) International Publication No	:WO 2013/035306	2)IMAI Akira
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is an inspection device that includes a gas sampling device and a sensor for detecting a chemical substance contained in the gas sampled by the gas sampling device. The gas sampling device has: an air supply unit for forming an air curtain covering a region in which a substance to be inspected is contained and creating a space separated from the surrounding environment; a sampling unit for sampling the gas inside the separated space; and a dispersion gas supply unit for supplying gas to be dispersed in an amount at least equal to the amount sampled by the sampling unit. Therein the sampling unit includes a plurality of sampling nozzles positioned in locations within the separated space that differ three dimensionally from one another.

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

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : LOW OIL COMPOSITIONS COMPRISING A 4-SUBSTITUTED RESOCRCINOL AND A HIGH CARBON CHAIN ESTER

(51) International classification	:A61O	(71)Name of Applicant :
(31) Priority Document No	:13/624,998	(71)Name of Applicant: 1)JOHNSON & JOHNSON CONSUMER COMPANIES,
(32) Priority Date	:24/09/2012	l '
(33) Name of priority country	:U.S.A.	Address of Applicant :GRANDVIEW ROAD, SKILLMAN,
(86) International Application No	:NA	NJ 08558, U.S.A. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MARISA DEVITA DUFORT
(61) Patent of Addition to Application Number	:NA	2)SIMARNA KAUR
Filing Date	:NA	3)MICHAEL D. SOUTHALL
(62) Divisional to Application Number	:NA	4)PING WEN
Filing Date	:NA	5)JEFFREY M. WU

### (57) Abstract:

A composition including water, about 0.1% to about 0.4% of a 4-substituted 5 resorcinol, an ester having at least about 25 carbon atoms, and a polymeric emulsifier is provided. The composition comprises less than about 5% by weight of oils and is substantially free of monomeric emulsifier. Methods of treating the skin are also provided.

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

(21) Application No.4030/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : ANTIGEN BINDING PROTEIN AND ITS USE AS ADDRESSING PRODUCT FOR THE TREATMENT CANCER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07K16/28 :11306416.6 :03/11/2011 :EPO :PCT/EP2012/071833 :05/11/2012 :WO 2013/064685 :NA :NA	(71)Name of Applicant:  1)PIERRE FABRE MEDICAMENT  Address of Applicant: 45 place Abel Gance F 92100 Boulogne Billancourt France (72)Name of Inventor:  1)BEAU LARVOR Charlotte 2)GOETSCH Liliane 3)BOUTE Nicolas
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to an antigen binding protein in particular a monoclonal antibody capable of binding specifically to the protein Axl as well as the amino and nucleic acid sequences coding for said protein. From one aspect the invention relates to an antigen binding protein or antigen binding fragments capable of binding specifically to Axl and by inducing internalization of Axl being internalized into the cell. The invention also comprises the use of said antigen binding protein as an addressing product in conjugation with other anti cancer compounds such as toxins radio elements or drugs and the use of same for the treatment of certain cancers.

No. of Pages: 143 No. of Claims: 14

(21) Application No.4031/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: MOTOR CONTROL DEVICE

(51) International classification (31) Priority Document No	:H02P29/02,B60L3/00,B60L15/20 :2011255710	(71)Name of Applicant: 1)NTN CORPORATION
(32) Priority Date	:24/11/2011	Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5500003 Japan
(86) International Application No Filing Date	:PCT/JP2012/080321 :22/11/2012	(72)Name of Inventor : 1)OZAKI Takayoshi
(87) International Publication No	:WO 2013/077407	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A temperature sensor (Sa) for detecting the temperature (Tc) of the motor coil of a motor (6) is disposed on said motor coil. Multiple threshold values are set with regard to the temperature (Tc) detected by means of the temperature sensor (Sa) current restriction conditions that are different from one another are set for each temperature region divided by means of each threshold value and a motor current restriction means (95) restricts the current value of the motor (6) in accordance with the current restriction condition of the temperature region containing the detected temperature (Tc). As a consequence the temperature of the motor is managed without preventing a vehicle from being driven.

No. of Pages: 38 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: SYNTHESIS OF HIGH ACTIVITY LARGE CRYSTAL ZSM 5

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C01B39/38,C07C6/12 :61/565635 :01/12/2011 :U.S.A. :PCT/US2012/066588 :27/11/2012 :WO 2013/081994	(71)Name of Applicant: 1)EXXONMOBIL RESEARCH AND ENGINEERING COMPANY Address of Applicant: 1545 Route 22 East P.O. Box 900 Annandale NJ 08801 0900 U.S.A. (72)Name of Inventor: 1)LAI Wenyih Frank
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)HAMILTON Merci A.
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3838/DELNP/2014 A

#### (57) Abstract:

In a process for preparing a high activity, large crystal ZSM-5 type zeolite in the absence of a template, a reaction mixture can be prepared comprising water, a silica source having a surface area less than 150 m2/g, an alumina source, seeds, a source of an oxide of an alkali metal, M, and a source of gluconic acid or salt thereof, Q, wherein the mixture has a S1O2/AI 2O3 molar ratio <40. The reaction mixture can be heated to a crystallization temperature from about  $100^{\circ}\text{C}$  to  $200^{\circ}\text{C}$  for a time sufficient for crystals of ZSM-5 to form. Crystals of ZSM-5 can then be recovered from the reaction mixture which crystals can have a S1O2/AI 2O3 molar ratio <40 and a majority of which crystals can have at least one crystalline dimension of at least about 2 m .

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

(21) Application No.4034/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR CONVERTING CLASS II HYDRATE RESERVOIRS

(51) International classification	:E21B37/06,C08G69/10,C08F226/06	(71)Name of Applicant: 1)CHEVRON U.S.A. INC.
(31) Priority Document No	:13/285936	Address of Applicant :6001 Bollinger Canyon Road San
(32) Priority Date	:31/10/2011	Ramon California 94583 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)BALCZEWSKI John T.
(86) International Application No Filing Date	:PCT/US2012/057196 :26/09/2012	
(87) International Publication No	:WO 2013/066527	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Clathrate reservoirs of Class II are modified in order to improve the ability to produce hydrocarbons from them. Specifically a method for improving producibility of subsurface clathrate formation underlain by a mobile aquifer includes drilling a borehole to a depth providing access to the mobile aquifer and injecting a material into the mobile aquifer such that the material passes through pore spaces and forms a barrier underlying the clathrate formation and substantially impeding fluid flow from the mobile aquifer into contact with the clathrate formation.

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

(21) Application No.4035/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : SURFACE TREATED ZINC OXIDE POWDER ANTI BACTERIAL AGENT AND ANTI BACTERIAL COMPOSITION

(51) International classification	:C01G9/02,A01N59/16,A01P3/00	(71)Name of Applicant :
(31) Priority Document No	:2011-251935	1)SAKAI CHEMICAL INDUSTRY CO. LTD.
(32) Priority Date	:17/11/2011	Address of Applicant :5 2 Ebisujima cho Sakai ku Sakai shi
(33) Name of priority country	:Japan	Osaka 5908502 Japan
(86) International Application	.DCT/ID2012/070471	(72)Name of Inventor:
No	:PCT/JP2012/079471	1)HASHIMOTO Mitsuo
Filing Date	:14/11/2012	2)MAGARA Koichiro
(87) International Publication	:WO 2013/073555	3)NISHIDA Kunitada
No	. 11 0 2013/0/3333	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	INA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

# (57) Abstract:

To provide: a zinc oxide powder having an average particle diameter of 1.1 µm or more and having an anti bacterial activity; an anti bacterial agent comprising the zinc oxide powder; and an anti bacterial composition containing the anti bacterial agent. [Solution] A surface treated zinc oxide powder which has an average particle diameter of 1.1 µm or more and of which the surface is treated with at least one compound selected from silicon oxide a silicone oil an organosilicon compound and an organotitanium compound.

No. of Pages: 26 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: METERING MODULE FEATURING AIR GAP INSULATION

(51) International classification :F01N3/20,F02M53/04 (71)Name of Applicant : (31) Priority Document No :102011086798.8 (32) Priority Date :22/11/2011

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2012/072949 Filing Date :19/11/2012

(87) International Publication No :WO 2013/076028

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)ROBERT BOSCH GMBH

(21) Application No.4036/DELNP/2014 A

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor: 1)KIONTKE Martin 2)POHL Stephan 3)KNITTEL Achim

(57) Abstract:

The invention relates to a device for cooling a metering module (10), in particular a module for metering an operating agent/auxiliary agent such as a reducing agent into the exhaust gas System of an internal combustion engine. A cooling device comprising a cooling member (17, 20, 24, 28, 29) through which a cooling liquid flows is associated with the metering module (10). The cooling member (17, 20, 24, 28, 29) acts as a housing (12) for the metering module (10). A first group of parts (17, 20, 28) forms an air gap insulation (38; 54, 56, 58) on an electric contact (16, 36), while cooling fluid flows through a second group of parts (28, 29, 40).

No. of Pages: 17 No. of Claims: 12

(21) Application No.4037/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: METHOD AND DEVICE FOR ZERO QUANTITY CALIBRATION OF A FUEL INJECTOR VALVE

(51) International :F02D41/14,F02D41/40,F02D41/24 classification

(31) Priority Document No :10 2011 089 296.6 (32) Priority Date :20/12/2011

(86) International Application :PCT/EP2012/074271

:03/12/2012 Filing Date

(33) Name of priority country: Germany

(87) International Publication :WO 2013/092190

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)ROBERT BOSCH GMBH

Address of Applicant : Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor: 1)WALTER Michael 2)PALMER Joachim 3) RUPP Andreas 4)BOLLINGER Stefan

(57) Abstract:

The present invention relates to a method and a device for calibrating a fuel metering system having at least one injector in an internal combustion engine in particular of a motor vehicle wherein there is at least one preliminary injection temporally prior to a main injection and an injector to be calibrated is subjected to at least two test injections temporally prior to the at least one preliminary injection; the first test injection is performed with a first actuation duration during which the injector does not yet open and the at least second test injection is performed in a subsequent injection cycle with a respective incrementally increased actuation duration relative to the first test injection until a change of an operating parameter of the fuel metering system or the internal combustion engine occurs; a minimum actuation duration for the injector is determined from the actuation duration present at said change of the operating parameter.

No. of Pages: 21 No. of Claims: 11

(12) THE INTEREST TO TO BEIGHT O

(21) Application No.3859/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AN AEROSOL GENERATING DEVICE HAVING AN INTERNAL HEATER

(51) International classification :A24F47/00,A61M15/06 (71)Name of Applicant : (31) Priority Document No 1)PHILIP MORRIS PRODUCTS S.A. :11192696.0 (32) Priority Date Address of Applicant: Ouai Jeanrenaud 3 CH 2000 Neuchatel :08/12/2011 (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2012/074510 (72)Name of Inventor: Filing Date :05/12/2012 1)DUBIEF Flavien (87) International Publication No :WO 2013/083631 2)COCHAND Olivier (61) Patent of Addition to Application 3)THORENS Michel :NA Number 4)FLICK Jean Marc :NA Filing Date 5)DEGOUMOIS Yvan (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

There is provided an aerosol generating device for heating an aerosol forming substrate. The device comprises a storage portion (101) for storing the aerosol forming substrate and a vaporizer (105; 105) for heating the aerosol forming substrate to form an aerosol. The storage portion (101) has an outer housing and an internal passageway (103) the storage portion forming a reservoir for the aerosol forming substrate between the outer housing and the internal passageway and the vaporizer (105; 105) extends at least partially lining the internal passageway (103) in the storage portion(101). The device further comprises a porous interface (107) at least partially lining the internal passageway (103) for conveying the aerosol forming substrate from the storage portion (101) towards the vaporizer (105; 105).

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD SERVER AND USER EQUIPMENT FOR ACCESSING AN HTTP SERVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:NA :NA :NA :PCT/EP2011/072318 :09/12/2011 :WO 2013/083200	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 16483 Stockholm Sweden (72)Name of Inventor:  1)NOLDUS Rogier August Caspar Joseph
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method for accessing a Hypertext Transfer Protocol (HTTP) server from a user equipment. The method comprises the steps of transmitting by the user equipment an HTTP message destined for that HTTP server to an Internet Protocol Multimedia Subsystem (IMS) server with which the user equipment is in a connection determining by the IMS server on the basis of the HTTP message whether a trust relation exists between the IMS server and the HTTP server and if a trust relation exists transmitting the HTTP message from the IMS server to the HTTP server.

No. of Pages: 23 No. of Claims: 1

(19) INDIA

(22) Date of filing of Application :20/05/2014

(21) Application No.4052/DELNP/2014 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: HERBICIDAL COMPOUNDS

(51) International :C07D237/16,C07D401/04,C07D413/10 classification

:1121317.0

(31) Priority Document

(32) Priority Date :09/12/2011

(33) Name of priority :U.K.

country

(86) International

:PCT/EP2012/074781 Application No :07/12/2012

Filing Date

(87) International :WO 2013/083774 Publication No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

Filing Date

(71)Name of Applicant: 1)SYNGENTA LIMITED

Address of Applicant : European Regional Centre Priestlev Road Surrey Research Park Guildford Surrey GU2 7YH U.K.

(72)Name of Inventor:

1)WHITTINGHAM William Guy 2)MULHOLLAND Nicholas Phillip

3)VINER Russell

4)ELLIOTT Alison Clare 5)BRIDGWOOD Katy Louise

6)CLOUGH John Martin 7)BEAUTEMENT Kevin 8)MITCHELL Glynn 9)MUNNS Gordon

## (57) Abstract:

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

No. of Pages: 61 No. of Claims: 15

(22) Date of filing of Application :20/05/2014

(19) INDIA

(54) Title of the invention: HIGH TEMPERATURE THERMAL BARRIER COATING

(51) International :C04B35/119,C04B35/488,C23C14/06 classification

(31) Priority Document No :01800/11 (32) Priority Date :10/11/2011

(33) Name of priority :Switzerland country

(86) International

:PCT/EP2012/071839 Application No

:05/11/2012 Filing Date

(87) International Publication No

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

:WO 2013/068315

:NA

:NA :NA (71)Name of Applicant:

1)ALSTOM TECHNOLOGY LTD

(21) Application No.4053/DELNP/2014 A

(43) Publication Date: 20/02/2015

Address of Applicant :Brown Boveri Strasse 7 CH 5400

Baden Switzerland

2)EIDGEN-SSISCHE TECHNISCHE HOCHSCHULE

ZRICH

(72)Name of Inventor:

1)WITZ Gregoire Etiennne 2)BOSSMANN Hans Peter

3)BHATTACHARYA Anup Kumar

4)SHKLOVER Valery

### (57) Abstract:

Filing Date

A high temperature thermal barrier coating (13) which consists of a stabilized ZrO2 composition for the protection of thermally loaded components (10, 10) of a thermal machine especially a gas turbine is disclosed. Said thermal barrier coating (13) is stabilized with at least 15 mol% Yi+vTai vO4-v, the Zry3/4 is partially substituted by at least 10 mol% Hf(3/4 and the composition is established according to the formula YiTai0 4y)z (Zr xHj x02)i-z, with x ranging from 0.1 to 0.5, v ranging from -0.1 to 0.2 and z ranging from 0.15 to 0.25.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: A METHOD AND A DEVICE FOR CLEANING AN ELECTROSTATIC PRECIPITATOR

(51) International classification :B03C3/74,B03C3/66,B03C3/41 (71)Name of Applicant : (31) Priority Document No :11191167.3 (32) Priority Date :29/11/2011 (33) Name of priority country :EPO

(86) International Application No: PCT/IB2012/055953 Filing Date :28/10/2012

(87) International Publication No: WO 2013/080065

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

1)ALSTOM TECHNOLOGY LTD Address of Applicant :Brown Boveri Strasse 7 5400 Baden

Switzerland

(72)Name of Inventor: 1)B,,CK Andreas

### (57) Abstract:

Filing Date

A method of cleaning at least one collecting electrode of an electrostatic precipitator comprises applying in a first mode of operation a first average current between at least one discharge electrode and at least one collecting electrode and switching from the first mode of operation to a second mode of operation in which a second average current is applied between the at least one discharge electrode and the at least one collecting electrode the second average current being a factor of at least 3 higher than the first average current to achieve a forced cleaning of the at least one collecting electrode.

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

(21) Application No.3860/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PRODUCTION OF A SPARKLING ALCOHOLIC BEVERAGE CONTAINING A SPIRIT

(51) International classification	:C12C3/02,C12C3/12,C12G3/02	(71)Name of Applicant:
(31) Priority Document No	:1103122	1)CIT‰ Kelly
(32) Priority Date	:13/10/2011	Address of Applicant :77 rue dAlsace 92110 Clichy France
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No.	:PCT/FR2012/000410	1)CIT‰ Kelly
Filing Date	:11/10/2012	
(87) International Publication No	:WO 2013/054011	
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to Application	.NT A	
Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for producing a sparkling alcoholic beverage containing a spirit from one of the following groups: rum, cognac, whiskey, tequila, vodka, sake, etc., said method comprising 7 stages.

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

(21) Application No.3861/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : SONOTRODE AND DEVICE FOR REDUCING AND ELIMINATING FOAMING OF LIQUID PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60B3/04 :11189063.8 :14/11/2011 :EPO :PCT/EP2012/072458 :13/11/2012 :WO 2013/072296 :NA :NA :NA	(71)Name of Applicant:  1)TELSONIC HOLDING AG Address of Applicant: Industriestrasse 6b CH 9552  Bronschhofen Switzerland 2)CAVITUS SOLUTIONS PTY LTD (72)Name of Inventor: 1)BTTIKER Albert 2)KELLER Holger 3)BATES Darren
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#### (57) Abstract:

Sonotrode (10) and device (20) with at least one sonotrode (10) for generating an ultrasonic field in industrial production processes such as chemical food petroleum pharmaceutical beverage or mining related processes for reducing and eliminating foaming of liquid products with a compact one piece form of the sonotrode body wherein the sonotrode (10) is provided with a main body part (1) having connecting means for connection with a high frequency generator and having a front face (2) from which the ultrasonic field is directed to the desired spot or area of the product (3) to be de foamed wherein the main body part (1) has the shape of a compact block element and in that the front face (2) is concave in shape in relation to a product surface such that the ultrasonic field is focused and directed to a specific area of a product foam (3) to be treated in a concentrated form compared to a non focused ultrasound.

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

(21) Application No.3862/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: GLP 1 RECEPTOR AGONIST PEPTIDE GASTRIN CONJUGATES

(51) International classification	:A61K47/48,A61P3/10	(71)Name of Applicant:
(31) Priority Document No	:61/555,435	1)ZEALAND PHARMA A/S
(32) Priority Date	:03/11/2011	Address of Applicant :Smedeland 36 DK 2600 Glostrup
(33) Name of priority country	:U.S.A.	Copenhagen Denmark
(86) International Application No	:PCT/EP2012/071766	(72)Name of Inventor:
Filing Date	:02/11/2012	1)TOLBORG Jakob Lind
(87) International Publication No	:WO 2013/064669	2)NEERUP Trine Skovlund Ryge
(61) Patent of Addition to Application	:NA	3)FOSGERAU Keld
Number	:NA	4)~STERLUND Torben
Filing Date	.11/1	5)ALMHOLT Dorthe Lennert Christensen
(62) Divisional to Application Number	:NA	6)LARSEN Lone Frost
Filing Date	:NA	

### (57) Abstract:

The present invention relates inter alia to certain peptide conjugates and to the use of the conjugates in the treatment of a variety of diseases or disorders including diabetes (type 1 and/or type 2) and diabetes related diseases or disorders.

No. of Pages: 64 No. of Claims: 48

(21) Application No.3863/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: PESTICIDAL MIXTURES INCLUDING SPIROHETEROCYCLIC PYRROLIDINE DIONES

(51) International :A01N47/02,A01N43/90,A01N43/707 classification

(31) Priority Document No :11191433.9 (32) Priority Date :30/11/2011

(33) Name of priority

:EPO country

(86) International :PCT/EP2012/073890

Application No :29/11/2012 Filing Date

(87) International

:WO 2013/079564 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)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor: 1)BUCHHOLZ Anke 2)HATT Fabienne

3)RINDLISBACHER Alfred 4)MUEHLEBACH Michel

#### (57) Abstract:

Filing Date

A pesticidal mixture comprising as active ingredient a mixture of component A and component B, wherein component A is a compound of formula (I), in which O is i or ii wherein X, Y and Z, m and n, A, G, and R, are as defined as in claim 1, and component B is a compound selected from the insecticides as defined in claim 1. The present invention also relates to methods of using said mixtures for the control of plant pests.

No. of Pages: 70 No. of Claims: 18

(21) Application No.4057/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: OWNHOLE FLUID FLOW CONTROL SYSTEM HAVING PRESSURE SENSITIVE AUTONOMOUS **OPERATION**

(51) International :E21B34/08,E21B44/06,E21B43/20

classification

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

(86) International Application :PCT/US2012/027463

No :02/03/2012 Filing Date

(87) International Publication :WO 2013/130096

(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)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :2601 Beltline Road Carrollton TX

75006 U.S.A.

(72)Name of Inventor:

1)FRIPP Michael Linley 2)GANO John Charles

### (57) Abstract:

A downhole fluid flow control system is operable to be positioned in a wellbore in a fluid flow path between a formation and an internal passageway of a tubular. The system includes a flow control component positioned in the fluid flow path that is operable to control fluid flow therethrough. The system also includes a pressure sensitive valve positioned in the fluid flow path in parallel with the flow control component. The valve autonomously shifts from a first position to a second position responsive to a change in a pressure signal received by the valve thereby enabling fluid flow therethrough.

No. of Pages: 29 No. of Claims: 26

(21) Application No.4058/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: FUNCTIONALIZED SURFACE FOR FLOW CONTROL DEVICE

 $:\!E21B34/06,\!E21B21/08,\!E21B21/10 \bigg| (71) \textbf{Name of Applicant:}$ (51) International classification

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

(86) International Application :PCT/US2011/066410

:21/12/2011 Filing Date

(87) International Publication :WO 2013/095419

No

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

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

1)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :10200 Bellaire Boulevard Houston

Texas 77072 U.S.A. (72)Name of Inventor: 1)FRIPP Michael Linley 2)PELLETIER Michael T.

3)DYKSTRA Jason D.

(57) Abstract:

Flow control devices can include functionalized surfaces on inner regions of walls. A functionalized surface can include a hydrophilic and/or a hydrophobic material that can affect fluid flowing in a flow path of a wall to facilitate fluid selection by the flow control device. Fluids may be switched in a flow control device using a functionalized surface even when a density and viscosity of different oil and water mixtures of the fluids are the same.

No. of Pages: 22 No. of Claims: 17

(21) Application No.4064/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: METHOD FOR THE GENERATION AND CULTIVATION OF A PLANT CELL PACK

(51) International :C12N15/82,C12N11/12,C12P21/02 classification

(31) Priority Document No :EP 12 000 618.4 (32) Priority Date :31/01/2012

(33) Name of priority country: EPO

(86) International Application :PCT/EP2013/000296

:31/01/2013

Filing Date

(87) International Publication: WO 2013/113504 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)FRAUNHOFER GESELLSCHAFT ZUR F-RDERUNG

DER ANGEWANDTEN FORSCHUNG E.V.

Address of Applicant :Hansastrae 27C 80686 M<sup>1</sup>/<sub>4</sub>nchen

Germany

(72)Name of Inventor:

1)RADEMACHER Thomas

### (57) Abstract:

The present invention relates to the generation and cultivation of plant cell material in the form of a non tissue multilayer cell pack and its use for the accumulation or harvesting of a desired product. In particular the invention provides a method for the generation of plant cell material in the form of a medium deprived porous structured and non tissue multilayer cell pack and for the subsequent maintenance of said cell pack comprising the steps of (i) providing a cell pack by separating cells from a plant cell suspension culture wherein the content of the liquid comprised by the cell pack is reduced and adjusted to correspond to a cell pack density between 0.1 and 0.9 g wet cell weight per cm3 thereby establishing the medium deprived and porous structured nature of said cell pack and (ii) incubating said medium deprived and porous structured cell pack in a non liquid environment under a relative humidity of 50 to 100 %.

No. of Pages: 79 No. of Claims: 13

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: METHODS OF DESIGNING MOLDS FOR MACHINING COST REDUCTION

(51) International classification: A61B17/58, A61B17/60, B22F1/00 (71) Name of Applicant: (31) Priority Document No 1)SMITH & NEPHEW INC. :61/562006 (32) Priority Date :21/11/2011 Address of Applicant: 1450 Brooks Road Memphis Tennessee (33) Name of priority country: U.S.A. 38116 U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/066068 1)PORZEL Alec Paul No :20/11/2012 Filing Date 2)DYER Robert H. (87) International Publication 3)LUX Thomas William :WO 2013/078206 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

An orthopaedic knee cutting block prepared by a process comprising the steps of: creating a mold with a first core detail and a second core detail each of the core details corresponding to a volume; filling the mold with a mixture of a binder and a metal; releasing a green part from the mold the green part having a first void corresponding to the first core detail and a second void corresponding to the second core detail; removing the binder from the green part; heating the green part to create a sintered part; and machining the part by sawing a cutting slot such that the cutting slot overlaps with the first void and the second void. Alternatively the orthopaedic knee cutting instrument may be made by a simple metal casting method.

No. of Pages: 16 No. of Claims: 12

(21) Application No.4067/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SYNERGISTIC HERBICIDAL COMPOSITION CONTAINING PENOXSULAM AND GLUFOSINATE AMMONIUM

(51) I		(71) 1 0 4 1 4
(51) International classification	:A01N43/40,A01N43/90,A01N47/36	(71)Name of Applicant: 1)DOW AGROSCIENCES LLC
***************************************	:61/565076	Address of Applicant: 9330 Zionsville Road Indianapolis IN
(31) Priority Document No		**
(32) Priority Date	:30/11/2011	46268 U.S.A.
(33) Name of priority	:U.S.A.	(72)Name of Inventor:
country	.U.S.A.	1)MANN Richard K.
(86) International	DCT/LIC2012/066064	2)HUANG Yi hsiou
Application No	:PCT/US2012/066964	
Filing Date	:29/11/2012	
<u> </u>		
(87) International	:WO 2013/082228	
Publication No	. W O 2015/002220	
(61) Patent of Addition to	NIA	
Application Number	:NA	
	:NA	
Filing Date		
(62) Divisional to	:NA	
Application Number		
Filing Date	:NA	

### (57) Abstract:

A synergistic mixture of penoxsulam and glufosinate-ammonium controls weeds in crops, e.g., vineyards, orchards, perennial plantation crops, rice, corn, cereals, sorghum, soybeans, cotton, sunflower, oilseed rape, vegetables, turf, range and pashire, industrial vegetation management (rVM), rights-of-way and in any glufosinate-ammonium and/or ALS (acetolactate synthase)- tolerant crops.

No. of Pages: 24 No. of Claims: 26

(21) Application No.4068/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SUSPENSIONS OF CYCLOSPORIN A FORM 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K9/00 :61/559866 :15/11/2011 :U.S.A. :PCT/US2012/065011 :14/11/2012 :WO 2013/074625 :NA :NA :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)GORE Anuradha V.  2)MOHANTY Prem Swaroop 3)FARNES E. Quinn
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(57) Abstract:

Disclosed herein are methods of making suspensions of cyclosporin A Form 2.

No. of Pages: 38 No. of Claims: 15

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LOST MOTION VARIABLE VALVE ACTUATION 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>	:F01L1/34 :61/583913 :06/01/2012 :U.S.A. :PCT/US2012/069796 :14/12/2012 :WO 2013/103503 :NA :NA	(71)Name of Applicant:  1)SCUDERI GROUP INC.  Address of Applicant:1111 Elm Street Suite 33 West Springfield MA 01089 U.S.A. (72)Name of Inventor:  1)MELDOLESI Riccardo 2)SCHWOERER John 3)GILBERT Ian P. 4)LACY Clive 5)WENDEL Glenn
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Valve actuation systems are disclosed herein that allow valve opening timing to be varied using a cam phaser and that allow valve closing timing to be varied using a lost motion system. In one embodiment an actuation system is provided that has a locked configuration in which a bearing element is held in place between a cam and a rocker to transmit cam motion to an engine valve. The actuation system also has an unlocked configuration in which the bearing element is permitted to be at least partially ejected from between the cam and rocker such that cam motion is not transmitted to the engine valve. The actuation system is switched to the unlocked configuration by draining fluid therefrom through a main valve which is piloted by a trigger valve. The actuation system also includes integrated autolash and seating control functionality.

No. of Pages: 109 No. of Claims: 41

(21) Application No.2743/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WORKPIECE MANIPULATING APPARATUS

(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	:B25J :201207053-8 :21/09/2012 :Singapore :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)KEPPEL OFFSHORE & MARINE TECHNOLOGY CENTRE PTE LTD  Address of Applicant: 31 SHIPYARD ROAD, SINGAPORE 628130, SINGAPORE (72)Name of Inventor:  1)WONG, KOK SENG 2)QUEK, CHOON KIAT 3)NG, CHEE YEN
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### (57) Abstract:

Embodiments of the present invention provide workpiece manipulating apparatuses which eases the operation procedure, increased the safety level and productivity. In one embodiment, a workpiece manipulating apparatus has: first and second support frames disposed spaced apart from each other. Each support frame rotatably supports a fixture thereon. The fixtures are to clamp opposite end portions 10 of the workpiece thereto. The fixtures are rotatable relative to the first and second support frames about a horizontal axis to turn the workpiece.

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

(22) Date of filing of Application: 18/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: PROCESS AND APPARATUS FOR DIRECT CRYSTALLIZATION OF POLYMERS UNDER INERT GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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 :12186020.9 :16/09/2012 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant:  1)BUHLER THERMAL PROCESSES AG Address of Applicant:SANDACKERSTRASSE 24, CH- 9245 OBERBUREN, SWITZERLAND, (72)Name of Inventor:  1)CHRISTEL, ANDREAS 2)CULBERT, BRENT ALLAN 3)EUSEBIO, FERNANDO
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#### (57) Abstract:

The present invention relates to apparatus for continuous pelletization and crystallization of a 5 polymer, comprising a unit for forming a polymer pellet material and cooling the pellet material in a liquid cooling medium, an after-connected unit for drying the pellet material, wherein this unit comprises an exit opening for exporting gas, preferably air, a 10 crystallizer for crystallizing the pellet material, wherein the crystallizer communicates via a connection line with the pre-connected unit for separating the liquid cooling medium from the pellet material and drying the pellet material and comprises an inlet and 15 preferably an outlet for importing and exporting inert gas, wherein the crystallizer (6) communicates via the inlet (6b) with an inert gas tank, whereby the pressure in the crystallizer (6) can be increased relative to a pressure in the unit (4) for drying the pellet 20 material. The present invention further relates to a process for continuous production of partly crystalline polymer pellet material using such apparatus.

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

(21) Application No.4075/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BACKPACK BLOWER WORK APPARATUS

	:A01M7/00,E01H1/08,F04D25/08	
(31) Priority Document No	:2011-239271	1)MAKITA CORPORATION
(32) Priority Date	:31/10/2011	Address of Applicant :3 11 8Sumiyoshi choAnjo shi Aichi
(33) Name of priority country	:Japan	4468502 Japan
(86) International Application	:PCT/JP2012/071770	(72)Name of Inventor :
No	:29/08/2012	1)MIURA Masahiko
Filing Date	.29/08/2012	2)SHIMOOKA Ryouichi
(87) International Publication No	:WO 2013/065389	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The cleanability of a backpack blower work apparatus is improved. A backpack blower work apparatus (1) for generating an airflow using a blower (3) provided on a backpack frame wherein the blower (3) has an air intake port (41) facing the backpack frame with an interval interposed therebetween the air intake port (41) is covered with an air intake port cover (61) the backpack frame has a through hole (28) in front of the air intake port (41) and the through hole (28) is of a size into which a hand fits.

No. of Pages: 45 No. of Claims: 15

(21) Application No.4076/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: VEHICLE TRAVELING ON TRACK

(51) International classification	:B61D17/08,B61D17/18	(71)Name of Applicant:
(31) Priority Document No	:2011-255039	1)HITACHI LTD.
(32) Priority Date	:22/11/2011	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008280 Japan
(86) International Application No	:PCT/JP2012/078976	(72)Name of Inventor:
Filing Date	:08/11/2012	1)NAKAMURA Hideyuki
(87) International Publication No	:WO 2013/077192	2)YAMAMOTO Hisatoshi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a railway vehicle configured so that the efficiency of work for connecting a base frame and a side structure is improved and so that an interior panel can be mounted to the side structure without depending on the accuracy of assembling between the base frame and the side structure. A protrusion (26) protruding to the vehicle interior side is provided at the vehicle interior side lower end of a side structure (20). A receiving metal (61) is provided to the protrusion (26) so as to extend along the vehicle interior side surface of the side structure (20). The vehicle interior side end of the protrusion (26) and the vehicle interior side end of a base frame (10) are connected. A side panel (72) is provided to the vehicle interior side surface of the side structure (20) using an upper receiving metal (62) (see FIG. 2) provided to the side structure (20) and the receiving metal (61) provided to the lower end.

No. of Pages: 25 No. of Claims: 8

(22) Date of filing of Application :16/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: METHOD AND SYSTEM FOR DETERMINING THE STATE OF CHARGE OF A BASIC CELL AND A BATTERY

(21) Application No.3976/DELNP/2014 A

(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 (NA  NA  SNA  SNA  SNA  SNA  SNA  SNA	(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:23/10/2012 :WO 2013/060688 :NA :NA :NA	(71)Name of Applicant:  1)RENAULT S.A.S. Address of Applicant: 13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)LUCEA Marc 2)DRIEMEYER FRANCO Ana Lucia
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### (57) Abstract:

(19) INDIA

DETERMINING THE STATE OF CHARGE (SOCI, ) OF A BASIC CELL (I) OF AN ELECTRICITY STORAGE BATTERY COMPRISES A STEP OF PERIODICALLY ESTIMATING THE STATE OF CHARGE (SOCI, ) OF THE CELL WHEREIN THE ESTIMATING STEP COMPRISES A STEP OF CORRECTING THE ESTIMATED STATE OF CHARGE (SOCI, ) TO AT LEAST ONE PREDETERMINED STATE OF CHARGE VALUE (SOCPREDETERMINED). THE INVENTION ALSO RELATES TO A SYSTEM FOR DETERMINING THE STATE OF CHARGE.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: RECLINER FOR A VEHICLE SEAT AND VEHICLE SEAT

(51) International

:B60N2/235,G05G1/015,B60N2/44

classification

(31) Priority Document No (32) Priority Date

:10 2012 010 402.2 :22/05/2012

(33) Name of priority country: Germany

(86) International Application

:PCT/EP2013/060280

:WO 2013/174756

lever (5) is not actuated and i) the sensor (61) is fastened to the adapter (55).

:17/05/2013

Filing Date

(87) International Publication

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)KEIPER GMBH & CO. KG

Address of Applicant :Hertelsbrunnenring 2 67657

Kaiserslautern Germany (72)Name of Inventor:

1)TEUFEL Ingo

2)REIMER Peter 3)ASSMANN Uwe

4)PETERS Christoph

The invention relates to a recliner (10) for a vehicle seat (1) in particular for a motor vehicle seat comprising a) a first recliner part (11) and a second recliner part (12) which can be rotated relative to each other about an axis (A) wherein a toothed ring (17) is formed on the first recliner part (11) and guide segments (14) are formed on the second recliner part (12) b) bolts (16) which are movably guided between a locked state and an unlocked state by means of the guide segments (14) and which interact with the toothed ring (17) in the locked state in order to lock the recliner (10) c) a spring loaded rotatably supported eccentric (27) which acts on the bolts (16) in order to cause the bolts to interact with the toothed ring (17) d) a rotatably supported driver (21) for rotating the eccentric (27) e) an indicator (51) which is connected in a rotationally fixed manner to the driver (21) or to a fastening ring (24) fastened to the driver (21) and f) a sensor (61) which is connected to the recliner (10) and which detects a position change of the indicator (51) and converts said position change into an electrical output signal wherein according to the invention g) an adapter (55) connected to an operating lever (5) is rotatably supported on the driver (21) or on the fastening ring (24) fastened to the driver (21) h) the adapter (55) is returned to the initial position by means of a restoring spring (71) regardless of the locking state of the recliner (10) if the operating

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

(21) Application No.4071/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DEVICE FOR ACTUATING A BICYCLE BRAKE CABLE

(51) International classification	:B62L3/02,B60T11/04	(71)Name of Applicant:
(31) Priority Document No	:11 03472	1)SAGA BIKE
(32) Priority Date	:14/11/2011	Address of Applicant :9 avenue Bouthillier F 17410 Saint
(33) Name of priority country	:France	Martin de Re France
(86) International Application No	:PCT/FR2012/052633	(72)Name of Inventor:
Filing Date	:14/11/2012	1)SAVARD Franck
(87) International Publication No	:WO 2013/072630	
(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 subject matter of the invention is a device for actuating a cable (66) in a bicycle brake system said device comprising means for adjusting the tightness of the brake lever comprising a housing (50) intended to be mounted on a handlebar a stop (62) for receiving the sheath (64) of the cable (66) comprising a traction head and a lever (52) for actuating said cable characterised in that said lever comprises a housing (56) that receives means (58) for adjusting the tightness of the brake lever comprising an angle transmission (60) for guiding the cable (66).

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

(21) Application No.4073/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 20/02/2015

### (54) Title of the invention: APPARATUS AND METHOD FOR PROCESSING A CONCRETE TOWER SEGMENT OF A WIND **TURBINE**

(51) International classification: B28B11/12,B24B27/00,B28D1/18 (71) Name of Applicant:

(31) Priority Document No :10 2011 087 025.3

(32) Priority Date :24/11/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/073274

:21/11/2012 Filing Date

(87) International Publication :WO 2013/076166 No

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

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

Filing Date

1)WOBBEN PROPERTIES GMBH

Address of Applicant :Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor: 1)HORN G<sup>1</sup>/<sub>4</sub>nther 2)H-LSCHER Norbert 3)STRACKE Olaf

# (57) Abstract:

The invention relates to a processing apparatus for processing an upper segment edge (8) of a tower segment of a concrete tower (102) in order to prepare the tower segment for the attachment of at least one further tower segment. According to the invention it is proposed that the processing apparatus comprises a processing means (10) for processing the segment edge (8) and a supporting apparatus (32, 34) which is to be fastened in the region of the segment edge (8) and is intended for displaceably supporting and guiding the processing means (10) along the segment edge (8).

No. of Pages: 39 No. of Claims: 27

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: METHOD FOR PURIFYING VANILLIN BY LIQUID-LIQUID EXTRACTION

(51) International classification :C07C45/00,C
(31) Priority Document No :1161681
(32) Priority Date :15/12/2011
(33) Name of priority country :France

(86) International Application No :PCT/EP2012/075456 Filing Date :13/12/2012

(87) International Publication No :WO 2013/087795

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

:C07C45/00,C07C47/565 (71)Name of Applicant : 1161681 1)RHODIA OPERATIONS

Address of Applicant :40 rue de la Haie Coq F 93306

Aubervilliers France
(72)Name of Inventor:
1)VIBERT Martine
2)COCHENNEC Corine
3)ETCHEBARNE Alain

### (57) Abstract:

A method is described for purifying vanillin and derivatives thereof from a solution of vanillin or of a vanillin derivative in a solvent S1 containing impurities comprising the following steps: a) a step of evaporating the solvent S1 in the presence of water so as to obtain an aqueous solution of vanillin or of a vanillin derivative; b) a step of liquid/liquid extraction by bringing the aqueous solution obtained at the end of step a) into contact with a solvent S2 at a pH of greater than 8 and less than 10 so as to obtain an organic phase and an aqueous phase containing vanillin or a vanillin derivative and residual solvent S2; c) a step of precipitating at a pH between 4 and 7.5 the vanillin contained in the aqueous phase obtained at the end of step b) and d) a step of isolating the vanillin or a derivative thereof.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: METHOD FOR PROCESSING STARTING MATERIALS FOR RECYCLING

(51) International classification :B09B3/00,C22B7/00,F23G5/00 (71)Name of Applicant :

(31) Priority Document No :2013-130943 (32) Priority Date :21/06/2013

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/077577 Filing Date :10/10/2013

(87) International Publication No: WO 2014/203412

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

:NA Number :NA Filing Date

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan (72)Name of Inventor: 1)OGUMA Nobuhiro 2)TANAKA Fumito

(57) Abstract:

A method of treating recyclable raw materials containing valuable metals is provided, the method including the steps of: feeding recyclable raw materials 5 terials (W) containing valuable metals into a rotary kiln furnace (2) in which a refractory product having an Al2O3-Cr2O3 content of 70% or greater is used for an inner wall; feeding an additive (A) containing SiO2 as a major component into the rotary kiln furnace (2) so as to increase a viscosity of a slag (S) flowing along the inner wall, thereby the recyclable raw materials (W) are attached on the slag (S) having a high viscosity such that at least part of the recyclable raw materials (W) is exposed to the inside of the rotary kiln furnace; and burning/melting the recyclable raw materials (W) attached on the slag (S) in the rotary kiln furnace (2).

No. of Pages: 37 No. of Claims: 3

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : A COMPUTING SYSTEM INCLUDING A FIRST AND SECOND HOUSING AND POLAR MAGNETS

(51) International classification	:G06F1/16	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:61/566841 :05/12/2011	1)HEWLETT PACKARD DEVELOPMENT COMPANY L.P.
(33) Name of priority country	:U.S.A.	Address of Applicant :11445 Compaq Center Drive W
(86) International Application No	:PCT/US2012/026714	Houston TX 77070 U.S.A.
Filing Date	:27/02/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/085556	1)DELPIER Michael
(61) Patent of Addition to Application	:NA	2)WOLF Stacy L
Number Filing Date	:NA	3)MASSARO Kevin L 4)KOELKER Daniel
(62) Divisional to Application Number	:NA	5)JACOBS Steven
Filing Date	:NA	6)MEHANDJIYSKY Dimitre

### (57) Abstract:

A first housing with a polar magnet on a first side. The first housing can include an opening on the first side. A second housing can include a sliding latch An opposite polar magnet attached to the sliding latch. The polar magnet attracts the opposite polar magnet on the sliding latch to move the sliding latch to a latched position.

No. of Pages: 16 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :20/05/2014

(21) Application No.4083/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: COATED MEDIA SUBSTRATE

(51) International classification	:B41M5/36	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:NA :NA	1)HEWLETT PACKARD DEVELOPMENT COMPANY L.P.
(32) Friority Date (33) Name of priority country	:NA :NA	Address of Applicant :11445 Compaq Center Drive West
(86) International Application No	*	Houston Texas 77070 U.S.A.
Filing Date	:20/12/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2013/095373	1)PAL Lokendra
(61) Patent of Addition to Application	:NA	2)FU Xulong
Number	:NA	3)ZHOU Xiaoqi
Filing Date		4)SELENSKY Ronald J.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present disclosure is drawn to coated media substrates, as well as related systems and methods. In one example, a coated media substrate for inkjet ink printing can comprise an ink-receiving layer coated on at least one side of a substrate, and can be formulated for accepting an inkjet ink composition. The ink-receiving layer can comprise an optical brightening agent, an organic acid salt, a binder, a pigment, and a low-molecular weight polymeric carrier having a weighted average molecular weight less than 50,000 Mw.

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

(21) Application No.4084/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: LIQUID ELECTROPHOTOGRAPHIC INKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C09D11/10 :NA :NA :NA :PCT/EP2011/006454 :19/12/2011 :WO 2013/091667 :NA :NA :NA	(71)Name of Applicant:  1)HEWLETT PACKARD INDIGO B.V. Address of Applicant: Startbaan 16 NL 1187 XR Amstelveen Netherlands (72)Name of Inventor: 1)STOLIN RODITI Stella 2)COHEN Haim 3)BIADGLIN Getahun 4)ORLIK Fernanda 5)KLEIN Nava 6)TEISHEV Albert
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### (57) Abstract:

The present invention relates to a liquid electrophotographic ink comprising a carrier liquid a pigmented resin composite dispersed in the carrier liquid and about 0.15 to about 10 % (w/w) of an organic wax. The liquid electrophotographic ink is typically formulated for printing in a liquid electrophotographic printer.

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

(19) INDIA

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

(21) Application No.2728/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: DUAL AXIS BALL HEAD FOR USE IN SMALL UNMANNED AERIAL VEHICLE AND TRIPLE AXIS BALL HEAD FOR USE IN SMALL UNMANNED AERIAL VEHICLE

(51) International classification	:B64D47/08,F16M11/12	(71)Name of Applicant:
(31) Priority Document No	:201110268339.6	1)SZ DJI TECHNOLOGY CO. LTD
(32) Priority Date	:09/09/2011	Address of Applicant :6/F HKUST SZ IER Building No.9
(33) Name of priority country	:China	Yuexing 1st Rd. South District Hi Tech Park Nanshan District
(86) International Application No	:PCT/CN2011/079704	Shenzhen Guangdong 518057 China
Filing Date	:15/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2013/033925	1)WANG Tao
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Filing Date

A dual axis ball head for use in an unmanned aerial vehicle and a triple axis ball head for use in the unmanned aerial vehicle comprising a machine frame component a transmission component and an image capturing component (1). The machine frame component comprises a first frame bracket (2) a second frame bracket (4) and a third frame bracket (6). The image capturing component (1) is fixed onto the first frame bracket (2). The first frame bracket (2) and the second frame bracket (4) are rotatably arranged. The second frame bracket (4) and the third frame bracket (6) are rotatably arranged. The transmission component comprises a first motor (4) and a second motor (5). The first motor (3) drives the first frame bracket (2) around a rotary axis thereof into a rotation relative to the second frame bracket (4). The second motor (5) drives the second frame bracket (4) around a rotary axis thereof into a rotation relative to the third frame bracket (6).

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

(62) Divisional to Application Number

:NA

:NA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : BOLT, METHOD AND BOLT ARRANGEMENT FOR FASTENING A COMPONENT TO A BASE 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</li></ul>	:F16B :102012108734.2 :18/09/2012 :Germany :NA	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor:
Filing Date	:NA	1)BRUNNER, MARKUS
(87) International Publication No	: NA	2)ERB, THIEMO
(61) Patent of Addition to Application Number	:NA	3)SAMEL, ERIK
Filing Date	:NA	4)KUHLBORN, LARS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a bolt 10 for fastening a component to a base material 20. The bolt has a flange 12 for supporting the component, a first pin 14 which is formed on a first side of the flange 12 and is provided with a thread, and a second pin 16 formed on a second side of the flange 12. The second pin 16 is suitable to be fitted into a bore 21 formed in the base material 20, wherein the second pin 16 is fittable by means of a plug-in adhesive connection into the bore 21 formed in the base material 20. The present invention furthermore relates to a method for fastening the bolt 10 to the base material 20 and to a bolt arrangement.

No. of Pages: 13 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: NEW SALT AND MEDICAL USE

(51) International classification :A61K31/427,C07D417/12,A61P19/06

(31) Priority Document No :61/549823

(32) Priority Date :21/10/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/IB2012/055760

Application No
Filing Date

Filing Date

Filing Date

(87) International Publication No :WO 2013/057722

(61) Patent of Addition to Application Number :NA

Filing Date
(62) Divisional to
Application Number
Filing Date

SNA
:NA

(71)Name of Applicant: 1)PFIZER LIMITED

(21) Application No.2729/DELNP/2014 A

Address of Applicant :Ramsgate Road Sandwich Kent CT13

9NJ U.K.

(72)Name of Inventor:

1)ALI Zahid

2)BUTCHER Kenneth John 3)BUTT Richard Philip 4)FELSTEAD Stephen John

5)GLATT Sophie

6)MCKERNAN Ruth Mitchell

7)PANESAR Maninder

# (57) Abstract:

The invention provides 4 [2 (5 amino 1H pyrazol 4 yl) 4 chlorophenoxy] 5 chloro 2 fluoro N (1 3 thiazol 4 yl)benzenesulfonamide or a pharmaceutically acceptable salt thereof for the treatment of a disease associated with elevated blood uric acid levels such as hyperuricemia or gout. In another aspect the invention provides the tosylate salt of 4 [2 (5 amino 1H pyrazol 4 yl) 4 chlorophenoxy] 5 chloro 2 fluoro N (1 3 thiazol 4 yl)benzenesulfonamide.

No. of Pages: 45 No. of Claims: 24

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: A METHOD OF DRAINING A FLUID TANK IN A FLUID SEPARATION SYSTEM

(51) International classification: B01D53/26,E21B43/34,B04C1/00 (71) Name of Applicant: (31) Priority Document No 1)AKER SUBSEA AS :20111455 (32) Priority Date :27/10/2011 Address of Applicant: P.O.Box 94 N 1325 Lysaker Norway (33) Name of priority country (72)Name of Inventor: :Norway (86) International Application 1)STINESSEN Kjell Olav :PCT/NO2012/050202 :17/10/2012 Filing Date (87) International Publication :WO 2013/062419 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A method of draining at least one liquid collector (3, 4) in a system for separating and collecting liquid contained in gas from a reservoir, wherein the at least one liquid collector (3, 4) is connected to an outlet (6) from a compressor (5), and a recirculation circuit (10) between the outlet (6) of the compressor and an inlet (1) from the reservoir to a liquid separator (2) to which the at least one liquid collector (3, 4) is connected downstream thereof, and which outlet (6) is connected downstream to a transport pipe (7). The method comprises raising the pressure of the liquid in the at least one liquid collector (3, 4) to a higher pressure than the pressure in the inlet pipe (1) or the transport pipe (7), and draining the liquid in the at least one liquid collector (3, 4) upstream either to the inlet pipe (1) or directly to the liquid separator (2) via a first drain line (K), or alternatively downstream to the transport pipe (7) via a second drain line (13).

No. of Pages: 14 No. of Claims: 12

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: PERMANENT-MAGNET ROTATING ELECTRICAL MACHINE

(51) International classification	:H02K	(71)Name of Applicant :
(21) Dei anita. Da acces ant Ma	:2012-	1)KABUSHIKI KAISHA TOSHIBA
(31) Priority Document No	232125	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(32) Priority Date	:19/10/2012	MINATO-KU, TOKYO 105-8001, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NORIO TAKAHASHI
Filing Date	:NA	2)MAKOTO MATSUSHITA
(87) International Publication No	: NA	3)YUTAKA HASHIBA
(61) Patent of Addition to Application Number	:NA	4)DAISUKE MISU
Filing Date	:NA	5)KATSUTOKU TAKEUCHI
(62) Divisional to Application Number	:NA	6)MIKIO TAKABATAKE
Filing Date	:NA	7)YUSUKE MATSUOKA

### (57) Abstract:

According to an embodiment, a permanent-magnet rotating electrical machine includes a stator, and a rotor including a rotor core, magnet-embedding holes 5 formed one behind another in a radial direction of the rotor core, and permanent magnets embedded in the magnet-embedding holes. The magnet-embedding holes are formed into an arcuate shape. The rotor core includes two supporting protrusions protruding from an inner 10 circumferential surface into an inner magnet-embedding hole at both end parts, and a center supporting structure protruding from the inner circumferential surface into in the inner magnet-embedding hole on the magnetic pole central axis. Two permanent magnets are 15 embedded in the inner magnet-embedding hole on both sides of the center supporting structure, and each permanent magnet is supported with the center supporting structure and one supporting protrusion at both end parts thereof.

No. of Pages: 46 No. of Claims: 13

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DECOMPRESSION PART OF DECOMPRESSION 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</li> </ul>	:Japan :NA :NA : NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION Address of Applicant: 300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN (72)Name of Inventor: 1)UMEMOTO YOHEI 2)MIZUMURA YUICHI 3)KAMIYA YOZO 4)OKAMURA TORII
(87) International Publication No	: NA	3)KAMIYA YOZO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)OKAMURA TORU
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A decompression apparatus is provided at an end portion of a camshaft of a valve train mechanism, and at a time of engine start-up, operates to open a valve of the valve train mechanism for reducing pressure of an combustion chamber of an engine, the decompression apparatus includes a decompression part is a component of the decompression apparatus and is constituted by a laminated body in which a plurality of metal plates are laminated. The decompression part is preferably a mass weight which is joined to a decompression shaft so as to cause the decompression shaft to pivot under influence of a centrifugal force associated with rotation of a camshaft.

No. of Pages: 48 No. of Claims: 9

(22) Date of filing of Application :01/05/2010 (43) Publication Date : 20/02/2015

# (54) Title of the invention: REGULATORS, POWER SUPPLY SYSTEMS AND METHODS FOR USING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:03/10/2008 : NA	(71)Name of Applicant: 1)TURAN Robert Lew Jr. Address of Applicant:8381 N. Coral Circle N. Lauderdale FL 33068 USA. U.S.A. (72)Name of Inventor: 1)BONTA Carl 2)TURAN Robert Lew Jr.
	:PCT/US2008/078868	(72)Name of Inventor:
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` /	: NA	2)TURAN Robert Lew Jr.
. ,	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Regulators and/or parts or components thereof useful, for example, in systems for powering pneumatic tools. In certain embodiments, dual-stage regulators wherein each stage of the regulators is adjustable and/or tunable. In certain preferred embodiments, tunable and/or adjustable dual-stage regulators which are capable of being used, selectively as desired, in low and/or high pressure applications, shot-type and/or continuous flow delivery applications, and/or low and/or high volume applications (or any combination thereof). In certain additional embodiments, in combination with or separate from the features of other embodiments described herein, regulators which exhibit stable performance regardless of, for example, cylinder supply pressure.

No. of Pages: 27 No. of Claims: 42

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A METHOD FOR ACCELERATED TESTING OF A MEMBRANE MODULE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B01D65/10 :2011904915 :25/11/2011 :Australia :PCT/AU2012/001447 :26/11/2012 :WO 2013/075177 :NA :NA	(71)Name of Applicant:  1)CENTRAL GIPPSLAND REGION WATER CORPORATION  Address of Applicant :PO Box 348 Traralgon Victoria 3844 Australia (72)Name of Inventor:  1)HODGKINSON Andrew 2)KAY James Stanley 3)HARRISON Stuart Douglas
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### (57) Abstract:

A method of accelerated testing of a membrane module (40) for resistance to cyclic stress during operation of an industrial membrane separation process (100) comprising loading at least one membrane module (40) into a test cell (61 70) of a test plant (60); conducting said industrial membrane separation process while subjecting said membrane module (40) to cyclic stresses during a plurality of membrane operating cycles each cycle being of significantly lesser duration than used for operation of said industrial membrane separation process in an operating plant (100); and testing said membrane module (40) for component failure caused by said cyclic stresses.

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

(19) INDIA

(22) Date of filing of Application :17/05/2014

(21) Application No.3993/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: REDUCIBLE FERTILIZER

(51) International classification	:C05F11/08,C05G1/00	(71)Name of Applicant:
(31) Priority Document No	:2011-279565	1)Asahi Group Holdings Ltd.
(32) Priority Date	:21/12/2011	Address of Applicant :23 1 Azumabashi 1 chome Sumida ku
(33) Name of priority country	:Japan	Tokyo 1308602 Japan
(86) International Application No	:PCT/JP2012/062013	(72)Name of Inventor:
Filing Date	:10/05/2012	1)KITAGAWA Takanori
(87) International Publication No	:WO 2013/094235	2)MAEKAWA Yoshio
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a fertilizer which is produced using a microorganism or a component of a microorganism is high in added value and particularly can enhance the results of a fruit producing tree or a fruit vegetable. A reducible fertilizer produced by subjecting a mixture of a microorganism or a component of a microorganism with phosphoric acid and/or potassium to a hydrothermal reaction. The reducible fertilizer can promote the growth of a root particularly a root hair of a fruit producing tree and can also increase the size of a fruit of the tree. Particularly since the reducible fertilizer according to the present invention is reducible the fertilizer has an excellent affinity for cells that constitute a root and therefore enables the effective absorption of phosphoric acid and potassium that are useful fertilizer components.

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

(21) Application No.4094/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR FORMING DIFFERENT PLASTIC PRODUCTS FROM A SINGLE **MELT**

(51) International :B29C47/50,B29C47/70,B29C47/10

classification

(31) Priority Document No :61/582313 (32) Priority Date :31/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/066730 No

:28/11/2012 Filing Date

(87) International Publication :WO 2013/101377

(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)UNIVATION TECHNOLOGIES LLC

Address of Applicant :5555 San Felipe Suite 1950 Houston

TX 77056 U.S.A. (72)Name of Inventor: 1)ABE Daudi A.

2)WHITE Simon J.

### (57) Abstract:

Systems (200) and methods for making different plastic products (202 204) in a single melting process are provided. A method includes melting a plastic resin in a first extruder (104) to form a melt (106) and transferring at least a portion of the melt to a second extruder (114). Any portion of the melt (106) that is not transferred to the second extruder (114) is formed into a first plastic product (202). Additives (116) are blended with the melt in the second extruder to form a second melt (118) and a second plastic product (204) is formed from the second melt (118).

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: INTEGRATED CLARIFIER AND FLASH TANK

(51) International :C13B20/16,B01D21/00,B01D21/02 classification

(31) Priority Document No :2012/00578 (32) Priority Date :24/01/2012 (33) Name of priority country: South Africa

(86) International Application: PCT/IB2013/050570

:23/01/2013 Filing Date

(87) International Publication :WO 2013/111062

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)TONGAAT HULETT LIMITED

(21) Application No.4095/DELNP/2014 A

Address of Applicant: Amanzimnyama Hill 4400 Tongaat

South Africa

(72)Name of Inventor:

1)SCHORN Paul Martin

(57) Abstract:

(19) INDIA

This invention relates to an integrated clarifier and flash tank and more particularly but not exclusively to an integrated clarifier and flash tank suitable for use in the sugar production process. The integrated clarifier and flash tank includes a clarifier vessel for receiving the liquid to be clarified and a flash tank arrangement located at least partially inside the clarifier vessel. The clarifier vessel includes a conical bottom that terminates in an outlet for the removal of solids and at least one liquid outlet towards an upper end zone thereof. The flash tank arrangement has an inlet for receiving a liquid to be clarified a flashing compartment inside which flashing of the liquid occurs and an outlet for discharging the liquid to be clarified into the clarifier vessel.

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

(19) INDIA

(22) Date of filing of Application :21/05/2014

(21) Application No.4096/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: INFORMATION PROCESSING 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>	:G06F21/86 :2011-275604 :16/12/2011 :Japan :PCT/JP2012/079339 :13/11/2012 :WO 2013/088885 :NA :NA	(71)Name of Applicant:  1)NEC INFRONTIA CORPORATION Address of Applicant: 2 6 1 Kitamikata Takatsu ku Kawasaki shi Kanagawa 2138511 Japan (72)Name of Inventor: 1)OHSAKA Masayuki
Filing Date	:NA	

### (57) Abstract:

This information processing device has a first substrate upon which a pattern for tamper detection has been implemented a second substrate which is disposed so as to face the first substrate and upon which a pattern for tamper detection has been implemented and sidewalls which are disposed between the first and second substrates along the outer periphery of the first and second substrates and include a plurality of layers (41 and 43) upon which electrodes (33 and 34) for tamper detection are provided; wherein a circuit requiring tamper resistance is provided within a space circumscribed by the first and second substrates. Each sidewall has a structure in which at positions corresponding to the spaces between electrodes provided in one layer (41) of two layers (41 and 43) which are adjacent across an insulating layer (42) electrodes (34) of the other layer (43) are disposed.

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

(22) Date of filing of Application :04/04/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SOLVENT BORNE PRODUCTS CONTAININGS SHORT CUT MICROFIBERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:61/558744 :11/11/2011 :U.S.A. :PCT/US2012/064272 :09/11/2012 :WO 2013/070997 :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)CLARK Mark Dwight 2)ANDERSON Chris Delbert
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Solvent borne products enhanced with short cut microfibers and processes for making such enhanced solvent borne products are disclosed. The short cut microfibers can function to impart enhanced physical properties (e.g. enhanced thixotropy) to the solvent borne products. Solvent borne products suitable for enhancement with short cut microfibers include flowable products (e.g. coatings sealants caulks mastics and adhesives) that can be applied to a substrate and that adhere to the substrate when dried and/or cured.

No. of Pages: 18 No. of Claims: 20

(21) Application No.2820/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: VEHICLE DOOR WITH DOOR COVERING

### (57) Abstract:

The invention relates to a vehicle door which has a door shell (17) and a door covering (1) connected thereto. In such a vehicle door, provision is made according to the invention that the door covering has holders (9) and the respective holder (9) positively receives an elastic spacer (10) in the region of a free end, wherein the respective spacer (10) makes contact with a flat portion (16) of the door shell (17). In such a vehicle door, a precise positioning of door covering and door shell connected thereto is ensured.

No. of Pages: 11 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application: 17/05/2014

(21) Application No.3998/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : ASSIGNING ONE OR MORE NETWORK SERVICE TEMPLATES TO AN EXISTING NETWORK SERVICE MODEL

(51) International classification :H04L12/24 (31) Priority Document No :61/568462 (32) Priority Date :08/12/2011 (33) Name of priority country :U.S.A. (86) International Application No Filing Date :30/11/2012 (87) International Publication No :WO 2013/084129 (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)WEEKS Russell
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### (57) Abstract:

Methods of assigning network service templates in a communication network including a plurality of network elements that are configured to implement a plurality of network services are provided. The methods include providing a plurality of network service templates for a first network service providing a network service model for providing the first network service by at least one network element in the communication network comparing the plurality of network service templates with the network service model and associating at least one network service template with the network service model in response to the comparison.

No. of Pages: 44 No. of Claims: 24

(12) THERT MILEIGHTION TOBERSHIP

(21) Application No.3999/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CONNECTING TERMINAL HAVING TOGGLE LEVER ACTUATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/11/2012 :WO 2013/079176 :NA :NA :NA	(71)Name of Applicant:  1)PHOENIX CONTACT GMBH & CO. KG Address of Applicant: Flachsmarktstrasse 8 32825 Blomberg Germany (72)Name of Inventor: 1)WENDT Andreas
Filing Date	:NA	

### (57) Abstract:

The invention relates to a connecting terminal having a receptacle body (2) a clamping element (8) a first lever arm (15) a second lever arm (16) and a compression spring (17) wherein the first lever arm (15) is rotatably mounted on the clamping element (8) and the second lever arm (16) is rotatably mounted on the compression spring (17) wherein in a contacting state in which a conductor (1) inserted into the connecting terminal by means of the clamping element (8) is clamped against a current rail (6) arranged in the connecting terminal in order to form a contact the first lever arm (15) engages the second lever arm (16) and said lever arms are guided together such that the compression spring (17) is tensioned and a spring force is transferred from the compression spring (17) to the clamping element (8) via the first lever arm (15) and the second lever arm (16).

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

(21) Application No.4100/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : AEROSOLIZATION APPARATUS FOR INHALATION PROFILE INDEPENDENT DRUG DELIVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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 :61/576735 :16/12/2011 :U.S.A. :PCT/US2012/069938 :14/12/2012 :WO 2013/090841 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor:  1)CHAN Leo  2)UNG Try Keith 3)WEERS Jeffry
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A powder aerosolization apparatus comprises a housing (110) comprising an outlet adapted to be inserted into a user's mouth and one or more bypass air openings. A receptacle support (135) within the housing supports a receptacle (130) containing a powder pharmaceutical formulation. A puncturing mechanism within the housing creates in the receptacle one or more inlet openings and one or more powder outflow openings (150) wherein the powder outflow openings have a total area of from 0.2 mm2 to 4.0 mm2. Upon a user s inhalation through the outlet air flows through the one or more bypass air openings and through the receptacle to aerosolize the powder pharmaceutical formulation in the receptacle. In one version the relative flow parameters between the flow through the one or more bypass openings and the one or more powder outflow openings are selected so that flow of aerosolized pharmaceutical formulation does not occur until a predetermined inhalation flow rate is achieved.

No. of Pages: 64 No. of Claims: 27

(19) INDIA

(22) Date of filing of Application :17/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention : INK JET PRINTER AND PRINTING METHOD FOR PRINTING AN IMAGE HAVING MATT AND GLOSSY IMAGE AREAS

(21) Application No.4001/DELNP/2014 A

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A 1530/2011	(71)Name of Applicant:  1)DURST PHOTOTECHNIK DIGITAL TECHNOLOGY  GMBH  Address of Applicant :Julius Durst Strae 11 A 9900 Lienz  Austria  (72)Name of Inventor:  1)WASCHNIG Christian
Filing Date	:NA	
(-)	:NA :NA	

## (57) Abstract:

The invention relates to a method for printing an image (1) having matt areas (2) and glossy areas (3) in which an ink is applied by means of the ink jet printing method in the matt areas (2) and is cured immediately thereafter whereas in the glossy areas (3) a curing of the ink immediately following the application thereof is omitted. The invention further relates to an ink jet printer (40..44) for carrying out the said method and to the control system (11) thereof.

No. of Pages: 26 No. of Claims: 18

(21) Application No.4103/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MEMORY DUMP COLLECTION TECHNIQUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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 :NA :NA :NA :NA :PCT/JP2011/077600 :30/11/2011 :WO 2013/080313 :NA :NA :NA	(71)Name of Applicant: 1)HITACHI LTD. Address of Applicant: 6 6 Marunouchi 1 chome Chiyoda ku Tokyo 1008280 Japan (72)Name of Inventor: 1)IKEDA Takahiro
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#### (57) Abstract:

The present invention reduces the time required to collect and save an entire memory image and shortens the time until a system resumes providing services. The operating system computes hashes for memory areas in units of pages the results of which are stored in a memory hash table the hash values in the memory hash table are initialized a memory image is copied to an external storage device for the first time a hash value in the memory hash table and the memory image in the external storage device are updated with respect to a change location in the system memory a memory area where a write occurred after the last save to the external storage device is detected a dump request is issued and the dump request is processed.

No. of Pages: 48 No. of Claims: 7

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: HAIR GROWTH AGENT (EMBODIMENTS) AND METHOD FOR TREATING HAIR LOSS

(71)Name of Applicant: (51) International :A61K9/10,A61K31/727,A61K38/00 classification 1)ODINTSOV Aleksey Valentinovich (31) Priority Document No Address of Applicant :ul. Lva Shatrova 22kv, 35 g. Perm :2012103974 (32) Priority Date :07/02/2012 614064 Russia (33) Name of priority (72)Name of Inventor: :Russia 1)ODINTSOV Aleksey Valentinovich country (86) International :PCT/RU2013/000080 Application No :05/02/2013 Filing Date (87) International :WO 2013/119144 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 invention relates to medicine and cosmetology. According to a first embodiment, a composition in the form of a gel for treating or preventing hair loss contains: 0.08-0.8% unfractionated heparin salt, 0.15-3% lipid nano - complex emulsion, 0.5-2% thickener, 0.1-0.2% emulsifier, 0.03-1.3% neutralizing agent, 0.01-0.03% preservative, the remainder being water or a polyol. According to a second embodiment, a composition in the form of a gel for treating or preventing hair loss contains: 0.08-0. 8% unfractionated heparin salt, 0.15-3% lipid nanocomplex emulsion, 0.005-0.02% peptide nanocomplex solution, 0.05-3% thickener, 0.1-0.2% emulsifier, 0.03-1.3% neutralizing agent, 0.01-0.03% preservative, the remainder being water. According to a third embodiment, a composition in the form of a gelcream for treating or preventing hair loss contains: 0.08-0. 8% unfractionated heparin salts, 3-5% lipid nanocomplex emulsion, 0.05-3% thickener, 0.03-1.3% neutralizing agent, 0.01-0.03% preservative, 12-15% oils, 3-4% emulsifier, the remainder being water. According to a fourth embodiment a composition in the form of a gel-cream for treating or preventing hair loss contains: 0.08-0. 8% unfractionated heparin salts, 3-5% lipid nanocomplex emulsion, 0.005-0.02% peptide nanocomplex solution, 0.05-3% thickener, 0.03-1.3% neutralizing agent, 0.01-0.03% preservative, 12-15% oils, 3-4% emulsifier, the remainder being water. The method for treating or preventing hair loss caused by alopecia consists in the topical application to the area of hair loss of the above-mentioned compositions, selected according to the duration and extent of hair loss. The technical result is an increase in the range of means for treating hair loss (for example androgenic alopecia) without side effects.

No. of Pages: 30 No. of Claims: 27

(21) Application No.4105/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : REAR CASING ROTOR BLADE WITH REAR CASING AND A WIND TURBINE THAT COMPRISES SUCH A ROTOR BLADE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:10 2011 088 048.8 :08/12/2011 :Germany :PCT/EP2012/074041 :30/11/2012 :WO 2013/083481 :NA	(71)Name of Applicant:  1)WOBBEN PROPERTIES GMBH Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor: 1)HOFFMANN Alexander 2)KANNENBERG Johannes 3)BAKER Laurence 4)SPIETH Falk
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a rear casing (112) for a rotor blade (108), particularly of a wind turbine, comprising a pressure-side surface (3), a suction-side surface (1), a rear edge (5) which separates these pressure and suction-side surfaces, and a connection side which lies opposite said rear edge (5) and is adapted to be mounted on a corresponding connection surface of said rotor blade (108). In particular, the invention relates to a rear casing that is divided into a lower segment (11) that comprises the connection side, and one or more upper segments (13, 15, 35) which comprise said rear edge (5) and may be coupled to the lower segment (11). The invention also relates to a rotor blade for a wind turbine, as well as to a wind turbine.

No. of Pages: 36 No. of Claims: 26

(21) Application No.4007/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: CLUTCH SYSTEM FOR CONTINUOUSLY VARIABLE TRANSMISSION VEHICLE AND METHOD SECURING THE COUPLING OF A CVT TO A SHAFT

(51) International classification :F16H55/56,F16H9/18,F16D1/06 (71) Name of Applicant:

(31) Priority Document No :61/577185 (32) Priority Date :19/12/2011

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

(86) International Application :PCT/US2012/067828

:05/12/2012 Filing Date

(87) International Publication No:WO 2013/095917

(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: (a Delaware corporation) 1551 Wewatta

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(72)Name of Inventor: 1)STEGELMANN Oliver 2) JACKSON Barry James

## (57) Abstract:

This disclosure includes a primary drive clutch system for a continuously variable transmission the primary drive clutch system coupled to a drive shaft (210) that is capable of bidirectional rotation comprising: a stationary sheave (220) coupled to the drive shaft (210); a movable sheave (230) housing (250) and spider portion (240) coupled to the drive shaft (210) the movable sheave (230) being movable closer to or further from the stationary sheave (220) along the drive shaft (210); and a securing member (400) coupled to the drive shaft (210) capable of preventing movement of said spider portion(240) relative to the drive shaft (210).

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

(21) Application No.4008/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

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

(51) International classification :G07G1/00,G06K7/00,G06K1/14 (71)Name of Applicant:

:29/10/2012

(31) Priority Document No :2011-268732 (32) Priority Date :08/12/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/078549

Filing Date

(87) International Publication No:WO 2013/084635

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

(62) Divisional to Application
Number

Filing Date

:NA
:NA

(57) Abstract:

1)NEC Infrontia Corporation
Address of Applicant :2 6 1 Kitamikata Takatsu ku Kawasaki shi Kanagawa 2138511 Japan
(72)Name of Inventor:
1)TAKANE Hiroyuki

Provided is a POS system that enables confirmation of the presence or absence of radioactive contamination of a product at the time a product is sold which is the final stage in the distribution channel and to do so without increasing the labor burden and also provided is POS system control method. The POS system is provided with the following: a storage means (11) for storing a product code in association with a radioactivity threshold value determined for each product code; a barcode scanner (30); a radioactivity measuring unit (40) for measuring radioactivity of a product on the basis of the amount of radiation emitted from the product; a comparison means (21) for comparing the radioactivity threshold value corresponding to a product code read by the barcode scanner (30) and the radioactivity measurement value measured by the radioactivity measuring unit (40); and an alarm outputting means (60) for outputting an alarm in a case where the radioactivity measurement value exceeds the radioactivity threshold value. The radioactivity measuring unit (40) is disposed at a position where the radioactivity of a product is detected when the product is in a scan position A at which the product code is read by the barcode scanner (30).

No. of Pages: 24 No. of Claims: 3

(21) Application No.4009/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR VIDEO QUALITY 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>	:H04N7/26 :NA :NA :NA :PCT/CN2011/002096 :15/12/2011 :WO 2013/086654 :NA :NA	(71)Name of Applicant:  1)THOMSON LICENSING  Address of Applicant:1-5 rue Jeanne dArc F 92130 Issy les  Moulineaux France (72)Name of Inventor:  1)ZHANG Fan  2)LIAO Ning  3)XIE Kai  4)CHEN Zhibo
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#### (57) Abstract:

Accuracy and efficiency of video quality measurement are major problems to be solved. According to the invention a method (506) for accurately predicting video quality uses a rational function of the quantization parameter QP which is corrected by a correction function that depends on content unpredictability CU. Exemplarily the correction function is a power function of the CU. Both QP and CU can be computed (511) from the video elementary stream without full decoding the video. This ensures high efficiency.

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

(19) INDIA

(22) Date of filing of Application :21/05/2014

(21) Application No.4109/DELNP/2014 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: NOZZLE ASSEMBLY COMPRISING FIRST AND SECOND ELEMENTS BEING COUPLED TO ONE|ANOTHER IN A SLIDING TRANSLATION RELATIONSHIP AND A SEALING MEMBER MADE OF|THERMALLY INTUMESCENT MATERIAL REFRACTORY ELEMENT. METHOD FOR PRODUCING A REFRACTORY ELEMENT METHOD FOR COUPLING TWO REFRACTORY ELEMENTS

(51) International

:B22D41/08,B22D41/22,B22D41/32

classification

(31) Priority Document No :11193966.6

(32) Priority Date (33) Name of priority country: EPO

:16/12/2011

(86) International

:PCT/IB2012/002949

Application No Filing Date

:14/12/2012

(87) International Publication :WO 2013/088249

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

Filing Date

:NA

(62) Divisional to **Application Number** 

Filing Date

:NA :NA

(71)Name of Applicant:

1) VESUVIUS CRUCIBLE COMPANY

Address of Applicant :1209 Orange Street Wilmington DE

(72)Name of Inventor:

1)OVENSTONE James

2)ZHOU Martin

# (57) Abstract:

The present invention concerns a nozzle assembly (20, 30) for a metal casting apparatus selected from a sliding gate and a tube exchange device said nozzle assembly comprising: a first refractory element (1) comprising a first coupling surface (1 a) which includes a first bore aperture and a second refractory element (11) comprising a second coupling surface (11a) which includes a second bore aperture the first and second elements being coupled to one another in a sliding translation relationship through their respective first and second coupling surfaces such that the first and second bore apertures can be brought into and out of registry to define when in registry a continuous bore (3, 13) for discharging molten metal from a molten metal inlet (13a) to a molten metal outlet (3b) of said nozzle assembly a sealing member (2) provided between the first and second coupling surfaces of the first and second elements characterized in that the sealing member (2) comprises a thermally intumescent material.

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

(21) Application No.4004/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

:PCT/US2012/061352

## (54) Title of the invention: PULSED ELECTROMAGNETIC FIELD DEVICE WITH ADHESIVE APPLICATOR

(51) International classification :A61N2/02,A61N2/04,A61N5/00 (71)Name of Applicant:

(31) Priority Document No :61/549645 (32) Priority Date :20/10/2011

(33) Name of priority country :U.S.A. (86) International Application

No

:22/10/2012 Filing Date

(87) International Publication No:WO 2013/059804

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

:NA Number :NA

Filing Date

1)BIOELECTRONICS CORP.

Address of Applicant: 4539 Metropolitan Court Frederick MD

21704 U.S.A.

(72)Name of Inventor:

1)MARTINEZ John Robert

## (57) Abstract:

Systems and techniques for applying an electromagnetic field to bodily tissue include a self contained and portable electromagnetic field generating device adhered to a surface with an adhesive composition on the applicator such that the radiated electromagnetic fields impinge upon the bodily tissue. The adhesive composition may include a therapeutic substance such as a rubefacient and/or one or more additives. The device includes an electromagnetic field generator which is coupled to an antenna that is arranged to radiate the electromagnetic field. A power source is coupled to the generator to provide power for the device and an activator is used to initiate radiation of the electromagnetic field.

No. of Pages: 56 No. of Claims: 25

(21) Application No.4005/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SHORING BOX SYSTEM AND METHOD

(51) International classification (31) Priority Document No	:E02D17/08,E02D17/04,E02F5/10 :2011904321	(71)Name of Applicant: 1)BREEN Paul
(32) Priority Date	:19/10/2011	Address of Applicant :42 Cumming Avenue Concord West
(33) Name of priority country		New South Wales 2138 Australia
(86) International Application No Filing Date	:PCT/AU2012/001263 :18/10/2012	(72)Name of Inventor : 1)BREEN Paul
(87) International Publication No	:WO 2013/056306	
<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 shoring box system (10) for use in a ground trench (60) includes a pair of shoring panels (12) and a number of elongate props (22). The props are attached to the two shoring panels to maintain the panels in an erected position in which they are spaced apart with an open zone (19) between the panels. The props can be detached from the shoring panels while the shoring panels are in the erected position. In an embodiment each panel is hollow and has a lower opening (36) with a closure flap (38) for closing the opening to enable filling material in the hollow to pour from the panel as it is removed from the trench. Also in an embodiment each shoring panel is tapered in a downward direction.

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

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LIMITED SLIP PLANETARY GEAR TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:F16H48/22 :13/325302 :14/12/2011 :U.S.A. :PCT/US2012/067841 :05/12/2012 :WO 2013/090079 :NA :NA	(71)Name of Applicant:  1)THE GATES CORPORATION Address of Applicant: (A Delaware Corporation) 1551 Wewatta Street Denver CO 80202 U.S.A. (72)Name of Inventor: 1)WARD Peter 2)SCHNEIDER Dean 3)SERKH Alexander 4)ALI Imtiaz
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(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.4006/DELNP/2014 A

## (57) Abstract:

A limited slip planetary gear transmission comprising: an input member an output member coaxial with the input member a planetary gear set coupled between the input member and the output member and a brake member coupled to the planetary gear set for controlling an output member torque.

No. of Pages: 18 No. of Claims: 17

(21) Application No.4112/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DIRECT SOLAR STEAM GENERATOR AND METHOD OF SHUTING DOWN A DIRECT SOLAR STEAM GENERATOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F24J2/07,F24J2/24,F24J2/16 :11306527.0 :21/11/2011 :EPO	(71)Name of Applicant:  1)AREVA SOLAR INC.  Address of Applicant: 303 Ravendale Drive Mountain View CA 94043 U.S.A.
(86) International Application No Filing Date	:PCT/IB2012/002434 :21/11/2012	(72)Name of Inventor: 1)TANNER Peter
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	:WO 2013/076559 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The direct solar steam generator (2) is of the type comprising a solar evaporator (4) having an evaporator circuit (12) for circulation of a working fluid an evaporator inlet pipe (8) for supplying fluid to the evaporator circuit (12) and an evaporator outlet pipe (10) for collecting the working fluid exiting the evaporator circuit (12) and a solar concentrator (6) for concentrating solar energy towards the evaporator circuit (12). According to one aspect if the invention the steam generator (2) comprises a fluid arrangement (26) configured to allow forming a static liquid seal in the outlet pipe (10) using the working fluid.

No. of Pages: 13 No. of Claims: 17

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF A MIXTURE COMPRISING CYCLOHEXANOL AND CYCLOHEXANONE

(51) International classification :B01J10/00,C07C29/132,C07C31/135

(31) Priority Document No :11192421.3

(32) Priority Date :07/12/2011

(33) Name of priority country :EPO

(86) International

Application No :PCT/EP2012/074210

Filing Date :03/12/2012

(87) International Publication No :WO 2013/083512

(61) Patent of Addition to
Application Number :NA

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

(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)TINGE Johan Thomas2)VERSCHUREN Iris

3)DAGUENET Corinne

(57) Abstract:

A continuous process for the preparation of a mixture of cyclohexanone and cyclohexanol, said process comprising: a) oxidizing, in an oxidation section, cyclohexane in the presence of an oxygen-containing gas, without a transition metal-containing catalyst to form an oxidized reaction mixture; b) cooling, in a cooling section, the oxidized reaction mixture from a temperature Ti to a temperature T3; c) decomposing, in a decomposition section, the oxidized reaction mixture to form a decomposed reaction mixture, which decomposed reaction mixture has a temperature T4; and d) removing cyclohexane from the decomposed reaction mixture; characterized in that step b) comprises i) cooling the oxidized reaction mixture from a temperature T1 to a temperature T2 by means of an in-process heat exchanger configured to heat the decomposed reaction mixture obtained in step c) from a temperature T4 to a temperature T5; and ii) cooling the oxidized reaction mixture from a temperature T2 to a temperature T3 by means of a cooling unit; and apparatus for carrying out the same.

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

(21) Application No.4011/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: ENHANCED RESISTIVITY MEASUREMENT APPARATUS METHODS AND 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>	:09/11/2012 :WO 2013/074411 :NA :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC.  Address of Applicant: 10200 Bellaire Blvd. Houston Texas 77072 U.S.A. (72)Name of Inventor:  1)DONDERICI Burkay
Filing Date	:NA :NA	

#### (57) Abstract:

Apparatus and systems as well as methods may operate to acquire formation signals from a deep measurement electromagnetic antenna array where values of the formation signals depend on properties of a geological formation. Formation signals may also be acquired from an at bit resistivity (ABR) sensor where the ABR sensor comprises a drill bit electrically coupled to a toroid or to multiple electrodes the electrodes separated by at least one gap. Further activities may include inverting the values of the formation signals to transform the values into an enhanced resistivity measurement for the geological formation wherein the inverting comprises determining at least one of relative distance between layers of the geological formation relative orientation of the layers to a housing or a resistivity gradient of the layers wherein the layers are not locally penetrated by the bit. Additional apparatus systems and methods are disclosed.

No. of Pages: 88 No. of Claims: 21

(21) Application No.4012/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : METHOD SYSTEM AND COMPUTER PROGRAM PRODUCT FOR NAVIGATING DIGITAL MEDIA CONTENT

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:G06F17/30 :1118315.9 :24/10/2011 :U.K. :PCT/GB2012/052634 :24/10/2012 :WO 2013/061053 :NA :NA	(71)Name of Applicant:  1)OMNIFONE LTD  Address of Applicant: The Old School 50 Brook Green London W6 7BJ U.K. (72)Name of Inventor:  1)SANT Philip  2)BLATCHFORD Dominic  3)HART Neal  4)WHITE Matthew
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## (57) Abstract:

The field of the invention relates to methods systems and computer program products for navigating digital media content in particular for navigating digital media content using an interface abstracted from that digital media content instead of or as a supplement to traditional user interface controls. There is provided a method for presenting a user interface to an end user to facilitate the searching browsing and/or navigation of digital media content the method comprising the steps of: (a) analysing the digital media content to create hooks related to the digital media content or retrieving hooks in the digital media content and (b) replacing or augmenting a graphical or textual representation of the digital media content with the hooks.

No. of Pages: 27 No. of Claims: 37

(21) Application No.4013/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: ZINC AND/OR MANGANESE ALUMINATE CATALYST USEFUL FOR ALKANE **DEHDYROGENATION**

(51) International classification: B01J23/00,B01J23/34,B01J37/03 (71) Name of Applicant:

:17/12/2012

:WO 2013/091822

(31) Priority Document No :11010141.7 (32) Priority Date :22/12/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/005211

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)SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant: P.O. Box 5101 11422 Riyadh Saudi

(72)Name of Inventor:

1)SELVANATHAN Anthonisamy 2)SUBHASH Chandra Laha

# (57) Abstract:

The present invention relates to a catalyst composition suitable for the dehydrogenation of alkanes having 2-8 carbon atoms comprising zinc and/or manganese aluminate, optionally further comprising sodium (Na), potassium (K), caesium (Cs), rubid ium (Rb), strontium (Sr), barium (Ba), magnesium (Mg), calcium (Ca), gallium (Ga), germanium (Ge),tin (Sn), copper (Cu), zirconi um (Zr), cobalt (Co), tungsten (W) or mixtures thereof, wherein said catalyst composition preferably is essentially platinum free. Furthermore, a method for preparing said catalyst composition and a process for dehydrogenating alkanes having 2-8 carbon atoms, preferably isobutane, comprising contacting the said catalyst composition with said alkanes is provided.

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

(21) Application No.4014/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: TOPICAL PHARMACEUTICAL COMPOSITIONS COMPRISING BEXAROTENE AND A

**CORTICOSTEROIDS** 

(51) International :A61K31/192,A61K31/573,A61K9/06

:18/12/2012

:NA

:PCT/EP2012/005237

classification

(31) Priority Document No :12000077.3 :09/01/2012 (32) Priority Date

(33) Name of priority

:EPO

country (86) International

Application No

Filing Date

(87) International

:WO 2013/104399 Publication No

(61) Patent of Addition to

**Application Number** Filing Date

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

(71)Name of Applicant: 1)ALMIRALL S.A.

Address of Applicant :Ronda del General Mitre 151 E 08022

Barcelona Spain

(72)Name of Inventor: 1)EVERS Fritjof

2)FIELHAUER Sabine 3)MALLWITZ Henning 4)TROMMER Hagen 5)WILLERS Christoph

(57) Abstract:

Topical pharmaceutical compositions are described comprising: a) bexarotene, b) a corticosteroid, and c) a carrier or vehicle. Said compositions are useful for the treatment of skin disorders.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ANODIC COMPARTMENT FOR METAL ELECTROWINNING CELLS

(51) International classification	:C25C7/00	(71)Name of Applicant:
(31) Priority Document No	:MI2011A001938	1)INDUSTRIE DE NORA S.P.A.
(32) Priority Date	:26/10/2011	Address of Applicant :Via Bistolfi 35 I 20134 Milan Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/071172	1)FAITA Giuseppe
Filing Date	:25/10/2012	
(87) International Publication No	:WO 2013/060786	
(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 concerns an anodic compartment for metal electrowinning cells delimited by a frame shaped skeleton comprising an envelope including a permeable separator secured to said frame shaped skeleton by means of a frame shaped flange at least one anode obtained starting from a valve metal substrate coated with at least one corrosion resistant catalytic layer said anode being inserted inside said envelope and a demister located above said anode and delimited by said separator and said skeleton. The invention also concerns an electrochemical cell for metal electrowinning comprising at least one such anodic compartment.

No. of Pages: 10 No. of Claims: 7

(21) Application No.2821/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SEAT CROSSMEMBER OF MODULAR CONSTRUCTION

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (89) Priority Country (89) International Publication No Filing Date (89) International Publication No Filing Date (80) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) Priority Date Filing Date (82) STUTTGART, GERMANY (72) Name of Inventor:  1) BECHTLER, FRANK 2) BRUNNER, VOLKER  2) BRUNNER, VOLKER	<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>	:NA :NA : NA :NA :NA :NA	Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor: 1)BECHTLER, FRANK
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## (57) Abstract:

The invention relates to a seat crossmember (4) of modular construction for use in a motor vehicle. In such a seat crossmember, provision is made according to the invention for the at least one carrier part (6) of the seat crossmember (4) to be designed as an extruded profile and for at least one further carrier part (5) of the seat crossmember (4) to have a passage (14) for at least one airconditioning line (15).

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

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF MANUFACTURING POROUS GLASS DEPOSITION BODY FOR OPTICAL FIBER

#### (57) Abstract:

Provided is a method of manufacturing a porous glass deposition body for optical fiber comprising depositing silica powder on a starting member being raised and rotated by using burners with different deposition positions. With a glass raw material flow rate supplied to a core deposition burner represented by F1 and a total flow rate of glass raw material supplied to a cladding deposition burner adjacent to the core deposition burner represented by F2, during an initial deposition stage occurring before gas conditions reach a stable state, glass raw material is supplied to points at the same longitudinal position of the deposition body such that a glass raw material flow rate ratio F2/F1 is no less than 0.69 and no greater than 1.03.

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

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AEROSOL GENERATING ARTICLE FOR USE WITH AN AEROSOL GENERATING DEVICE

(51) International classification	:A24F47/00	(71)Name of Applicant :
(31) Priority Document No	:11196203.1	1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:30/12/2011	Address of Applicant :Quai Jeanrenaud 3 CH 2000 Neuchtel
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/077077	(72)Name of Inventor:
Filing Date	:28/12/2012	1)ZUBER Grard
(87) International Publication No	:WO 2013/098405	2)MEYER Cdric
(61) Patent of Addition to Application	:NA	3)LOUVET Alexis
Number	*	4)JARRIAULT Marine
Filing Date	:NA	5)BADERTSCHER Thomas
(62) Divisional to Application Number	:NA	6)GINDRAT Pierre Yves
Filing Date	:NA	7)SANNA Daniele

#### (57) Abstract:

An aerosol generating article (10) comprises: an aerosol forming substrate (20); a support element (30) located immediately downstream of the aerosol forming substrate (20); an aerosol cooling element (40) located downstream of the support element (30); and an outer wrapper (60) circumscribing the aerosol forming substrate (20) the support element (30) and the aerosol cooling element (40). The support element (30) abuts the aerosol forming substrate (20). The aerosol forming substrate (20) is penetrable by a heating element (110) of an aerosol generating device (120).

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

(21) Application No.4028/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS FOR THE PREPARATION OF HYDROGELS USING LIPASE ENZYMES

(51) International classification	n:C12P19/04,A01N1/02,C12N5/076	(71)Name of Applicant :
(31) Priority Document No	:1120368.4	1)SPERMVITAL AS
(32) Priority Date	:24/11/2011	Address of Applicant :Holsetgaten 22 N 2317 Hamar Norway
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application	:PCT/EP2012/073434	1)KLINKENBERG Geir
No		2)DOMAAS JOSEFSEN Kjell
Filing Date	:23/11/2012	3)KOMMISRUD Elisabeth
(87) International Publication No	:WO 2013/076232	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA :NA	

# (57) Abstract:

Filing Date

The present invention relates to an improved method for preparinghydrogels such as alginate hydrogels. The hydrogels of the present invention is in particular useful for immobilisation and preservation of biological material such as cellular material e.g. spermatozoa.

No. of Pages: 28 No. of Claims: 38

(21) Application No.4029/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: UREASE INHIBITOR FORMULATIONS

(51) International classification: C05G3/08, C07F9/22, C07D333/48 (71) Name of Applicant: (31) Priority Document No :2011904729

(32) Priority Date :14/11/2011 (33) Name of priority country : Australia

(86) International Application :PCT/AU2012/001395

No :13/11/2012 Filing Date

(87) International Publication :WO 2013/071344

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

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

1)INCITEC PIVOT LTD

Address of Applicant :Level 8 28 Freshwater Place Southbank

Victoria 3006 Australia (72)Name of Inventor: 1)PHILLIP Arpad T 2)HILDEBRAND Roydon

3)DAVIES Rohan 4)WALKER Charlie

## (57) Abstract:

There is provided a liquid urease inhibitor formulation comprising an urease inhibitor and a primary solvent selected from the group consisting of dialkyl sulfones polymethylene cyclic sulfones and mixtures thereof. A method for inhibiting urease hydrolysis of urea containing fertiliser or waste using said liquid urease inhibitor formulation is also described.

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

(21) Application No.4127/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ABSORPTION AND OXIDATION OF NO IN IONIC LIQUIDS

(51) International classification	:B01D53/14,B01D53/56	(71)Name of Applicant:
(31) Priority Document No	:11191127.7	1)DANMARKS TEKNISKE UNIVERSITET
(32) Priority Date	:29/11/2011	Address of Applicant : Anker Engelundsvej 1 DK 2800 Kgs.
(33) Name of priority country	:EPO	Lyngby Denmark
(86) International Application No	:PCT/EP2012/073969	(72)Name of Inventor:
Filing Date	:29/11/2012	1)RIISAGER Anders
(87) International Publication No	:WO 2013/079597	2)KUNOV KRUSE Andreas J.
(61) Patent of Addition to Application	:NA	3)MOSSIN Susanne L.
Number	:NA	4)FEHRMANN Rasmus
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention concerns the absorption and oxidation of nitric oxide (NO) in the presence of water and oxygen in ionic liquid compositions at ambient temperature.

No. of Pages: 90 No. of Claims: 12

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: IMPROVED CATALYST FOR N BUTANE OXIDATION TO MALEIC ANHYDRIDE

(51) International :B01J27/198,B01J27/199,B01J37/02 classification (31) Priority Document No :13/317656 (32) Priority Date :25/10/2011 (33) Name of priority country:U.S.A. (86) International :PCT/US2012/061376 Application No :22/10/2012 Filing Date

(87) International Publication :WO 2013/062919 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)INEOS USA LLC

Address of Applicant :3030 Warrenville Road Suite 650 Lisle

Illinois 60532 U.S.A. (72)Name of Inventor: 1)HADDAD Muin S.

2) GUSTAFERRO Robert A.

#### (57) Abstract:

A process for the preparation of a promoted VPO catalyst wherein the catalyst comprises the mixed oxides of vanadium and phosphorus and wherein the catalyst is promoted with at least one of niobium cobalt iron zinc molybdenum or titanium said process comprising the steps of (i) preparing a VPO catalyst comprising vanadyl pyrophosphate as the major component and containing less than 5 wt% of vanadyl phosphate (ii) contacting the VPO catalyst with a solution comprising a metal source compound of at least one metal selected from the group consisting of niobium cobalt iron zinc molybdenum or titanium to form a metal impregnated VPO catalyst and (iii) drying the metal impregnated VPO catalyst to form the promoted VPO catalyst. In one embodiment a niobium promoted VPO catalyst is prepared.

No. of Pages: 24 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :21/05/2014

(21) Application No.4114/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: ELECTRIC VEHICLE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60L15/20 :2011-256141 :24/11/2011 :Japan :PCT/JP2012/080323 :22/11/2012 :WO 2013/077409 :NA :NA :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)OZAKI Takayoshi 2)OKADA Koichi 3)SUZUKI Kenichi
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#### (57) Abstract:

Tt represents the total drive torque which is the sum of the drive torques of all motors (6) driving the wheel (2) of a vehicle m represents the mass of the vehicle r represents the radius of a tire and R represents the speed reduction ratio of a decelerator (7) inserted between the motors (6) and the wheel (2). An angular acceleration monitoring means (37) monitors whether the angular acceleration of the wheel (2) detected by means of an angular acceleration detection means (39) is equal to or less than a permissible angular acceleration (W) calculated by means of equation W-KI—R—Tt/m/r 2(KI being a constant). A slip adaptive control means (38) allows a motor control part (33) to reduce the drive torque of a motor when it is determined that the angular acceleration surpasses the permissible angular acceleration (W).

No. of Pages: 61 No. of Claims: 11

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: MOTOR CONTROL DEVICE

(51) International classification :B60L9/18,B60K7/00,B60L3/00 (71)Name of Applicant:

(31) Priority Document No :2011-256140 (32) Priority Date :24/11/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/080322

Filing Date :22/11/2012

(87) International Publication No :WO 2013/077408

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

Number :NA Filing Date:

(71)Name of Applicant: 1)NTN CORPORATION

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(21) Application No.4115/DELNP/2014 A

(72)Name of Inventor: 1)OZAKI Takayoshi

#### (57) Abstract:

(19) INDIA

A temperature sensor (Sa) for detecting the temperature (Tc) of an inverter (31) is provided thereto. Multiple threshold values are set with regard to the temperature (Tc) detected by means of the temperature sensor (Sa) current restriction conditions that are different from one another are set for each temperature region divided by means of each threshold value and an inverter restriction means (95) imposes a restriction to a current command issued to the inverter (31) in accordance with the current restriction condition of the temperature region containing the detected temperature (Tc). As a consequence the temperature of the inverter is managed without preventing a vehicle from being driven. Moreover changes in the characteristics of the inverter (31) and damages thereto caused by the overheating of the inverter (31) are prevented and the life of the inverter (31) is prevented from being shortened.

No. of Pages: 44 No. of Claims: 9

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF A MIXTURE COMPRISING CYCLOHEXANOL AND CYCLOHEXANONE

(51) International classification :C07C29/132,C07C45/33,C07C45/53

(31) Priority Document No :11192436.1 (32) Priority Date :07/12/2011

(33) Name of priority :EPO

country (86) International

Application No :PCT/EP2012/074216

Filing Date :03/12/2012

(87) International Publication No :WO 2013/083513

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

(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)TINGE Johan Thomas2)DAGUENET Corinne3)VERSCHUREN Iris

# (57) Abstract:

A continuous process for the preparation of a mixture of cyclohexanone and cyclohexanol said process comprising: a) oxidizing cyclohexane in an oxidation section without a transition metal containing catalyst in the presence of an oxygen containing gas to form an oxidized reaction mixture; b) cooling the oxidized reaction mixture in a cooling section c) decomposing the oxidized reaction mixture in a decomposition section at a temperature below 130 °C in the presence of a transition metal containing catalyst and an aqueous caustic solution to form a decomposed reaction mixture; and d) recovering cyclohexane in a recovery section from the decomposed reaction mixture; characterized in that b) comprises i) evaporating cyclohexane in one or more fractionation columns operated at a pressure lower than the pressure of the oxidation section without external heat input and returning a portion of the cyclohexane so evaporated to the oxidation section; and ii) cooling the reaction mixture in one or more indirect heat exchangers; and apparatus for carrying out the same.

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

(21) Application No.4118/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date: 20/02/2015

(54) Title of the invention: MICROSTRUCTURED CHIP COMPRISING CONVEX SURFACES FOR SURFACE PLASMON RESONANCE ANALYSIS ANALYSIS DEVICE CONTAINING SAID MICROSTRUCTURED CHIP AND USE OF SAID **DEVICE** 

(51) International :G01N21/55,C12O1/68,G01N33/543 classification

(31) Priority Document No :11 59720

(32) Priority Date :26/10/2011 (33) Name of priority

:France country

(86) International :PCT/FR2012/052452 Application No

:25/10/2012 Filing Date

(87) International Publication: WO 2013/060989

(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)MERCEY Thibaut

Address of Applicant: 123 rue du Faubourg Saint Antoine F

75011 Paris France (72)Name of Inventor: 1)MERCEY Thibaut

## (57) Abstract:

The present invention relates to a microstructured chip (3; 33; 43; 53; 63) for surface plasmon resonance (SPR) analysis taking the form of a solid formed by: a base (5; 77); an upper surface (4; 44) at least part of which is covered with a metal layer (2; 22; 42; 52; 62); and at least one side surface (55; 66). The chip is characterised in that the aforementioned upper surface is provided with micrometric zones intended to receive species to be analysed and selected from among n protrusions and m cavities and in that when n+m≥ 2 said zones are separated from one another by planar surfaces with n varying between 1 and j m varying between 0 and i and j and i being integers.

No. of Pages: 53 No. of Claims: 21

(21) Application No.4022/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: EMBOSSED SEPARATORS BATTERIES AND METHODS

(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	:H01M2/14,H01M2/16,H01M10/058 :61/562195 :21/11/2011 :U.S.A. :PCT/US2012/066233 :21/11/2012 :WO 2013/078292 :NA :NA	(71)Name of Applicant:  1)DARAMIC LLC  Address of Applicant:13800 South Lakes Drive Charlotte NC 28273 U.S.A. (72)Name of Inventor:  1)MILLER Eric H. 2)CHAMBERS Jeffrey K. 3)TIMMONS John R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An improved new modified or more robust embossed battery separator for a storage battery a method for its production an envelope embossed separator batteries including the embossed separators and/or envelopes and/or related methods for the production and/or use of the embossed separators embossed envelopes and/or batteries including such embossed separators and/or envelopes.

No. of Pages: 47 No. of Claims: 19

(21) Application No.4023/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : METHODS SYSTEMS DEVICES AND COMPUTER PROGRAM PRODUCTS FOR MANAGING PLAYBACK OF DIGITAL MEDIA 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F17/30 :1118784.6 :31/10/2011 :U.K. :PCT/GB2012/052705 :31/10/2012 :WO 2013/064819 :NA :NA :NA	(71)Name of Applicant:  1)OMNIFONE LTD  Address of Applicant: The Old School 50 Brook Green London W6 7BJ U.K. (72)Name of Inventor:  1)SANT Philip  2)BLATCHFORD Dominic  3)HART Neal  4)WHITE Matthew  5)TIGHE Matthew
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#### (57) Abstract:

A method is provided for managing playback of one or more items of digital media content for example to ensure naturalistic transitioning between items of digital media content comprising the steps of: (a) identifying a description which defines how to manage the playback of one or more items of digital media content the description including descriptive metadata and (b) utilising the description within a digital media player to control automatically the playback of digital media content. Associated systems computer program products digital media players and servers are also provided.

No. of Pages: 85 No. of Claims: 45

(21) Application No.4024/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : REMOVAL OF 5 HYDROXYMETHYLFURFURAL (HMF) FROM REACTION SOLUTIONS BY STEAM DISTILLATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07D307/46 :11193154.9 :13/12/2011 :EPO :PCT/EP2012/074737 :07/12/2012 :WO 2013/087523 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)BASF SE     Address of Applicant:67056 Ludwigshafen Germany</li> <li>(72)Name of Inventor:     1)B-HLING Ralf     2)BLANK Benoit     3)KINDLER Alois     4)FELDNER Carmen     5)UMLAUF Sandra</li> </ul>
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#### (57) Abstract:

A process for preparing solutions which comprise 5-hydroxymethylfurfural (HMF) and have reduced content of starting materials from the HMF synthesis or a reduced content of by products of the HMF synthesis (called product solution hereinafter) characterized in that solutions comprising HMF starting materials or by products of the HMF synthesis and an organic solvent having at least two ether groups (polyether for short) (called starting solution hereinafter) are treated with steam in an evaporator.

No. of Pages: 17 No. of Claims: 14

(21) Application No.4025/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR MANAGING INDUSTRIAL PROCESSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:01/10/2012 :WO 2013/062725 :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)LE SANT Aurelien 2)TITUS Jeffrey R.
Filing Date	:NA	

#### (57) Abstract:

According to at least one embodiment an automatic control device is provided. The automatic control device is configured to publish automatic control device (ACD) information. The automatic control device includes a memory storing the ACD information at least one processor coupled to the memory an industrial protocol interface executed by the at least one processor and configured to exchange messages formatted according to the industrial protocol and a dashboard component executed by the at least one processor and configured to display the ACD information via at least one dashboard widget.

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

(21) Application No.4130/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SCALABLE LENTIVIRAL VECTOR PRODUCTION SYSTEM COMPATIBLE WITH INDUSTRIAL PHARMACEUTICAL 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:26/11/2012 :WO 2013/076309 :NA :NA	(71)Name of Applicant:  1)GENETHON Address of Applicant: 1 bis rue de lInternationale F 91000 Evry France (72)Name of Inventor: 1)MARCEAU Nicolas 2)GASMI Mehdi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention relates to the industrialization of the production of recombinant lentiviral vectors in order to manufacture sufficient materials for therapeutic applications such as gene therapy and/or DNA vaccination for use in clinical trials and/or commercial use.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SYSTEM METHOD AND APPARATUS FOR PLUMBING FITTING WITH REMOVABLE SAMPLING VALVE

(51) International classification: F16L29/00,F16L55/10,F16L41/14 (71) Name of Applicant: (31) Priority Document No 1)SAINT GOBAIN PERFORMANCE PLASTICS :61/555915 (32) Priority Date :04/11/2011 CORPORATION (33) Name of priority country :U.S.A. Address of Applicant: 1199 South Chillicothe Road Aurora (86) International Application Ohio 44202 U.S.A. :PCT/US2012/063479 (72)Name of Inventor: :04/11/2012 Filing Date 1)NGUYEN Hy B. (87) International Publication :WO 2013/067471 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

# (57) Abstract:

A plumbing assembly includes a plumbing fitting having a body. The body includes a main body portion having a main bore extending there through. A peripheral body portion extends from the main body portion. The peripheral body portion includes a distal end and a sampling bore extends through the peripheral body such that the sampling bore is in fluid communication with the main bore. The plumbing assembly further includes a sampling valve threadably coupled to the distal end of the peripheral body portion of the plumbing fitting. The sampling valve extends at least partially into the sampling bore without extending into the main bore. As such the main bore is unimpeded by the sampling valve and use of the sampling valve imparts substantially no pressure drop in a fluid passing through the main bore of the plumbing fitting.

No. of Pages: 31 No. of Claims: 37

(21) Application No.2730/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

# (54) Title of the invention: ADDITION OF IRON TO IMPROVE CELL CULTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N5/00 :61/550058 :21/10/2011 :U.S.A. :PCT/IB2012/055457 :09/10/2012 :WO 2013/057628 :NA :NA	(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: 1)WANG Wenge 2)LUAN Yen Tung 3)DRAPEAU Denis 4)NOLAN Ryan P.
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## (57) Abstract:

The present invention provides among other things methods of increasing cell density viability and/or titer in a cell culture including steps of adding a composition comprising iron to the cell culture.

No. of Pages: 61 No. of Claims: 54

(21) Application No.4019/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: CALIBRATION OF A LINE DRIVING DEVICE

(51) International

:G01R27/32,G01R35/00,H04B3/46

classification (31) Priority Document No

:13/334602 :22/12/2011

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

(86) International Application

:PCT/SE2012/051493

Filing Date

:21/12/2012

(87) International Publication :WO 2013/095296

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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant: S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)ERICSON Klas

2)ALMEIDA Henrik

3)BERG Miguel

4)B-RJESSON Per Ola

5)FERTNER Antoni

6)LINDQVIST Fredrik

(57) Abstract:

Method arrangement and devices for calibration of a line driving device such as a DSLAM having a line port. The method comprises deriving of a first parameter vector PVinf for example Hinf. The parameter vector PVinf is derived by performing at a first site an echo measurement on the line driving device while the line porton said line driving device is open. The method further comprises calibrating the line driving device based on the first parameter vector PVinf and a second parameter vector PVref which second parameter vector is based on information on echo measurements performed on at least one reference line driving device.

No. of Pages: 43 No. of Claims: 18

(21) Application No.4020/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

:NA

## (54) Title of the invention: AEROSOL GENERATING SYSTEM WITH CONSUMPTION MONITORING AND FEEDBACK

(51) International classification :A24F47/00,A61M11/04 (71)Name of Applicant : (31) Priority Document No 1)PHILIP MORRIS PRODUCTS S.A. :11196227.0 (32) Priority Date Address of Applicant: Ouai Jeanrenaud 3 CH 2000 Neuchatel :30/12/2011 (33) Name of priority country :EPO Switzerland (86) International Application No (72)Name of Inventor: :PCT/EP2012/077066 1)TALON Pascal Filing Date :28/12/2012 (87) International Publication No :WO 2013/098398 2)FLORACK Dionisius (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

There is provided an aerosol generating system configured for oral or nasal delivery of a generated aerosol to a user the system comprising a heater element (20) configured to heat an aerosol forming substrate to generate an aerosol a power source (40) connected to the heater element a controller (30) connected to the heater element and to the power source wherein the controller is configured to control operation of the heater element the controller including or being connected to a means to detect a change in air flow past the heater element first data storage means (56) connected to the controller for recording detected changes in airflow past the heater element and data relating to the operation of the heater element second data storage means comprising a database (57) relating changes in airflow and data relating to the operation of the heater element to the properties of the aerosol delivered to the user and an indication means (59) coupled to the second data storage means for indicating to the user a property of the aerosol delivered to the user. The property or properties of the aerosol delivered to the user may comprise amounts of particular chemical compounds.

No. of Pages: 37 No. of Claims: 15

(21) Application No.4021/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: SUBCUTANEOUS THERAPEUTIC USE OF DPP 4 INHIBITOR

(51) International :A61K31/00,A61K31/522,A61K38/26 classification (31) Priority Document No :11196122.3

(32) Priority Date :29/12/2011 (33) Name of priority

:EPO country

(86) International :PCT/EP2012/077024 Application No

:28/12/2012 Filing Date

(87) International :WO 2013/098372 Publication No

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

1)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Strasse 173 55216 Ingelheim

Am Rhein Germany (72)Name of Inventor: 1)KLEIN Thomas 2)MARK Michael

(71)Name of Applicant:

# (57) Abstract:

Filing Date

The present invention relates to methods for treating and/or preventing metabolic diseases comprising the subcutaneous or transdermal administration of a therapeutically effective amount of a certain DPP-4 inhibitor. The invention further relates to a subcutaneous combination of a certain DPP-4 inhibitor and GLP-1 having a short half life, particularly for reducing weight.

No. of Pages: 56 No. of Claims: 18

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : STABLE SUSPOEMULSIONS COMPRISING A PLURALITY OF AGRICULTURALLY ACTIVE INGREDIENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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> Number	:27/11/2012 :WO 2013/082016 :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)XU Wen  2)TANK Holger  3)COBB Joey D.  4)KEENEY Franklin N.
(61) Patent of Addition to Application Number Filing Date	:NA	3)COBB Joey D.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a stable suspoemulsion which includes an oil in water miniemulsion which includes at least one agriculturally active ingredient and a suspension that includes at least one agriculturally active ingredient and methods of using such suspoemulsions to treat plants. The miniemulsion comprises oily globules that include at least one agriculturally active ingredient and are coated with a polymeric adsorption layer. The polymeric adsorption layer coating the oily globules includes (1) at least one polymeric surface active agent having an HLB values in the range of about 16 to about 18 and (2) at least one ionic surface active agent. The oily globules of the miniemulsion have a mean particle diameter of less than about 800 nanometers are resistant to Ostwald ripening and are well suited for the treatment of plants. Agriculturally active ingredients that can be used with the suspoemulsion include pesticides herbicides fungicides mitocides bactericides and the like.

No. of Pages: 32 No. of Claims: 27

(19) INDIA

(43) Publication Date: 20/02/2015

(21) Application No.4041/DELNP/2014 A

(22) Date of filing of Application :20/05/2014

# (54) Title of the invention : ENDPLATE FOR HOT ISOSTATIC PRESSING CANISTER HOT ISOSTATIC PRESSING CANISTER AND HOT ISOSTATIC PRESSING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B22F3/12,B22F3/15 :13/309865 :02/12/2011 :U.S.A. :PCT/US2012/064593 :12/11/2012 :WO 2013/081802 :NA :NA :NA	(71)Name of Applicant:  1)ATI PROPERTIES INC.  Address of Applicant: 1600 N.E. Old Salem Road Albany Oregon 97321 U.S.A. (72)Name of Inventor:  1)LIPETZKY Peter 2)PEREZ Joseph F. 3)KOSOL Edward A. 4)THOMAS Jean Philippe A.
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#### (57) Abstract:

An endplate for a hot isostatic pressing canister comprises a central region and a main region extending radially from the central region and terminating in a corner about a periphery of the endplate. The thickness of the endplate increases along the main region from the central region to the corner defining a taper angle. The corner includes an inner surface comprising a radiused portion by which the main region smoothly transitions into the lip. A hot isostatic pressing canister including at least one of the endplates also is disclosed along with a method of hot isostatic pressing a metallurgical powder using the hot isostatic canister.

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

(21) Application No.4145/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CONSTRUCTION UNIT FOR IMMEDIATE OR PERMANENT SHELTER

(51) International classification (31) Priority Document No	:E04B1/32,E04H1/12,E04H15/36 :PA 2011 00847	(71)Name of Applicant: 1)EVERSHELTER APS
. ,		
(32) Priority Date	:02/11/2011	Address of Applicant :K rgade 25 DK 8940 Randers SV
(33) Name of priority country	:Denmark	Denmark
(86) International Application	.DCT/DV2012/050204	(72)Name of Inventor:
No	:PCT/DK2012/050384	1)CHRISTENSEN Jakob
Filing Date	:12/10/2012	2)HEDING Claus Ove
(87) International Publication No	:WO 2013/064150	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	

#### (57) Abstract:

A construction unit (23) that is adapted for being combined with one more similar units (23) to constitute a self carrying structure (40) to use for shelter or dwelling wherein each construction unit (23) make up for both one sidewall and half a roof in one segment. A plurality of construction units (23) are adapted for constructing a static functional self carrying structure (40) where the shape has a curved design related to the mathematical expression The Hyperbolic Cosine or part of an Ellipse in the traverse direction and a linear design in the longitudinal direction when placed as a part of an assembled shelter (40).

No. of Pages: 51 No. of Claims: 49

(21) Application No.4146/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NOVEL COMPOUND METHOD FOR PRODUCING SAME AND USE OF SAME

(51) International (71)Name of Applicant: :C07H15/203,A61K31/704,A61K35/74 classification 1)Microbial Chemistry Research Foundation (31) Priority Document No:2011-238848 Address of Applicant: 14 23 Kamiosaki 3 chome Shinagawa (32) Priority Date :31/10/2011 ku Tokyo 1410021 Japan (33) Name of priority (72)Name of Inventor: :Japan 1)NAKAE Koichi country (86) International 2)KOJIMA Fukiko :PCT/JP2012/070821 Application No :16/08/2012 Filing Date (87) International :WO 2013/065383 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA

#### (57) Abstract:

Filing Date

A compound represented by structural formula (A) or a salt thereof. The compound or the salt thereof is produced suitably from a microorganism belonging to the genus and can be used suitably as a prostaglandin production inhibitor.

No. of Pages: 35 No. of Claims: 7

(21) Application No.4147/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHOD FOR PRODUCING OPTICALLY ACTIVE -HYDROXY $\alpha$ -AMINOCARBOXYLIC ACID ESTER

classification (31) Priority Document No :2 (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	31/10/2011 Japan PCT/JP2012/078771 31/10/2012 WO 2013/065867 NA NA	(71)Name of Applicant:  1)TAKASAGO INTERNATIONAL CORPORATION Address of Applicant: 37 1 Kamata 5 chome Ota ku Tokyo 1448721 Japan (72)Name of Inventor: 1)TANAKA Shigeru 2)TOUGE Taichiro 3)NARA Hideki 4)ISHIDA Kenya
Application Number	NA NA	

#### (57) Abstract:

The present invention relates to a novel method for producing an optically active -hydroxy a-aminocarboxylic acid ester the method comprising performing an asymmetric reduction reaction of a -keto-a aminocarboxylic acid ester by use of a ruthenium complex as a catalyst.

No. of Pages: 71 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :22/05/2014

(21) Application No.4148/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: VENTED NEEDLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A61M5/32 :61/569642 :12/12/2011 :U.S.A. :PCT/US2012/069054 :12/12/2012 :WO 2013/090309 :NA :NA :NA	(71)Name of Applicant:  1)McALLISTER Devin V.  Address of Applicant: 82 ODonnell Avenue Shrewsbury MA 01545 U.S.A.  2)CONNORS Daniel W. (72)Name of Inventor:  1)McALLISTER Devin V. 2)CONNORS Daniel W.
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#### (57) Abstract:

A vented needle comprises a distal end configured to pierce a seal of a first container having a top and a bottom surface and a seal of a second container having a top and a bottom surface. An interior lumen is configured to fluidly couple the first container and a fluid transfer device and the second container and the fluid transfer device. A middle portion is configured to engage the seals of the first container and the second container and having one or more axially extending vents. At least one of the one or more vents is configured to extend axially past the top and bottom surfaces of the seal of the first container and configured to fluidly couple the first container and ambient air outside the first container. None of the one or more vents are configured to extend axially past top and bottom surfaces of the seal of the second container.

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

(21) Application No.4149/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SUPERELASTIC WIRE AND METHOD OF FORMATION

:NA

(51) International classification: H01Q15/20,C22C19/00,C22F1/10 (71)Name of Applicant: (31) Priority Document No :13/328362 1) RAYTHEON COMPANY (32) Priority Date :16/12/2011 Address of Applicant :870 Winter Street Waltham MA 02451 (33) Name of priority country: U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/064537 1)RAJAN Sunder S. No :09/11/2012 Filing Date (87) International Publication :WO 2013/089952 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

A shape memory alloy including a Ni-Ti based alloy is superelastic at temperatures of about -40°C to about 60°C after being exposed to temperatures of about -55°C to about 85°C. A method of forming a memory shape alloy may include preparing a rod comprising a Ni-Ti alloy, drawing a wire from the rod, and treating the wire at a temperature of about 500°C to about 550°C for about less than 1 minute.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: METHOD FOR DETECTING THE PRESENCE OF EXPANDED SPECTRUM B LACTAMASE PRODUCING BACTERIA IN A SAMPLE

(51) International classification :C12Q1/00,C12Q1/04,C12Q1/34 (71)Name of Applicant:

(31) Priority Document No :11306516.3 :18/11/2011 (32) Priority Date

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2012/072908

Filing Date :16/11/2012

(87) International Publication No: WO 2013/072494

(61) Patent of Addition to :NA Application Number

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)INSERM (INSTITUT NATIONAL DE LA SANT‰ ET

DE LA RECHERCHE M‰DICALE)

Address of Applicant: 101 rue de Tolbiac F Paris 75013

2)UNIVERSITE PARIS SUD XI

3)ASSISTANTE PUBLIQUE HOPITAUX DE PARIS

(72)Name of Inventor:

1)NORDMANN Patrice 2)DORTET Laurent

3)POIREL Laurent

#### (57) Abstract:

The present invention relates to a method for detecting the presence of expanded spectrum lactamase (lactamase hydrolyzing expanded spectrum cephalosporin) producing bacteria in a sample said method comprising the steps of: a) performing cell lysis on a test sample in order to obtain an enzymatic suspension; b) reacting a fraction of the enzymatic suspension obtained in step a) with a reagent kit said reagent kit comprising expanded spectrum lactamase substrate selected from the group consisting of cephalosporins aztreonam and cephamycins a pH color indicator which will change color when the pH of the reaction mixture is comprised between 6.4 and 8.4 wherein a color change after step b) indicates the presence of expanded spectrum lactamase producing bacteria in the test sample. The invention also relates to a reagent kit to a microtiter plate and to their uses in detecting the presence of expanded spectrum lactamase producers in a test sample.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR TREATING EFFLUENTS IN A BED OF MICROBEADS BY COLD PLASMA AND PHOTOCATALYSIS

(51) International classification	:C02F1/32,C02F1/72,A61L2/14	(71)Name of Applicant:
(31) Priority Document No	:1161056	1)BEEWAIR
(32) Priority Date	:01/12/2011	Address of Applicant :3 Alle de la Teppe F 71850 Charnay les
(33) Name of priority country	:France	Macon France
(86) International Application No	:PCT/FR2012/052718	(72)Name of Inventor :
Filing Date	:26/11/2012	1)DEVEAU Pierre Alexandre
(87) International Publication No	:WO 2013/079858	2)PARZY Didier
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1421	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

# (57) Abstract:

The invention relates to a process for treating effluents (2) circulating between the inlet (4) and the outlet (5) of a reactor (1) consisting in subjecting the effluents to a cold plasma treatment and to the action of a photocatalyzing agent under UV radiation with a view to the production of oxidizing species for the treatment of the effluents. According to the invention the process consists in subjecting the effluents simultaneously to a cold plasma treatment and to the action of a photocatalyzing agent under UV radiation the cold plasma treatment being carried out in an integrated and localized manner within a bed of porous microbeads (9) placed inside the reactor (1) and that carry the photocatalyzing agent making it possible to ensure the generation of oxidizing species and also their diffusion within the bed.

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

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: METHOD FOR PRODUCING CONCAVE CONVEX SUBSTRATE USING SOL GEL METHOD SOL SOLUTION USED IN SAME METHOD FOR PRODUCING ORGANIC EL ELEMENT USING SAME AND ORGANIC EL ELEMENT OBTAINED THEREBY

(51) International classification :B29C59/00,B29C59/04,H01L21/027 (31) Priority Document No :2011239567 (32) Priority Date :31/10/2011 (33) Name of priority country (86) International Application No Filing Date :PCT/JP2012/070854 :16/08/2012

:WO 2013/065384

Filing Date :16/08/2012
(87) International

Publication No
(61) Patent of Addition to
Application Number
Filing Date

.WO
:NA
:NA

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

(71)Name of Applicant:

1)JX Nippon Oil & Energy Corporation

(21) Application No.4152/DELNP/2014 A

Address of Applicant: 6 3 Otemachi 2 chome Chiyoda ku

Tokyo 1008162 Japan (72)Name of Inventor:
1)TAKAHASHI Madoka
2)KUMAGAI Yoshihiro
3)NISHIMURA Suzushi

#### (57) Abstract:

A method for producing a substrate having a concave convex pattern has a step (S2) for forming a coating film by coating the substrate with a sol solution comprising a silica precursor a step (S3) for drying the coating film a pressing step (S4) for pressing a mold having a concave convex pattern on the dried coating film with a pressing roll a step (S6) for peeling the mold from the coating film and a step (S7) for firing the coating film on which the concave convex pattern has been transferred. The coating film is dried so that the ratio of coated film weight to dried weight when fired at 100°C in the drying step is 1.4 to 8.8. The coating film may also be heated in the pressing step.

No. of Pages: 69 No. of Claims: 17

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF A QUINOLINE CARBOXYLIC ACID

(51) International classification :C07D215/04,C07D215/10 (71)Name of Applicant : (31) Priority Document No :1119690.4

:NA

(32) Priority Date :14/11/2011 (33) Name of priority country :U.K.

(86) International Application No :PCT/EP2012/072636

Filing Date :14/11/2012 (87) International Publication No :WO 2013/072376

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

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant : Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor:

1)GOLLUT Jean Jacques Roger 2)GAYET Arnaud Jean Albert

#### (57) Abstract:

Process for the preparation of a quinoline carboxylic acid The invention provides a process for the preparation of a carboxylic acid of formula (Gn) (which is useful as a safener for herbicides): wherein R i is hy drogen or chlorine, comprising the steps of: (i) subjecting a compound of formula (V) wherein: R i is as defined above; and R 2 is Ci-Cis alkyl; Ci-C6 alkoxyCi-Cs alkyl-; optionally substituted phenyl; or optionally substituted benzyl; to hydrolysis under acidic conditions to give a solution of a quinolinium salt; and (ii) addingbase to the solution obtained in step (i) to give the free carboxylic acid (IV). The invention also provides a solid (e.g. particulate) form of one quinoline carboxylic acid compound within formula (IV) defined by R i being chlorine; and novel intermediates useable in the above process.

No. of Pages: 23 No. of Claims: 25

(22) Date of filing of Application :23/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYMMETRICAL TIP ACUTE CATHETER

<ul> <li>(51) International classification</li> <li>(31) 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>	:A61M :13/629,915 :28/09/2012 :U.S.A. :NA :NA	· /
(87) International Publication No	: NA	1)BELLISARIO, MARC
(61) Patent of Addition to Application Number	:NA	2)THOMASHEY, DAVID
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A medical catheter assembly includes a catheter tip coupled to a distal end of an elongate catheter member and is symmetric about a plane defined by a septum of the elongate catheter member. The catheter tip defines first and second lumens, and the catheter tip defines first and second openings in the distal portion of the catheter tip. Each opening of the catheter tip is defined by a respective side surface of the catheter tip. P Each opening is in fluid communication with a respective one of the first and second lumens of the catheter tip and with a respective one of a pair of lumens defined by the elongate catheter member. The distance between upper and lower surfaces of the catheter tip decreases from a distal end of the proximal portion toward a closed distal end of the catheter tip.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A PACKAGED PROBIOTIC COMPOSITION AND USES THEREOF

(51) International classification	:A61F13/00,A61L15/36	(71)Name of Applicant:
(31) Priority Document No	:11190803.4	1)MICURI APS
(32) Priority Date	:25/11/2011	Address of Applicant :Krakasvej 17 DK 3400 Hiller,d
(33) Name of priority country	:EPO	Denmark
(86) International Application No	:PCT/EP2012/073521	(72)Name of Inventor:
Filing Date	:23/11/2012	1)NIELSEN Brian
(87) International Publication No	:WO 2013/076272	2)NIELSEN Erik
(61) Patent of Addition to Application	:NA	3)K,,HLER HJENNER Helene
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a packaged probiotic composition which is useful for treating or preventing bacterial colonisation in wounds and tissue. A characteristic feature of the invention is that the probiotic composition contains a probiotic microorganism which is in direct contact with water during storage of the probiotic composition. The invention furthermore pertains to methods of using and producing the probiotic composition.

No. of Pages: 54 No. of Claims: 19

(21) Application No.4043/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: CYCLOSPORINE A FORM 2 AND METHOD OF MAKING SAME

(51) International :C07K7/64,A61K38/13,A61P27/02 classification

:WO 2013/074608

(31) Priority Document No

:61/559830 (32) Priority Date :15/11/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/064985

No

:14/11/2012 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 (57) Abstract:

(71)Name of Applicant: 1)ALLERGAN INC.

Address of Applicant :2525 Dupont Drive Irvine California

92612 U.S.A.

(72)Name of Inventor:

1)WU Ke

2)SMITH Scott W.

Disclosed herein are methods of making cyclosporin A Form 2.

No. of Pages: 30 No. of Claims: 23

(21) Application No.4044/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SUSTAINED ACTION FORMULATION OF CYCLOSPORIN FORM 2

(51) International :A61K9/00,A61K47/36,A61K38/13 classification

(31) Priority Document No :61/559838 (32) Priority Date :15/11/2011

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

(86) International Application :PCT/US2012/064988

No :14/11/2012 Filing Date

(87) International Publication :WO 2013/074610

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)ALLERGAN INC.

Address of Applicant :2525 Dupont Drive Irvine California

92612 U.S.A.

(72)Name of Inventor: 1)BLANDA Wendy M. 2)ATTAR Mayssa

(57) Abstract:

Disclosed herein are methods of treating diseases of the eye by administering to the subconjunctival space a formulation comprising cyclosporin A form 2 and a hydrogel.

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

(21) Application No.4045/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AUTOCLAVABLE SUSPENSIONS OF CYCLOSPORIN A FORM 2

(51) International :A61K9/00,A61K47/36,A61K38/13 classification

(31) Priority Document No :61/559849 (32) Priority Date :15/11/2011

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

(86) International Application :PCT/US2012/064998

No :14/11/2012

Filing Date (87) International Publication :WO 2013/074616

No

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

Filing Date (62) Divisional to Application :NA Number :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)BLANDA Wendy M. 2)RIVERS Hongwen Ma 3)MARSH David A.

4)LUU Michelle

#### (57) Abstract:

Filing Date

Disclosed herein are autoclavable formulations of cyclosporin A Form 2 methods of making such formulations and methods of treating diseases of the eye with such formulations.

No. of Pages: 40 No. of Claims: 5

(21) Application No.4046/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: POWER TRANSMISSION BELT MADE OF KENAF REINFORCED RUBBER COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:03/12/2012 :WO 2013/090042 :NA :NA :NA	(71)Name of Applicant:  1)THE GATES CORPORATION  Address of Applicant: A Delaware Corporation 1551 Wewatta Street Denver CO 80202 U.S.A.  (72)Name of Inventor:  1)FENG Yuding
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An elastomeric composition and a power transmission belt based elastomeric composition wherein the composition includes kenaf fiber.

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

(21) Application No.4047/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF MAKING A FOAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C08J9/28 :NA :NA :NA :PCT/US2011/061915 :22/11/2011 :WO 2013/077865 :NA :NA	(71)Name of Applicant: 1)CRYOVAC INC. Address of Applicant: Post Office Box 464 100 Rogers Bridge Road Duncan SC 29334 U.S.A. (72)Name of Inventor: 1)SPEER Drew 2)MAHON William J. 3)MAO Lorna Lu Zhao
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of making a foam comprising the following steps. A mixture is created comprising (i) a first reactant comprising triglyceride having acrylate functionality (ii) a second reactant comprising diacrylate and (iii) a blowing agent. The mixture is expanded to create a froth. The first and second reactants of the froth are reacted to create the foam.

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

(21) Application No.4156/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: DEVICE AND METHOD FOR COOLING A PATIENT

(51) International

:A61F7/12,A61M16/00,A61M16/06 classification

(31) Priority Document No :11191745.6 (32) Priority Date :02/12/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/065843

:14/08/2012 Filing Date

(87) International Publication :WO 2013/079227

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)SCHILLER MEDICAL S.A.S

Address of Applicant: 4 rue Louis Pasteur F 67162

Wissembourg Cedex France (72)Name of Inventor: 1)FONTAINE Guy

#### (57) Abstract:

A device is provided for cooling intra nasally the brain of a patient in particular of a patient suffering from cardiovascular emergency. The device comprises a pressurized gas container for containing a gas or a mixture of gases and at least one cannula with a lumen a proximal opening and at least one distal opening. The cannula is for introduction into the patient's nasopharynx. Upon operation gas expands adiabatically upon exiting from the at least one cannula thereby cools and provides a coolant effect on the nasopharynx and inside the nasal cavity.

No. of Pages: 55 No. of Claims: 39

(21) Application No.4048/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR GRANULAR TAGGING AND SEARCHING MULTIMEDIA CONTENT BASED ON USER REACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F17/30 :13/291064 :07/11/2011 :U.S.A. :PCT/IB2012/056004 :30/10/2012 :WO 2013/068884 :NA :NA :NA	(71)Name of Applicant:  1)MALAVIYA Rakesh    Address of Applicant: G 67 Oriental Villa Sushant Lok Phase  3 Sector 57 Gurgaon 122002 Haryana India (72)Name of Inventor:  1)BIST Anurag  2)LALANI Hamid
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#### (57) Abstract:

A system and a method for generating an emotional profile of the user and deriving inference from the analytics of generated emotional profile is provided. The method involves sharing media content or online event in a connected environment; capturing user s reaction to the said content or event; generating an emotional score of the user to rate the media content or event; and sharing the emotional score within the connected environment.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ADHESIVE SUBSTANCE IN PARTICULAR FOR ENCAPSULATING AN ELECTRONIC ASSEMBLY

(51) International :C09J153/00,C09J193/00,C03C27/10 classification (31) Priority Document No :10 2011 085 034.1 (32) Priority Date :21/10/2011 (33) Name of priority

(33) Name of priority country :Germany

(86) International PCT/EP2012/070778
Application No

Filing Date :19/10/2012

(87) International Publication No :WO 2013/057264

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

(71)Name of Applicant:

1)TESA SE

Address of Applicant :Quickbornstrae 24 20253 Hamburg

Germany

(72)Name of Inventor : 1)DOLLASE Thilo

2)KRAWINKEL Thorsten

3)BAI Minyoung

# (57) Abstract:

The invention relates to an adhesive substance in particular for encapsulating an electronic assembly against permeates said substance comprising: (a) at least one copolymer containing at least isobutene or butene as comonomer types and at least one comonomer type which when regarded as a hypothetical homopolymer has a softening temperature greater than 40°C; (b) at least one type of an at least partially hydrogenated adhesive resin; (c) at least one acrylate or methacrylate based type of reactive resin with a softening temperature less than 40 °C preferably less than 20°C; and (d) at least one type of photoinitiator for initiating radical curing.

No. of Pages: 41 No. of Claims: 23

(21) Application No.4050/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DEVICE AND METHOD FOR ANCHORING A WIND TURBINE

(51) International classification :F03D11/04,E02D27/42 (71)Name of Applicant : (31) Priority Document No :10 2011 087 022.9 1)WOBBEN PROPERTIES GMBH (32) Priority Date Address of Applicant :Dreekamp 5 26605 Aurich Germany :24/11/2011 (33) Name of priority country (72)Name of Inventor: :Germany (86) International Application No 1)SCHACKNIES Meik :PCT/EP2012/072922 2)GORALSKI Claus Filing Date :16/11/2012 :WO 2013/076021 (87) International Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to an anchoring section for anchoring a tower of a wind turbine in a foundation comprising a support section for fastening a tower segment for supporting the tower and a foundation section for embedding in a concrete mass of the foundation. According to the invention the foundation section has at least one web section having through openings for passing through reinforcing bars.

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

(21) Application No.4160/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: PYRIDONE AMIDES AND ANALOGS EXHIBITING ANTI CANCER AND ANTI PROLIFERATIVE **ACTIVITIES**

:A61K31/444,C07D401/02 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/562602 (32) Priority Date :22/11/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/066237 Filing Date :21/11/2012

(87) International Publication No :WO 2013/078295

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

1)DECIPHERA PHARMACEUTICALS LLC

Address of Applicant :4950 Research Park Way Lawrence

Kansas 66047 U.S.A. (72)Name of Inventor: 1)FLYNN Daniel L.

2)KAUFMAN Michael D.

#### (57) Abstract:

Compounds useful in the treatment of mammalian cancers and especially human cancers according to Formula I are disclosed. Pharmaceutical compositions and methods of treatment employing the compounds disclosed herein are also disclosed.

No. of Pages: 102 No. of Claims: 28

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: AGENTS METHODS AND DEVICES FOR AFFECTING NERVE FUNCTION

(51) International (71)Name of Applicant: :A61K31/401,A61K31/405,A61K31/704 classification 1)STEIN Emily A. (31) Priority Document Address of Applicant :6254 Grand Oak Way San Jose :61/551921 California 95135 U.S.A. 2)SWANSON Christina D. (32) Priority Date :26/10/2011 (33) Name of priority 3)EVANS Michael A. :U.S.A. country 4) VENKATESWARA RAO Kondapavulur T. (86) International (72)Name of Inventor: :PCT/US2012/062006 Application No 1)STEIN Emily A. :25/10/2012 2)SWANSON Christina D. Filing Date 3)EVANS Michael A. (87) International :WO 2013/063331 Publication No 4) VENKATESWARA RAO Kondapavulur T. (61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

# (57) Abstract:

Agents methods and devices for affecting nerve function are described. One embodiment of an agent includes a cardiac glycoside an ACE inhibitor and an NSAID. The agent may be delivered locally in a site specific manner to a targeted nerve or portion of a nerve. For example the agent may be delivered locally to the renal nerves to impair their function and treat hypertension. One embodiment of a delivery device includes one or more needle housings supported by a balloon. A delivery needle is slidably disposed within a needle lumen of each needle housing.

No. of Pages: 77 No. of Claims: 59

(21) Application No.4162/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FRICTION DRIVE BELT AND MANUFACTURING 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></ul>	:F16G1/08,B29D29/00,F16G1/00 :2011-236917 :28/10/2011 :Japan	(71)Name of Applicant:  1)BANDO CHEMICAL INDUSTRIES LTD.  Address of Applicant: 6 6 Minatojima Minamimachi 4 chome Chuo ku Kobe shi Hyogo 6500047 Japan
(86) International Application No Filing Date (87) International Publication	:PCT/JP2012/006194 :27/09/2012 :WO 2013/061512	(72)Name of Inventor: 1)YOSHIDA Keisuke 2)KIM Sungjin
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

In order to make it possible for a friction drive belt to obtain an effect of suppressing slip noise caused between the friction drive belt and a pulley over a long period against exposure to water and abrasion a V ribbed belt (B) as a friction drive belt transmits power by a belt body (10) formed from a rubber composition being looped over a pulley. A cloth layer (16) is integrally provided on the pulley contact side surface of the belt body (10) so as to cover the surface of a V rib (15) that is the pulley contact side surface and powder (17) is fixedly integrated while having got into fibers of the cloth layer (16).

No. of Pages: 39 No. of Claims: 8

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: COMMUNICATION RELAY DEVICE METHOD FOR OPERATIONAL SWITCHING AND COMMUNICATION RELAY CONTROL CIRCUIT BOARD

:H04L29/14,H04L12/50 (71)Name of Applicant : (51) International classification (31) Priority Document No :2011-237985 (32) Priority Date :28/10/2011 (33) Name of priority country :Japan (86) International Application No :PCT/JP2012/004960 Filing Date :03/08/2012 (87) International Publication No :WO 2013/061496

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

1)NEC Corporation

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72)Name of Inventor:

1)AOKI Yuu

2)YAMAUCHI Toshiro

#### (57) Abstract:

A first transmission control circuit indicates to an IF unit whether a first transmission channel is usable when damage is detected in a first circuit board when the operation status of the first circuit board is operational and notifies a second transmission control circuit and a first communication status controller that damage was detected. The second transmission control circuit indicates to the IF unit whether a second transmission channel is usable in response to the notification from the first transmission control circuit. The first communication status controller determines whether to switch the operation status of the first circuit board to waiting in response to the notification from the first transmission control circuit and if the operation status of the first circuit board is determined to be switched to waiting handover of the communication status of the communication data to the second communication status controller via the first transmission channel is started by a communication relay device. The speed of switching control in the communication relay device for executing the communication relay of a time division multiplexing system and an all packet network is thereby maintained and correct handover of communication status is achieved.

No. of Pages: 55 No. of Claims: 14

(21) Application No.4165/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FEEDBACK CONTROL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:G05B11/42 :NA :NA :NA :PCT/JP2011/076930 :22/11/2011 :WO 2013/076816 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)AOYAGI Shinsuke
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention addresses the problem of improving the convergence of the I term after the restriction on the PI term by guards has been lifted while also preventing divergence of the I term in a state in which the PI term is restricted by guards in a feedback control system for calculating the P term and the I term on the basis of the deviation between the measured value and the target value of the control amount and calculating on the basis of the PI term which is the sum of the P term and the I term the corrective amount with respect to the operation amount to be controlled. To achieve this this feedback control system computationally obtains a value obtained by subtracting the difference between the values of the PI term before and after the restriction by the guards from the value of the I term as the amended previous value. Then an update amount calculated from the deviation between the measured value and the target value of the control amount is added to the amended previous value of the I term whereby the value of the I term is updated.

No. of Pages: 24 No. of Claims: 8

(21) Application No.4166/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR BIOLOGICALLY COMBATING PSEUDOMONAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:1162098 :20/12/2011 :France :PCT/EP2012/076451 :20/12/2012 :WO 2013/092897 :NA :NA	(71)Name of Applicant: 1)AMOEBA Address of Applicant:60 Avenue Rockefeller Ppini re Laennec F 69008 Lyon France (72)Name of Inventor: 1)PLASSON Fabrice 2)BODENNEC Slna
Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a process for combating the prolifration of Pseudomonas, with the exception of the methods of treatment applied to the human or animal body, characterized in that it uses protozoa of the species Willaertia magna.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

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

(51) International classification	:G06Q50/06,G06Q20/06	(71)Name of Applicant:
(31) Priority Document No	:61/562323	1)M KOPA IPR LLC
(32) Priority Date	:21/11/2011	Address of Applicant :c/o The Corporation Trust Company
(33) Name of priority country	:U.S.A.	1209 Orange Street Wilmington DE 19801 U.S.A.
(86) International Application No	:PCT/US2012/066136	(72)Name of Inventor:
Filing Date	:20/11/2012	1)MOORE Jesse Keith Barton
(87) International Publication No	:WO 2013/078241	2)HUGHES Nicholas
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An apparatus comprising equipment provides a principal functionality other than two way communication. A computing device in the apparatus controls the equipment. The apparatus operates in a plurality of modes including an operational mode and a paid off mode. When the apparatus is in the operational mode the computing device communicates with a remote computer and in response receives an instruction that is based on a state of a financial account. Based on the received instruction the computing device controls whether the equipment provides the principal functionality. When the apparatus is in the paid off mode the equipment provides the principal functionality without being controlled by the computing device based on the state of the financial account. The apparatus transitions from the operational mode to the paid off mode based on a wireless communication from the remote computer resulting from an amount owed in the financial account being paid off.

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

(21) Application No.4062/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: NON FERRITE STRUCTURES FOR INDUCTIVE POWER TRANSFER

(51) International classification :H01F38/14,H02J7/02,H02J17/00 (71)Name of Applicant:

(31) Priority Document No :596080 (32) Priority Date :28/10/2011 (33) Name of priority country :New Zealand

(86) International Application :PCT/NZ2012/000198 No

:29/10/2012 Filing Date

(87) International Publication :WO 2013/062427

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)AUCKLAND UNISERVICES LIMITED

Address of Applicant: Level 10 70 Symonds Street Auckland

1010 New Zealand (72)Name of Inventor:

1)BOYS John Talbot

#### (57) Abstract:

An inductive power transfer apparatus suitable for producing a magnetic field for inductive power transfer is disclosed. The apparatus has three or more coils arranged such that when energised with a power source magnetic fields produced by each coil augment each other on a first surface and substantially weaken each other on a second surface. The first and second surfaces have an obverse relationship to each other. Also disclosed is a roadway inductive power transfer module suitable for producing a magnetic field for inductive power transfer to a vehicle using the roadway and an Inductive power transfer apparatus suitable for receiving a magnetic field for inductive power transfer.

No. of Pages: 44 No. of Claims: 35

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

:NA

:NA

#### (54) Title of the invention: BONE BROACH AND METHOD OF MANUFACTURING A BONE BROACH

(51) International classification :A61B17/16,A61B17/00 (71)Name of Applicant : (31) Priority Document No 1) DEPUY INTERNATIONAL LIMITED :1120642.2 (32) Priority Date Address of Applicant :St Anthonys Road Beeston Leeds West :01/12/2011 (33) Name of priority country Yorkshire LS11 8DT U.K. :U.K. (86) International Application No (72)Name of Inventor: :PCT/GB2012/052947 1)YOUNG Duncan Filing Date :29/11/2012 :WO 2013/079944 (87) International Publication No (61) Patent of Addition to Application :NA :NA

### (57) Abstract:

Filing Date

Filing Date

A bone broach (2) is formed from a plurality of substantially planar members which are positioned adjacent to each other with each of the substantially planar members attached to at least one other substantially planar member. At least some of the substantially planar members defines at least one cutting profile (4) at its perimeter. The plurality of substantially planar members include a first group of substantially planar members (12a - 12k) defining planes which are substantially parallel to each other and at least one additional substantially planar member (18a - 18c) defining a plane which is angled relative to the planes defined by the first group of substantially planar members.

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

(62) Divisional to Application Number

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS FOR DEOXYGENATING BIOMASS DERIVED PYROLYSIS OIL

(51) International classification :C10G3/00,C10L1/04,C11C3/12 (71)Name of Applicant : (31) Priority Document No :13/326059 1)UOP LLC (32) Priority Date :14/12/2011 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 No: PCT/US2012/051649 (72)Name of Inventor: 1)BRANDVOLD Timothy A. Filing Date :21/08/2012 (87) International Publication No: WO 2013/089838 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Methods for deoxygenating a biomass derived pyrolysis oil are provided. In an embodiment a method comprises the steps of diluting the biomass derived pyrolysis oil with a phenolic containing diluent to form a diluted pyoil phenolic feed. The diluted pyoil phenolic feed is contacted with a deoxygenating catalyst in the presence of hydrogen at hydroprocessing conditions effective to form a low oxygen biomass derived pyrolysis oil effluent.

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

(21) Application No.4171/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS AND APPARATUS FOR TREATING A HYDROCARBON STREAM

(51) International classification	n:C07C15/00,C07C7/12,B01D15/08	(71)Name of Applicant:
(31) Priority Document No	:61/653557	1)UOP LLC
(32) Priority Date	:31/05/2012	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application	:PCT/US2013/042411	(72)Name of Inventor:
No	:23/05/2013	1)LIANG Wugeng
Filing Date	.23/03/2013	2)RILEY Mark G.
(87) International Publication	:WO 2013/181062	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed is a method and apparatus for treating two or more aromatic feed streams including combining one aromatic feed stream with another aromatic feed stream. The method further includes passing the combined feed stream to a unsaturated aliphatic compound removal zone for removing an unsaturated aliphatic compound therefrom. The method further includes passing the combined aromatic feed stream to a nitrogen removal zone for removing a nitrogen compound therefrom.

No. of Pages: 36 No. of Claims: 10

(21) Application No.4172/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: MULTIPLE BURN ZONES WITH INDEPENDENT CIRCULATION LOOPS

(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	:B01J23/96,B01J38/14,B01J38/20 :13/327156 :15/12/2011 :U.S.A. :PCT/US2012/054979 :13/09/2012 :WO 2013/089848 :NA :NA	(71)Name of Applicant:  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)DZIABIS Gary A.  2)RESSL Charles T.  3)KOZUP Steven C.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A process for a continuous regeneration of a catalyst wherein the regeneration section includes at least two separate zones. The regeneration includes a combustion zone and an oxygen boost zone where the process utilizes at least two independent regeneration gas loops for control of the amount of oxygen to regenerate the catalyst.

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

(21) Application No.4174/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention : SYSTEM AND PROCESS FOR RECOVERING PRODUCTS USING SIMULATED MOVING BED ADSORPTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B01D15/18 :61/570936 :15/12/2011 :U.S.A. :PCT/US2012/062524 :30/10/2012 :WO 2013/089923 :NA :NA :NA	(71)Name of Applicant: 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)HARRIS James W. 2)CORRADI Jason T. 3)PETTENGILL Lewis H.
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#### (57) Abstract:

A process according to various approach includes flushing an intermediate transfer line between the first intermediate transfer line and the extract stream transfer line away from the adsorptive separation chamber to remove residual fluid from intermediate transfer line. The process may include directing the residual fluid flushed from the intermediate transfer line to a recycle stream to introduce the residual fluid into the adsorptive separation chamber.

No. of Pages: 54 No. of Claims: 10

(21) Application No.4180/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: APPLICATION OF ALBIZZIA CHINENSIS EXTRACT IN PREPARATION OF MEDICINE FOR TREATMENT OF GASTRIC ULCER

(51) International :A61K36/48,A61P1/04,A61K129/00

classification

(31) Priority Document No :201110326361.1 (32) Priority Date :24/10/2011

(33) Name of priority country: China

(86) International :PCT/CN2012/083458

Application No :24/10/2012 Filing Date

(87) International Publication :WO 2013/060275

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

Filing Date

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

:NA :NA

:NA

(71)Name of Applicant:

1)INSTITUTE OF MATERIA MEDICA CHINESE

ACADEMY OF MEDICAL SCIENCES

Address of Applicant :No.1 Xian Nong Tan Street Xuanwu

District Beijing 100050 China

(72)Name of Inventor:

1)YU Shishan

2)ZHANG Jianiun

3)MA Shuanggang

4)XU Ruiming

5)JI Chengxue

#### (57) Abstract:

An albizzia chinensis extract and a preparation method thereof. The albizzia chinensis extract is used in the preparation of a proton pump inhibitor and a drug for treatment of acid related diseases such as gastric ulcer and chronic gastritis.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: STEAM STRIPPING DEVICE AND STEAM STRIPPING FINISHING METHOD USING SAME

:C08C2/06,B01D3/00,B01F7/16 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2011-259135 (32) Priority Date :28/11/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/080615

Filing Date :27/11/2012 (87) International Publication No: WO 2013/080969

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

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

1) ASAHI KASEI CHEMICALS CORPORATION

Address of Applicant: 1 105 Kanda Jinbocho Chivoda ku

Tokyo 1018101 Japan (72)Name of Inventor: 1)NAKAHARA Tatsuto 2)NAKANO Hiroshi

#### (57) Abstract:

A steam stripping device that is capable of operating for long periods of time and can prevent crumb from getting stuck to the inside walls of a crumbing tank piping from getting blocked by reaggregated large diameter crumb a screen from getting clogged by small diameter crumb and an extruder from slipping. The aforementioned crumbing tank is provided with the following: an agitation shaft; an agitation blade that has a knife blade; and a baffle plate on an inside wall. The cross section of the baffle plate in the transverse direction of the cylindrical crumbing tank has an upstream side surface and a downstream side surface with respect to the flow of a fluid and said side surfaces coincide to form a vertex of a substantially triangular cross section. In the cross section of the baffle plate in the transverse direction of the cylindrical crumbing tank the line segment representing the upstream side surface forms an angle of 30 75° with a line segment connecting the center of the agitation shaft to the above mentioned vertex as does the line segment representing the downstream side surface.

No. of Pages: 70 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :23/05/2014

(21) Application No.4182/DELNP/2014 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: WINDSCREEN 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> </ul>	:B60S1/34 :NA :NA :NA :PCT/EP2011/072772 :14/12/2011 :WO 2013/087102 :NA	(71)Name of Applicant:  1)FEDERAL MOGUL S.A. Address of Applicant: Avenue Champion B 6790 Aubange Belgium (72)Name of Inventor: 1)BOLAND Xavier
` '		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A windscreen wiper arm (1) particularly for automobiles comprising a mounting head (2) mountable on a drive shaft (3) and an arm member (4) pivotally connected to the mounting head (2) by means of a pivot pin (5) wherein the arm member (4) has a substantially U shaped cross section near said pivot pin (5) comprising two side walls (6 7) wherein a part of the mounting head (2) extends between the side walls and beyond said pivot pin (5) and wherein said part is provided with opposite surfaces (8 9) each facing towards a respective side wall of the arm member (4) with the special feature that each surface of said part of said mounting head (2) is positioned spaced apart from its respective side wall of said arm member (4) so as to allow paint to enter a space defined between each surface of said part of said mounting head (2) and its respective side wall of said arm member (4).

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

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: INSTANT MESSAGING SERVICE AND METHOD FOR PROVIDING PLURALITY OF SERVICES EXTENDED FROM INSTANT MESSAGING SERVICE

(21) Application No.4183/DELNP/2014 A

:H04W4/12,G06Q50/30 (71)**Name of Applicant :** (51) International classification (31) Priority Document No :1020110115749 1)KAKAO CORP. (32) Priority Date :08/11/2011 Address of Applicant :6F Elentec dong Pangyo Venture Valley 2 cha 17 Pangyo ro 228beon gil Bundang gu Seongnam si (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2012/008110 Gyeonggi do 463 400 Republic of Korea Filing Date (72)Name of Inventor: :08/10/2012 1)VAN Seung Hwan (87) International Publication No :WO 2013/069893 (61) Patent of Addition to Application 2)CHUNG Doo Shik :NA Number 3)SHIN Soo Wan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

(19) INDIA

An instant messaging service and a method for providing a plurality of services extended from an instant messaging service according to one embodiment includes the steps of: displaying a chat window for a chat room related to an instant messaging service; receiving a touch event of a user for the chatting window; selecting one service among a plurality of services in response to the touch event; and displaying a screen related to the selected service.

No. of Pages: 52 No. of Claims: 23

(21) Application No.4184/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention : AN AIRCRAFT STRUCTURE WITH STRUCTURAL NON FIBER REINFORCING BONDING RESIN LAYER

(51) International classification: B64C3/20,B29C65/02,B29C65/48 (71)Name of Applicant: (31) Priority Document No 1)SAAB AB (32) Priority Date Address of Applicant: S 581 88 Linkping Sweden :NA (33) Name of priority country (72)Name of Inventor: :NA (86) International Application 1)GRANK,,LL Tommy :PCT/SE2011/051501 2)HALLANDER Per :12/12/2011 Filing Date 3)PETERSSON Mikael (87) International Publication 4)WEIDMANN Bjrn :WO 2013/089598 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

(57) Abstract:

Filing Date

The present invention regards an aircraft structure comprising an aerodynamic composite shell (7) the interior face (9) of which in whole or in part is bonded with at least one two or three dimensional structural composite part (11) by means of a bonding material (15). It also regards a method of manufacture of the aircraft structure. The bonding material (15) comprises a non structural fiber reinforced resin system wherein at least one portion of the bonding material which portion spatially corresponds with an interior face filling volume (21) is thicker than other portions of the bonding material (15) due to settlement of resin of the non structural fiber reinforced resin system in said interior face filling volume (21) during the viscous phase of the curing of the non structural fiber reinforced resin system.

No. of Pages: 28 No. of Claims: 14

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: AN APPARATUS HAVING A TOUCH SCREEN 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 Filing Date</li> </ul>	:G06F17/30 :NA :NA :NA :PCT/EP2012/051448 :30/01/2012 :WO 2013/113360 :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)S-DERBERG Joakim
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus 100 having a touch screen display 110 is disclosed. The apparatus 100 comprises a touch screen display 110 configured to display a content object. The apparatus 100 also comprises a processor 120 as well as a memory 130 storing a computer program comprising computer program code. When the computer program code is run in the processor this causes the apparatus 100 to detect a non trigger touch interaction with the touch screen display 110 and to identify the non trigger touch interaction as comprising a hovering interaction over a content object displayed on the touch screen display 110. In response to the identification of the non trigger touch interaction comprising a hovering interaction an Uniform Resource Locator URL address associated with the displayed content object is displayed on the touch screen display 110. Corresponding methods computer programs and computer program products are also disclosed herein.

No. of Pages: 29 No. of Claims: 14

(21) Application No.4078/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: GRINDING PROCESS AND UNIT AND CORRESPONDING PRODUCTION PROCESS OF A HYDRAULIC BINDER

(51) International :B02C15/00,B02C17/00,B02C21/00

classification

(31) Priority Document No :11306684.9 (32) Priority Date :16/12/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/074029 No

:30/11/2012 Filing Date

(87) International Publication: WO 2013/087421

(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)LAFARGE

Address of Applicant :61 rue des Belles Feuilles F 75116 Paris

(72)Name of Inventor:

1)DUMONT Didier

#### (57) Abstract:

The present invention relates to a grinding process in a grinding unit comprising: a first shop comprising a first mill (11) and a first separator (12) an outlet from the first mill (11) being connected to an inlet of the first separator (12); a second shop comprising a second separator (22) and a second mill (21) an outlet from the second separator (22) being connected to an inlet of the second mill (21); the second separator (22) being fed by the material coming from the first separator (12) characterised in that: the first separator (12) is operated at a tangential speed of 15 to 25 m/s and a radial speed of 3.5 to 5 m/s; and the second separator (22) is operated at a tangential speed of 20 to 50 m/s and a radial speed of 2.5 to 4 m/s.

No. of Pages: 25 No. of Claims: 16

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: VIRTUAL NETWORK INTERFACE OBJECTS

(51) International classification	:G06F15/16	(71)Name of Applicant :
(31) Priority Document No	:61/561675	1)AMAZON TECHNOLOGIES INC.
(32) Priority Date	:18/11/2011	Address of Applicant :P.O. Box 8102 Reno Nevada 89507
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/065429	(72)Name of Inventor:
Filing Date	:16/11/2012	1)SCHULTZE Eric W.
(87) International Publication No	:WO 2013/074873	2)THOMPSON Aaron C.
(61) Patent of Addition to Application	:NA	3)GANGULY Arijit
Number	:NA	4)IYER Padmini C.
Filing Date	.11/1	5)HOLGERS Tobias L.
(62) Divisional to Application Number	:NA	6)LEFELHOCZ Christopher J.
Filing Date	:NA	7)SEARLE Ian R.

#### (57) Abstract:

Methods and apparatus for interfaces to manage virtual network interface objects. A system may include resource instances and a network interface virtualization coordinator. Responsive to a record creation request the coordinator creates an interface records that may include an IP address subnet information and security properties. The coordinator may in response to a request to attach the record to a resource instance enable traffic directed to the IP address to flow to the resource instance. In response to a subsequent detach request the traffic to the IP address may be disabled at the resource instance. The same interface record may be attached to another resource instance in response to another attach request enabling traffic directed to the IP address to flow to the second resource instance.

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

(22) Date of filing of Application :23/05/2014

(43) Publication Date: 20/02/2015

### (54) Title of the invention : MOULDING ELEMENT COMPRISING CUTTING MEANS FOR MOULDING AND VULCANIZING A TYRE TREAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29D30/06 :1162258 :22/12/2011 :France :PCT/EP2012/076362 :20/12/2012 :WO 2013/092846 :NA :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 Cours Sablon F 63000 Clermont Ferrand France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor: 1)PERRIN Frdric 2)KANEKO Shuichi
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#### (57) Abstract:

The invention relates to a moulding lment (1) of a mould for moulding and vulcanizing a tyre tread. This moulding lment (1) comprises a moulding surface (3) intended to mould part of the tread surface of the tyre, and a complex blade (6, 8) pro - jecting from the moulding surface (6), this complex blade comprising a body (6) directed mainly in a circumferential direction X and at least one secondary branch (8) of U-shape facing toward this body, the secondary branch (8) being oriented mainly in an oblique direction J, this oblique direction J making a non-zero angle y with a transverse direction Y perpendicular to the circumferential di - rection X, the secondary branch (8) being in contact with the main body at two contact zones (10, 12) to delimit a cavity (7) of length L, characterized in that the moulding lment comprises a main cutting means (9) projecting from the moulding surface (3), this main cutting means extending between two of its ends (14, 16) parallel to the oblique direction J, the length of this cutting means being shorter than the length L of the cavity, and in that the moulding lment (1) comprises at least two secondary cutting means (13) of height HS extending from one of the ends (14) of the main cutting means (9) as far as a respective one of the contact zones (10, 12) facing this end, each secondary cutting means (13) making an angle Qwith this body (6).

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

(21) Application No.4086/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention : TRANSMITTER TRANSMISSION METHOD AND NON TEMPORARY COMPUTER READABLE MEDIUM IN WHICH PROGRAM IS STORED

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	1:H04L7/00,G04G5/00,H04W56/00 :2011245306 :09/11/2011 :Japan	(71)Name of Applicant:  1)NEC Corporation  Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan
(86) International Application No Filing Date	:PCT/JP2012/004889 :01/08/2012	(72)Name of Inventor : 1)NAKAJIMA Hiroaki
(87) International Publication No	:WO 2013/069176	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A transmitter (90) is connected to a master device and wirelessly transmits timing packets sent from the master device to a receiver. The transmitter (90) comprises: an input means (91) that receives the input of a timing packet from the master device; a delay compensation means (93) that acquires the packet length of the timing packet and a modulation scheme to be used for wireless transmission calculates a device specific delay value and a first propagation delay value on the basis of the modulation scheme and packet length and calculates a delay compensation value on the basis of the device specific delay value and the first propagation delay value; a filter means (94) that adds the delay compensation value to a specific field of the timing packet; and an output means (95) that outputs the timing packet to the receiver.

No. of Pages: 33 No. of Claims: 9

(21) Application No.4087/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: LYOPHILIZED LIPOSOMES

(51) International classification	:A61K9/127,A61K9/19	(71)Name of Applicant:
(31) Priority Document No	:61/550047	1)CELATOR PHARMACEUTICALS INC.
(32) Priority Date	:21/10/2011	Address of Applicant :303B College Road East Princeton NJ
(33) Name of priority country	:U.S.A.	08540 U.S.A.
(86) International Application No	:PCT/US2012/060293	(72)Name of Inventor:
Filing Date	:15/10/2012	1)CABRAL LILLY Donna
(87) International Publication No	:WO 2013/059133	2)MAYER Lawrence
(61) Patent of Addition to Application	:NA	3)TARDI Paul
Number	:NA	4)WATKINS David
Filing Date	.11/1	5)ZENG Yi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Lyophilized liposomal formulations with two or more encapsulated drugs are disclosed. These formulations display superior drug retention profiles and also maintain size distribution following lyophilization and reconstitution.

No. of Pages: 34 No. of Claims: 28

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: MICROBIAL INOCULANTS AND FERTILIZER COMPOSITIONS COMPRISING THE SAME

(51) International classification	:C05F11/08,C09K17/00,C09K101/00	(71)Name of Applicant: 1)INTERNATIONAL MARKETING PARTNERSHIPS
(31) Priority Document No	:61/555535	PTY LTD
(32) Priority Date	:04/11/2011	Address of Applicant : Chartwell House 151 Wellington
(33) Name of priority country	:U.S.A.	Parade Sth East Melbourne Victoria 3002 Australia (72)Name of Inventor:
(86) International Application No Filing Date	:PCT/AU2012/001355 :05/11/2012	1)FINLAYSON Wayne 2)JURY Karen
(87) International Publication No	:WO 2013/063658	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided herein are microbial inoculants for use in increasing plant growth, plant productivity and/or soil quality, comprising strains of one or more bacterial species selected from Lactobacillus parafarraginis, Lactobacillus buchneri, Lactobacil lus rapi and Lactobacillus zeae. Optionally the microbial inoculants also comprise a strain of Acetobacter fabarum and/or a strain of Candida ethanolica. Also provided are fertilizer compositions comprising said microbial inoculants.

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: MOUNTING RAIL FOR THE INTERIOR CONSTRUCTION OF A SWITCH CABINET 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</li> </ul>	:20/10/2012 :WO 2013/075684 :NA :NA	(71)Name of Applicant:  1)RITTAL GMBH & CO. KG  Address of Applicant: Auf dem St1/4tzelberg 35745 Herborn Germany (72)Name of Inventor:  1)BENNER Rolf
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a mounting rail for the interior construction of a switch cabinet housing, said mounting rail comprising a mounting section that has a clamping section at its first end and a support section at its second end opposite the first end, characterized in that the clamping section has a knee lever with a fastening side, via which the knee lever is detachably screwed to the first end of the mounting section and with a clamping side that includes an angle with the fastening side.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: SEALANT APPLICATOR NOZZLE WITH BELL OR HOOD TIP AND INJECTION BUTTON

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B05C17/005 :11380089.0 :31/10/2011 :EPO :PCT/ES2012/000275 :31/10/2012 :WO 2013/064708 :NA :NA	(71)Name of Applicant:  1)JURADO BLAZQUEZ Miguel Address of Applicant: Cleopatra 6 Portal 1 Atico 28018 Madrid Spain (72)Name of Inventor: 1)JURADO BLAZQUEZ Miguel
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Sealant applicator nozzle with bell or hood tip and injection button constituted by a body (2) with a threaded rear end (3) with a stop ring (4) a tapered central portion (5) and a bell shaped front end (6) wherein said bell shaped front part (6) has an injection button (8) coupled thereto covering the opening the outer surface of which has radial channels (10) that open into perimeter through holes (11) to a central circular protuberance (12) that may be hollow and have lateral grooves (13). In the opening of the bell shaped front part (6) there is an annular projection (7) to which is coupled a perimeter insert (9) of the injection button (8).

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention : TUBULAR COMPONENT FOR BORING AND EXPLOITING HYDROCARBONS WELLS AND RESULTANT THREADED JOINT

(51) International classification :E21B17/042,F16L15/00 (71)Name of Applicant : (31) Priority Document No 1)VALLOUREC OIL AND GAS FRANCE :11/03930 (32) Priority Date Address of Applicant :54 rue Anatole France F 59620 Aulnove :19/12/2011 (33) Name of priority country Avmeries France :France (86) International Application No :PCT/FR2012/000520 (72)Name of Inventor: Filing Date :14/12/2012 1)GRANGER Scott (87) International Publication No :WO 2013/093233 2)CARON Olivier (61) Patent of Addition to Application 3)VERGER Eric :NA 4)ROUSSIE Gabriel Number :NA Filing Date 5)FRANCHI Jonathan (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The subject of the invention is an assembly for creating a threaded joint (1) for boring or exploiting hydrocarbons wells said joint comprising a first tubular component and a second tubular component with an axis of revolution (10) each one being provided respectively with a male end (2) and a female end (3) at least one of the male (2) or female (3) ends terminating in an end surface comprising a first abutment surface (60) able to come into tight contact when the joint is screwed together with a second abutment surface (70) itself formed on a shoulder produced on the other end of the first (60) and second (70) abutment surfaces at least one having a groove (7) cut into it in order thus to delimit an external abutment zone (9) and an internal abutment zone (12) characterized in that when screwed together the external (9) and internal (12) abutment zones are not coplanar and such that the contact pressure Pint(a) of the internal abutment zone (12) applied in the vicinity (12a) of the groove (7) is greater than or equal to the minimum contact pressure value Psup(min) exerted in the external abutment zone (9).

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: DEVICE FOR MEASURING AN INTERNAL OR EXTERNAL PROFILE OF A TUBULAR **COMPONENT**

(51) International classification :G01B5/08,G01B5/12,G01B7/12 (71) Name of Applicant:

(31) Priority Document No :11/04149

(32) Priority Date :29/12/2011 (33) Name of priority country :France

(86) International Application No:PCT/FR2012/000551

Filing Date :26/12/2012 (87) International Publication No: WO 2013/098493 (61) Patent of Addition to :NA

Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)VALLOUREC OIL AND GAS FRANCE

Address of Applicant :54 rue Anatole France F 59620 Aulnoye

Avmeries France

2)NIPPON STEEL & SUMITOMO METAL

CORPORATION (72)Name of Inventor: 1)MOREAU Rgis 2)MARTIN Pierre

#### (57) Abstract:

This device (20) comprises a first sensor (22) of a radial measurement of the tubular component (12) and a support (24) able to drive the first sensor (22) along a circular trajectory in a predefined plane orthogonal to the principal axis of the component (12). In particular the support (24) comprises a main body (26) able to be fixed by freeable fixing means (28) to the component and a rotation shaft (30) onto which is fixed an arm (32) bearing the first sensor (22) so as to allow the displacement of the first sensor (22) along a circular trajectory inside or around the component (12). Furthermore the device (20) comprises a second sensor (34) for measuring an angular position of the first sensor (22) for each of its radial measurements the radial and angular measurements obtained making it possible to determine the profile of the component (12) in the predefined plane (P).

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention : METHOD AND ARRANGEMENT FOR MONITORING A BRAKE SYSTEM OF A BRAKE ARRANGEMENT OF A RAIL VEHICLE

(51) International classification :B60T17/22,B60T8/17 (71)Name of Applicant : (31) Priority Document No 1)SIEMENS AKTIENGESELLSCHAFT :10 2011 089 653.8 (32) Priority Date Address of Applicant: Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen :22/12/2011 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2012/071329 (72)Name of Inventor: Filing Date :29/10/2012 1)BREUER Werner (87) International Publication No :WO 2013/091957 2)L-WENSTEIN Lars (61) Patent of Addition to Application 3)RAMBETIUS Alexander :NA Number 4)RULKA Wolfgang :NA Filing Date 5)STTZLE Thorsten (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Method and arrangement for monitoring a brake system of a brake arrangement of a rail vehicle. The invention relates to a method for monitoring a brake system of a brake arrangement with a plurality of brake systems of a rail vehicle. In order to be able to carry out such a method comparatively cost effectively and gently for the wheel and rail according to the invention the deceleration of the rail vehicle is detected with a deceleration measured variable (Ad act) being obtained and the frictional connection between the wheel and rail is detected with a frictional connection measured variable (Ad des) being obtained. In the event of a small deceleration measured variable (Ad act) and a normal frictional connection measured variable (Ad des) an error message signal (BF) is generated. In a brake system with at least one brake actuator the deceleration of the rail vehicle is detected with a deceleration measured variable (Ad act) being obtained and the brake force (f) of the at least one brake actuator is measured; in the case of a small deceleration measured variable (Ad act) and a low brake force (f) an error message signal (BF) is generated.

No. of Pages: 37 No. of Claims: 34

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention : METHODS AND ENERGY STORAGE DEVICES UTILIZING ELECTROLYTES HAVING SURFACE SMOOTHING ADDITIVES

(51) International :H01M4/04,H01M4/13,H01M10/052 classification

(31) Priority Document No :13/367508 (32) Priority Date :07/02/2012

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

country

(86) International PCT/US2012/051536 Application No

Filing Date :20/08/2012

(87) International Publication No :WO 2013/119273

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)BATTELLE MEMORIAL INSTITUTE

Address of Applicant :Intellectual Property Legal Services P.O. Box 999 M/S K1 53 Richland Washington 99352 U.S.A.

(72)Name of Inventor:

1)XU Wu

2)ZHANG Jiguang 3)GRAFF Gordon 4)CHEN Xilin

5)DING Fei

#### (57) Abstract:

Electrodeposition and energy storage devices utilizing an electrolyte having a surface smoothing additive can result in self healing instead of self amplification of initial protuberant tips that give rise to roughness and/or dendrite formation on the substrate and anode surface. For electrodeposition of a first metal (M1) on a substrate or anode from one or more cations of M1 in an electrolyte solution the electrolyte solution is characterized by a surface smoothing additive containing cations of a second metal (M2) wherein cations of M2 have an effective electrochemical reduction potential in the solution lower than that of the cations of M1.

No. of Pages: 31 No. of Claims: 32

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: METHODS AND ELECTROLYTES FOR ELECTRODEPOSITION OF SMOOTH FILMS

(51) International classification	:C25D5/10,C25D3/02	(71)Name of Applicant:
(31) Priority Document No	:13/367508	1)BATTELLE MEMORIAL INSTITUTE
(32) Priority Date	:07/02/2012	Address of Applicant :Intellectual Property Legal Services
(33) Name of priority country	:U.S.A.	P.O. Box 999 M/S K1 53 Richland Washington 99352 U.S.A.
(86) International Application No	:PCT/US2012/070288	(72)Name of Inventor:
Filing Date	:18/12/2012	1)ZHANG Jiguang
(87) International Publication No	:WO 2013/119322	2)XU Wu
(61) Patent of Addition to Application	:NA	3)GRAFF Gordon L.
Number	:NA	4)CHEN Xilin
Filing Date	.1171	5)SHAO Yuyan
(62) Divisional to Application Number	:NA	6)DING Fei
Filing Date	:NA	

#### (57) Abstract:

Electrodeposition involving an electrolyte having a surface smoothing additive can result in self healing instead of self amplification of initial protuberant tips that give rise to roughness and/or dendrite formation on the substrate and/or film surface. For electrodeposition of a first conductive material (C1) on a substrate from one or more reactants in an electrolyte solution the electrolyte solution is characterized by a surface smoothing additive containing cations of a second conductive material (C2) wherein cations of C2 have an effective electrochemical reduction potential in the solution lower than that of the reactants.

No. of Pages: 31 No. of Claims: 38

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING 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>	:B60C9/20 :1161363 :09/12/2011 :France :PCT/EP2012/071823 :05/11/2012 :WO 2013/083339 :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 Cours Sablon F 63000 Clermont ferrand France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)BESSON Jacques  2)BARBARIN Fran§ois
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#### (57) Abstract:

The invention relates to a tyre comprising a crown reinforcement (4) formed by at least two working crown layers (41, 43) of reinforcing lments and at least one layer (42) of circumferential reinforcing lments. According to the invention, the tensile modulus at 10% elongation of at least one skim coat of at least one working crown layer (41, 43) is greater than 9 MPa and the maxi mum value of tan('), denoted tan(')max, of said at least one skim coat is less than 0.100.

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

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: X RAY DISTANCE INDICATOR AND RELATED METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N23/223 :61/563737 :25/11/2011 :U.S.A. :PCT/US2012/066357 :21/11/2012 :WO 2013/078384 :NA :NA :NA	(71)Name of Applicant: 1)ARIBEX INC. Address of Applicant: 744 South 400 East Orem Utah 84097 U.S.A. (72)Name of Inventor: 1)LAWS David J. 2)ELLSWORTH Devin
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(21) Application No.4206/DELNP/2014 A

#### (57) Abstract:

Apparatus and methods for providing a distance indication using an x-ray apparatus. According to various embodiments, an x-ray apparatus may be provided comprising an x-ray generator and a visible light generator. The apparatus may further comprise a projection member, such as a reticle, comprising a material at least partially transparent to visible light, wherein the projection member comprises an image positioned within the path of the visible light so as to project a secondary image comprising a shadow defined by the image. A LASER configured to deliver a LASER beam at an angle relative to the visible light may be provided such that the LASER beam intersects at least a portion of the secondary image at a predetermined distance from the LASER to allow a user to determine precisely a distance from the apparatus to an object to be exposed to x-ray radiation.

No. of Pages: 64 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :23/05/2014

(21) Application No.4207/DELNP/2014 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: TREAD WITH ARIABLE CHAMPFERS

(51) International

:B60C11/11,B60C11/03,B60C11/13

classification

(31) Priority Document No :1161355 :08/12/2011

(32) Priority Date

(33) Name of priority country: France

(86) International Application :PCT/EP2012/073670

Filing Date

:27/11/2012

(87) International Publication: WO 2013/083429

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)COMPAGNIE GENERALE DES ETABLISSEMENTS

MICHELIN

Address of Applicant :12 Cours Sablon F 63000 Clermont

Ferrand France

2)MICHELIN RECHERCHE ET TECHNIQUE S.A.

(72)Name of Inventor: 1)BOURGEOIS Frdric

2)BRUNEAU Fransois Xavier

(57) Abstract:

Tread comprising a plurality of grooves (2) running in a circumferential overall direction and delimiting the plurality of raised elements (4) this tread also comprising a plurality of cuts (3) in the form of grooves and/or sipes running transversally each raised element (4) comprising a contact face (40) intended to come into contact with the road surface and lateral faces intersecting this contact face along edge corners intended to come into contact with a road surface during running this tread comprising chamfers (410 420) on at least a plurality of transverse edge corners of the raised elements (4) this tread when rolling in a straight line having a total contact surface area S comprising a portion Sc in which all the transverse edge corners are chamfered and a portion Snc in which all the transverse edge corners are non chamfered this tread having under cornering corresponding to a transverse acceleration equal to 0.3g (g being the acceleration due to gravity) a contact patch of total surface area S formed of a portion Se comprising chamfers on all the transverse edge corners of its raised elements and a portion Snc with no chamfers this tread being such that the ratio Snc/Sc is at most equal to 2% and such that the ratio Snc/Sc is at least equal to 0%.

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: WINDER FOR AN ENDLESS MATERIAL WEB

(51) International classification :B65H18/08,B65H23/195 (71)Name of Applicant : (31) Priority Document No :1860/11

(32) Priority Date :21/11/2011 (33) Name of priority country :Switzerland

(86) International Application No :PCT/CH2012/000259 Filing Date :20/11/2012

(87) International Publication No :WO 2013/075258 (61) Patent of Addition to Application :NA Number :NA

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

1)SWISS WINDING INVENTING AG

Address of Applicant :Sonnenhof 3 CH 8808 Pfffikon

Switzerland

2)WINDM-LLER & H-LSCHER KG

(72)Name of Inventor: 1)MARTINEZ Carlos 2)KAMMANN Rolf 3)JONES Carl

#### (57) Abstract:

The present invention relates to a method and a device for producing a roll (18) made of a material web (5) of flexible material which is guided via a contact roller (19) of a winder and is wound in the said winder to form a roll (18) wherein the contact roller (19) maintains contact with the roll (18) during winding and the wrap angle (a) of the material web (5) passing over the contact roller (19) as the former is progressively wound is maintained throughout at a variable reference value predetermined for each winding. In this way the wrap angle (a) for the winding can be adapted to the respective composition of the material web (5) which improves the quality of the winding.

No. of Pages: 31 No. of Claims: 21

(21) Application No.4108/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: PROPHYLACTIC AGENT FOR SQUAMOUS CARCINOMA SQUAMOUS CARCINOMA MODEL ANIMAL AND METHOD FOR PRODUCING SAID MODEL ANIMAL

(51) International :A23C9/12,A01K67/027,A23C9/127

classification

(31) Priority Document No :2011284133

(32) Priority Date

:26/12/2011

(33) Name of priority :Japan country

(86) International Application No

:PCT/JP2012/083643 :26/12/2012

Filing Date

(87) International Publication: WO 2013/099939

:NA

:NA

:NA

:NA

No

(61) Patent of Addition to

**Application Number** 

Filing Date

(62) Divisional to **Application Number** 

Filing Date

(71)Name of Applicant:

1)MEIJI CO. LTD.

Address of Applicant: 2 10 Shinsuna 1 chome Koto ku Tokyo

1368908 Japan

2)JOSHO GAKUEN EDUCATIONAL FOUNDATION

(72)Name of Inventor: 1)OZAKI Kiyokazu 2) UCHIDA Masavuki

3)MATSUURA Tetsuro

(57) Abstract:

Provided are: a fermented material which is effective for the prevention of squamous carcinoma that is developed by Candida infection; a model animal for squamous carcinoma that is developed by Candida infection in which the difference among individuals is smaller than those in conventional model animals and pharmacological efficacy can be evaluated more properly; and a method for producing the model animal. A prophylactic agent for squamous carcinoma that is developed by Candida infection which comprises a fermented material produced by fermenting milk with and as an active ingredient.

No. of Pages: 37 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :22/05/2014

(21) Application No.4213/DELNP/2014 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: HIGH PRESSURE PUMP

(51) International classification	:F02M59/10,F04B1/04	(71)Name of Applicant :
(31) Priority Document No	:10 2012 201 302.4	1)ROBERT BOSCH GMBH
(32) Priority Date	:31/01/2012	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2013/050629	(72)Name of Inventor:
Filing Date	:15/01/2013	1)ARMBROCK Sascha
(87) International Publication No	:WO 2013/113544	2)ZEHNDER Frank
(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 a high pressure pump (1) for conveying a fluid particularly a fuel such as diesel which comprises: a drive shaft (2) that has at least one cam (3); at least one piston (5); at least one cylinder (6) for mounting said at least one piston (5); and a roller shoe (9) that has a running roller (10) mounted therein (9) by means of a sliding bearing. The piston (5) is supported indirectly using the roller shoe (9) on the drive shaft (2) with the at least one cam (3) such that said at least one piston (5) is able to carry out a translational movement on the basis of a rotational movement of the drive shaft (2) the sliding bearing on the roller shoe (9) comprising at least one recess outside of a sliding bearing operational contact surface.

No. of Pages: 21 No. of Claims: 12

(21) Application No.4214/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention : ULTRASONIC TRANSDUCER ELEMENT CHIP AND PROBE AND ELECTRONIC DEVICE AND ULTRASOUND DIAGNOSTIC EQUIPMENT

(51) International classification :A61B8/00,H04R17/00 (71)Name of Applicant : (31) Priority Document No 1)SEIKO EPSON CORPORATION :2012-078672 (32) Priority Date :30/03/2012 Address of Applicant: 4 1 Nishi shinjuku 2 chome Shinjuku ku (33) Name of priority country Tokyo 1630811 Japan :Japan (86) International Application No :PCT/JP2013/002147 (72)Name of Inventor: Filing Date 1)NAKAMURA Tomoaki :28/03/2013 2)TSURUNO Jiro (87) International Publication No :WO 2013/145764 (61) Patent of Addition to Application 3)KIYOSE Kanechika :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

This ultrasonic transducer element chip is characterized by being provided with: a substrate having openings arranged in an array; ultrasonic transducer elements disposed at each of the openings on a first surface of the substrate; a reinforcing member that is fixed to a second surface of the substrate which is on the opposite side of the first surface of the substrate and reinforces the substrate; and ventilation channels by which the internal space of the openings and the external space of the substrate communicate with each other.

No. of Pages: 52 No. of Claims: 9

(21) Application No.4215/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: ULTRASONIC TRANSDUCER ELEMENT CHIP AND PROBE AND ELECTRONIC DEVICE AND ULTRASOUND DIAGNOSTIC EQUIPMENT

(51) International :H04R17/00,A61B8/00,H01L41/08

classification

(31) Priority Document No :2012-078673 (32) Priority Date :30/03/2012 (33) Name of priority country :Japan

(86) International Application :PCT/JP2013/002146

No :28/03/2013 Filing Date

(87) International Publication :WO 2013/145763

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

(62) Divisional to Application Number :NA

:NA

(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)NAKAMURA Tomoaki

2)TSURUNO Jiro

3)KIYOSE Kanechika

#### (57) Abstract:

Filing Date

This ultrasonic transducer element chip is characterized by being provided with: a substrate having openings arranged in an array; ultrasonic transducer elements disposed at each of the openings on a first surface of the substrate; and a reinforcing member that is fixed to a second surface of the substrate which is on the opposite side of the first surface of the substrate and reinforces the substrate. The ultrasonic transducer element chip is further characterized in that the reinforcing member has linear grooves by which the internal space of the openings and the external space of the substrate communicate with each other said linear grooves being positioned side by side in a first direction on a plane of said surface on a surface that is fixed to the second surface of the substrate at intervals that are smaller than the width of the openings in the first direction on the second surface of the substrate.

No. of Pages: 60 No. of Claims: 13

(21) Application No.4097/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

:NA

(43) Publication Date: 20/02/2015

### (54) Title of the invention : CONTINUOUSLY VARIABLE TRANSMISSION CLUTCH SYSTEM VEHICLE AND METHOD FOR CONTROLLING A TRANSMISSION

(51) International classification	:F16H9/12,F16H55/56,F16H63/06	(71)Name of Applicant:
(31) Priority Document No	:13/328630	1)THE GATES CORPORATION
(32) Priority Date	:16/12/2011	Address of Applicant : A Delaware Corporation 1551 Wewatta
(33) Name of priority country	:U.S.A.	Street Denver CO 80202 U.S.A.
(86) International Application	:PCT/US2012/067825	(72)Name of Inventor:
No	:05/12/2012	1)DEC Andrzej
Filing Date	.03/12/2012	
(87) International Publication	:WO 2013/090068	
No	. W O 2015/070000	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1VA	
(62) Divisional to Application	:NA	
Number	, INZA	

#### (57) Abstract:

Filing Date

A CVT transmission comprising a shaft (1) journalled to a housing (4); a first sheave (14) fixed to the shaft (1); a second sheave (12) moveable parallel to an axis of rotation (IA) of the shaft; the second sheave locked in rotating relation with the first sheave by a first sheave member (22) cooperatively engaged with a second sheave receiving member (12A) the second sheave receiving member disposed at a helical angle (HA) with respect to the axis of rotation; a sprocket (6) journalled to the housing; the sprocket threadably engaged (6B) with a movable member (26) a bearing (16) disposed between the movable member and the second sheave; the movable member engaged (5A) with the housing whereby movement of the movable member is parallel with the axis of rotation; an electric actuator (30) engaged with the sprocket; and the second sheave is axially movable upon a rotation of the sprocket.

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

(19) INDIA

(22) Date of filing of Application :21/05/2014

(21) Application No.4098/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: NON RECIPROCAL CIRCUIT ELEMENT COMMUNICATION APPARATUS COMPRISING CIRCUIT INCLUDING THAT NON RECIPROCAL CIRCUIT ELEMENT AND METHOD FOR MAKING NON RECIPROCAL CIRCUIT ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01P1/387 :2011-274626 :15/12/2011 :Japan :PCT/JP2012/006570 :12/10/2012 :WO 2013/088618 :NA :NA	(71)Name of Applicant:  1)NEC CORPORATION Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor: 1)ORIHASHI Naoyuki
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#### (57) Abstract:

A circulator (10) comprises: a ferrite (13) disposed on a PCB (11); a metal cover (14) covering the upper surface of the ferrite (13) and integrated therewith; a plurality of connection members (141, 142, 143) for electrically connecting the metal cover (14) to the respective ones of a plurality of signal transmission lines on the PCB (11); and a permanent magnet (15) for applying a magnetic field to the ferrite (13). In this way, there can be provided a non-reciprocal circuit element, a communication apparatus comprising a circuit including the non-reciprocal circuit element, and a method for making the non-reciprocal circuit element wherein, for example, the number of the components of the non-reciprocal circuit element is small and the non-reciprocal circuit element can be easily mounted on a circuit board.

No. of Pages: 54 No. of Claims: 10

(21) Application No.4099/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: NOVEL TRIFLUOROMETHYL OXADIAZOLE DERIVATIVES AND THEIR USE IN THE TREATMENT OF DISEASE

(51) International :C07D413/04,C07D413/14,A61K31/4245 classification

:WO 2013/080120

:U.S.A.

(31) Priority Document :61/564031

(32) Priority Date :28/11/2011 (33) Name of priority

country

(86) International

:PCT/IB2012/056739 Application No :26/11/2012

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)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor:

1)HEBACH Christina 2)KALLEN Joerg

3)NOZULAK Joachim

4)TINTELNOT BLOMLEY Marina

5)WIDLER Leo

#### (57) Abstract:

The invention relates to novel trifluoromethyl oxadiazole derivatives of formula (I) and pharmaceutically acceptable salts thereof in which all of the variables are as defined in the specification pharmaceutical compositions thereof pharmaceutical combinations thereof and their use as medicaments particularly for the treatment of neurodegeneration muscle atrophy or diabetes/metabolic syndrome via inhibition of HDAC4.

No. of Pages: 78 No. of Claims: 16

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02D19/02,F02D41/04 :NA :NA :NA :NA :PCT/JP2011/076918 :22/11/2011 :WO 2013/076811 :NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)TANIGUCHI Satoshi 2)MASUBUCHI Masahiko 3)KITANO Koji 4)ETO Hiroshi
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#### (57) Abstract:

The present invention addresses the problem of providing a configuration in which even when the property of CNG has changed in a control system for an internal combustion engine using the CNG the internal combustion engine can be appropriately operated. To solve the problem a control system for an internal combustion engine using compressed natural gas is configured such that when air fuel ratio feedback control for correcting the fuel injection quantity such that the air fuel ratio of air fuel mixture that is burnt in the internal combustion engine becomes equal to a target air fuel ratio is executed the control parameter related to the burning state of the air fuel mixture is corrected on the basis of the magnitude of a correction value in the air fuel ratio feedback control.

No. of Pages: 57 No. of Claims: 6

(21) Application No.4110/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: CABLE FIXING ELEMENT ON A SPRING MAT FOR A VEHICLE SEAT SPRING MAT AND VEHICLE SEAT

(51) International classification :A47C7/00,B60N2/70,B60N2/68 (71) Name of Applicant:

(31) Priority Document No :10 2012 009 543.0

(32) Priority Date :11/05/2012 (33) Name of priority country :Germany

(86) International Application No:PCT/EP2013/059365

Filing Date :06/05/2013

(87) International Publication No: WO 2013/167522

(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: Industriestrasse 20 30 51399 Burscheid

Germany

(72)Name of Inventor:

1)MATEJKO ANGER Sylwia

#### (57) Abstract:

The invention relates to a fixing element (30) for fixing a cable (50) to a spring mat (12) of a vehicle seat (1) comprising a retaining region (32) and at least one gripping arm (34, 36) which can be elastically preloaded such that a cable (50) located between the retaining region (32) and the at least one gripping arm (34, 36) is pressed against the retaining region (32) by the at least one gripping arm (34, 36). The invention further relates to a spring mat (12) for a vehicle seat (1) said spring mat comprising a fixing element (30) according to the invention and to a vehicle seat (1) which comprises a spring mat (12) according to the invention and/or a fixing element (30) according to the invention.

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

1) CHEMTURA CORPORATION

Address of Applicant: 199 Benson Road Middlebury CT

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: POLYESTER LUBRICANT FOR WORKING FLUIDS COMPRISING DIFLUOROMETHANE

(51) International classification :C10M171/00,C10N40/30 (71)Name of Applicant : (31) Priority Document No :61/598980

(32) Priority Date :15/02/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/026135 Filing Date :14/02/2013

:NA

(87) International Publication No :WO 2013/123186 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

(72)Name of Inventor: 1)BENANTI Travis 2) HESSELL Edward T.

06749 U.S.A.

(57) Abstract:

Filing Date

Mixtures of select neopentyl polyol esters are found to be highly miscible with the refrigerant R 32 over a wide temperature range. Working fluids are provided comprising R 32 and a lubricant containing these select neopentyl polyol esters and having a kinematic viscosity at 40°C of 32 cSt or higher. Specifically the lubricant composition of the invention comprises a mixture of alkylcarboxy esters of neopentyl polyols wherein at least 10 wt % of all neopentyl polyol esters are esters of pentaerythritol oligomers of 4 or more pentaerythritol monomer groups and wherein a majority of the alkylcarboxylate groups of the alkylcarboxy esters of neopentyl polyols are pentanoyl groups wherein at least 15% of the pentanoyl groups are branched.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: COAL DEACTIVATION TREATMENT DEVICE

(51) International classification :C10L9/06,A62C3/06,C10L9/08 (71)Name of Applicant :

(31) Priority Document No :2012-000940 (32) Priority Date :06/01/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/083230

Filing Date :21/12/2012 (87) International Publication No: WO 2013/103096

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

(62) Divisional to Application :NA Number :NA

Filing Date

#### 1)MITSUBISHI HEAVY INDUSTRIES LTD.

Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo

1088215 Japan

(72)Name of Inventor: 1)KANEKO Takeshi 2)NAKAGAWA Keiichi 3)OMOTO Setsuo 4)SATO Keiichi

5)ASAHARA Junji

#### (57) Abstract:

A coal deactivation treatment device (100) for deactivating of coal (1) by means of a treatment gas (5) that is a mixture of air (3) and nitrogen gas (4) is provided with, among other things: a treatment column (111) inside of which coal (1) flows from the top to the bottom; treatment gas feed means (121-129, 131, 133, 141-149, 151, and 153), and the like, for feeding treatment gas (5) to the inside of the treatment column (111); humidifying heaters (130 and 150) for heating and humidifying the treatment gas (5) such that the treatment gas (5) fed to the inside of the treatment column (111) can maintain a relative humidity of 35% or greater, even at 95°C; a temperature sensor (165) and a control device (160) for adjusting the temperature inside the treatment column (111) such that the inside of the treatment column (111) is maintained at a relative humidity of 35% or greater and a temperature of 95°C or lower.

No. of Pages: 35 No. of Claims: 7

(21) Application No.4225/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : NOVEL CRYSTALLINE FORM OF TICAGRELOR AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification :C07D487/04,A61K31/519,A61P7/00

(31) Priority Document No :4143/CHE/2011

(32) Priority Date :30/11/2011
(33) Name of priority

country :India

(86) International :PCT/EP2012/073951

Application No Filing Date :29/11/2012

(87) International Publication No :WO 2013/079589

(61) Patent of Addition to Application Number :NA

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

(71)Name of Applicant :

1)ACTAVIS GROUP PTC EHF

Address of Applicant : Reykjavikurvegi 76 78 IS 220

Hafnarfjordur Ice Land
(72)Name of Inventor:
1)SHARMA Krishnadatt
2)GAIKWAD Nandkumar
3)TRIVEDI Nikhil

4)PRADHAN Nitin Sharadchandra

## (57) Abstract:

The present invention refers to a new crystalline form of ticagrelor a process for the preparation thereof pharmaceutical compositions comprising said new crystalline form of ticagrelor and the use of the new crystalline form of ticagrelor as medicament

No. of Pages: 26 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :26/05/2014

(21) Application No.4227/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: NEW LIPOGENESIS INHIBITOR COMPOUNDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D213/80 :1161341 :08/12/2011 :France :PCT/EP2012/074891 :10/12/2012 :WO 2013/083825 :NA :NA :NA	(71)Name of Applicant:  1)PIERRE FABRE DERMO COSMETIQUE  Address of Applicant: 45 place Abel Gance F 92100 Boulogne Billancourt France (72)Name of Inventor:  1)REDOULES Daniel  2)DAUNES MARION Sylvie 3)POIGNY Stphane 4)GALLIANO Marie Florence
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#### (57) Abstract:

The present invention relates to Formula (I) wherein -if X = NH, each of Ri, R2, R3, R4 represents a hydrogen atom; if X = N, the core is aromatic and R2, R3 and R4 represent hydrogen atoms, and RI = H, halogen, aryl, heteroaryl alkenyl, or acetylenyl; or Ri, R2, R3, R4 are defined such that RI or R2 or R3 or R4 represents a methyl group, and the three other radicals represent a hydrogen atom.

No. of Pages: 25 No. of Claims: 9

(21) Application No.4119/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: MICROSTRUCTURED CHIP FOR SURFACE PLASMON RESONANCE ANALYSIS ANALYSIS DEVICE CONTAINING SAID MICROSTRUCTURED CHIP AND USE OF SAID DEVICE

(51) International :G01N21/55,C12Q1/68,G01N33/543 classification

(31) Priority Document No :11 59716

(32) Priority Date :26/10/2011 (33) Name of priority :France

country

(86) International

:PCT/FR2012/052451 Application No

:25/10/2012 Filing Date

(87) International Publication: WO 2013/060988 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)MERCEY Thibaut

Address of Applicant: 123 rue du Faubourg Saint Antoine F

75011 Paris France (72)Name of Inventor: 1)MERCEY Thibaut

(57) Abstract:

The present invention relates to a microstructured chip for surface plasmon resonance (SPR) analysis taking the form of a solid formed by: a base; an upper surface at least part of which is covered with a metal layer; and at least one side surface. The chip is characterised in that: the aforementioned upper surface (4; 44) is provided with at least two micrometric zones intended to receive species to be analysed from among at least one cavity and/or at least one protrusion (1; 11; 41; 51; 61) said zones being separated from one another by planar surfaces; and at least one of said zones is different from the others.

No. of Pages: 57 No. of Claims: 17

(21) Application No.4120/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: BOOM DEVICE AND CONCRETE PUMP TRUCK

(51) International classification :E04G21/04,B60P3/16,B66C23/42 (71)Name of Applicant:

(31) Priority Document No :201110322355.9 (32) Priority Date :24/10/2011

(33) Name of priority country :China

(86) International Application :PCT/CN2012/074036

Filing Date

:14/04/2012

(87) International Publication

:WO 2013/060124

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

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

1)HUNAN SANY INTELLIGENT CONTROL

EOUIPMENT CO. LTD

Address of Applicant : Sany Industry Town Economic and Technological Development Zone Changsha Hunan 410100 China

2)SANY HEAVY INDUSTRY CO. LTD

(72)Name of Inventor:

1)XIE Shihui 2)DENG Biao 3)TIAN Runli

#### (57) Abstract:

A boom device and a concrete pump truck. The boom device comprises at least three booms (1, 2, 3 |) which are connected in turn. A root end of a first boom (1) is connected to a turntable. Some of the booms are bent booms at least occupying two columns of space. When the booms (1, 2, 3 |) are in a folded state at least three columns of space are occupied by the boom device. The boom device optimizes the arrangement of booms and reduces the height of folded booms of a multi-boom concrete pump truck. By increasing the number of booms in a limited upright space and reducing the length of individual booms the minimum unfolded height of the boom device can be effectively reduced.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: OFFSHORE GAS SEPARATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/566216 :02/12/2011 :U.S.A. :PCT/US2012/066986 :29/11/2012 :WO 2013/082242 :NA :NA	(71)Name of Applicant:  1)EXXONMOBIL RESEARCH AND ENGINEERING COMPANY  Address of Applicant: 1545 Route 22 East P.O. Box 900 Annandale NJ 08801 0900 U.S.A. (72)Name of Inventor:  1)DAAGE Michel 2)DAVI Richard A. 3)FEDICH Robert B. 4)PARKERTON Thomas F. 5)SISKIN Michael
(62) Divisional to Application Number Filing Date	:NA :NA	5)SISKIN Michael

#### (57) Abstract:

A process for the selective absorption of normally gaseous acid components from hydrocarbon gas mixtures containing both the acidic components and gaseous non-acidic components which is carried out in a gas separation unit located at an offshore marine production installation. The sorbent used in the process comprises a severely sterically hindered amino ether. The process is capable of selectively removing H2S from gas mixtures which also contain C02 in addition to the hydrocarbon components.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHODS FOR ASYMMETRIC EPOXIDATION USING FLOW REACTORS

(51) International classification :C07B53/00,C07D301/19,C07D303/14

(31) Priority Document No :61/561023 (32) Priority Date :17/11/2011 (33) Name of priority :U.S.A.

country

(86) International

Application No :PCT/US2012/063677 :06/11/2012

Filing Date

(87) International Publication No :WO 2013/074326

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

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning NY 14831

USA

(72)Name of Inventor:

1)BAZINET Patrick Rosaire

#### (57) Abstract:

Embodiments of the present disclosure relate to asymmetric epoxidation of olefinic alcohols, using a chiral alcohol chelated titanium catalyst and an organic peroxide performed in a microreactor flow reactor system that can comprise multiple microreactor modules. Molecular sieves can be used to remove any adventitious water in the reagent feed solutions and ensure an anhydrous reaction solution. The use of a microreactor flow reactor allows for the epoxidation reaction to be run at elevated temperatures of at least 20, 30, or even 50° C, which dramatically accelerates the reaction, but without a large drop in enantio selectivity. The reaction can therefore be performed with short reaction times resulting in a high throughput.

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

(21) Application No.4232/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ADJUSTABLE DIAMETER CYLINDRICAL MECHANISM

(51) International classification :A45D24/04,A45D20/52 (71)Name of Applicant : (31) Priority Document No 1)HABIBI Masood :61/553850 (32) Priority Date Address of Applicant :9663 Santa Monica Blvd. #133 Beverly :31/10/2011 (33) Name of priority country Hills California 90210 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2012/062868 1)HABIBI Masood Filing Date :31/10/2012 (87) International Publication No :WO 2013/067058 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An adjustable diameter mechanism includes a plurality of cylinder portions each of the cylinder portions comprising an arcuate portion of a cylinder and extending along an arc of less than or about 120 degrees of a 360 degree circle and having an inner side and an outer side. The inner side of the cylinder portions are coupled to first ends of a scissors mechanism at a pivot point and a slot of the cylinder portions the scissors mechanism having a first and a second piece pivotally coupled at a pivot coupling respective second ends of the scissors mechanism coupled to a respective pair of threaded bolts engaged with a screw having opposing threads meeting at a central point thereof.

No. of Pages: 55 No. of Claims: 8

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: TURBINE ENGINE COMPRISING AN ELECTRICALLY ACTIVATED FUEL SUPPLY PUMP AND TURBINE ENGINE FUEL SUPPLY METHOD

(51) International classification: F01D15/08,F01D15/10,F02C7/22 (71)Name of Applicant: (31) Priority Document No :1160887

(32) Priority Date :29/11/2011 (33) Name of priority country :France

(86) International Application :PCT/FR2012/052742

:28/11/2012 Filing Date

(87) International Publication :WO 2013/098498

No

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

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

1)TURBOMECA

Address of Applicant :BP 2 F BORDES 64510 France

(72)Name of Inventor: 1)LINDEMAN Jean

2)BENEZECH Philippe Jean Ren Marie 3)FREALLE Jean luc Charles Gilbert

4)MOINE Bertrand

#### (57) Abstract:

The invention relates to an aircraft turbine engine comprising a turbine engine shaft and a pumping module (100) which includes a structural casing (9) a pumping shaft (11) connected to the turbine engine shaft a turbine engine fuel supply pump (3) that is mounted on said pumping shaft (11) and is mounted inside the structural casing and an electrical device (5) that is mounted on the pumping shaft (11) and is suitable for rotatably driving the pumping shaft (11) to actuate the supply pump (3) or for being rotatably driven by the pumping shaft (11) to supply electrical power to a device (8) of the turbine engine. The electrical device comprises rotor elements (51) mounted at the outer periphery of a movable part (32) of the supply pump as well as stator elements (52) mounted at the inner periphery of the structural casing.

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

(21) Application No.4235/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR MANAGING THE ELECTRIC CHARGES OF BATTERY CELLS

(51) International classification :H02J7/00,H01M10/44,G01R31/36 (31) Priority Document No :1159881 (32) Priority Date :31/10/2011 (33) Name of priority country :France (86) International Application PGT/FRA012/052002

:WO 2013/064759

No :PCT/FR2012/052093 :20/09/2012

(87) International Publication No

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

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

Filing Date

# (71)Name of Applicant: 1)RENAULT S.A.S.

Address of Applicant :13 15 Quai Le Gallo F 92100 Boulogne

billancourt France (72)Name of Inventor: 1)LUCEA Marc

# (57) Abstract:

The invention relates to the management of the electric charges of cells of an electricity storage battery which are electrically connected in series and/or in parallel comprising: a step in which the states of charge (SOC) of the cells are balanced said step being performed only during the battery charging phase; and a step in which the quantities of charge (Qi) contained in the cells are balanced said step being performed only during the battery discharging or rest phase.

No. of Pages: 25 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :26/05/2014

(21) Application No.4236/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SUTURING ASSEMBLY WITH SPACER

(51) International classification	:A61B17/04	(71)Name of Applicant:
(31) Priority Document No	:61/557482	1)EASYLAP LTD.
(32) Priority Date	:09/11/2011	Address of Applicant :30 HaElla Street POB 128 73150 Kfar
(33) Name of priority country	:U.S.A.	Truman Israel
(86) International Application No	:PCT/US2012/064053	(72)Name of Inventor:
Filing Date	:08/11/2012	1)ALTMAN Nir
(87) International Publication No	:WO 2013/070841	2)FABIAN Izhak
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
755 11 · · ·		

#### (57) Abstract:

A suturing assembly including a first puncture element including a sharp distal end for puncturing tissue a second puncture element including a sharp distal end for puncturing tissue the distal ends of the first and second puncture elements being spaced from each other by a gap and a spacer arranged for sliding distally and proximally on at least one of the first and second puncture elements.

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

(21) Application No.4237/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: DRIVE MECHANISM FOR ARTICULATING TACKER

:NA

(51) International classification :A61B17/064,A61B17/068 (71)Name of Applicant : (31) Priority Document No 1)EASYLAP LTD. :13/295225 (32) Priority Date Address of Applicant :30 HaElla Street POB 128 73150 Kfar :14/11/2011 (33) Name of priority country Truman Israel :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2012/064057 1)ALTMAN Nir Filing Date :08/11/2012 (87) International Publication No :WO 2013/074359 2)FABIAN Izhak (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

A tacker (10) for applying a rotary tack (42) including a drive shaft (16) coupled to a trigger assembly (14) wherein operating the trigger assembly causes rotation of the drive shaft a distal portion of the drive shaft passing into an articulated arm (18) that holds rotary tacks wherein upon operation of the trigger assembly the drive shaft rotates to cause deployment of the tacks distally out of the articulated arm and wherein the drive shaft includes a cable (70) on which are located a plurality of axially spaced drive links (72) that transfer rotational motion of the drive shaft to rotation of the tacks.

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

(21) Application No.4238/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: METHOD FOR PREPARING A BONE FILLER MATERIAL AND MATERIAL PREPARED BY SUCH A METHOD

(51) International :A61L27/06,A61L27/12,A61L27/18 classification

(31) Priority Document No :1004325

(32) Priority Date :04/11/2010 (33) Name of priority country: France

(86) International Application :PCT/EP2011/069486

No :04/11/2011

Filing Date

(87) International Publication :WO 2012/059599

(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)CADOREL Catherine

Address of Applicant: 42 rue Lon Dubas F 44380 Pornichet

(72)Name of Inventor:

1)COUGOULIC Jean Pierre

#### (57) Abstract:

The invention relates to a method for preparing an osteomimetic material from which an endosseous implant for mdical or veterinary use is made, said method including the steps of: i . preparing (210) a homogeneous mixture consisting of a biocompatible thermoplastic polymer and beta-tricalcium phosphate (bTOR), ii. Subjecting said mixture to an injection or extrusion molding opration (220) on a screw machine, at an injection temprature at least equal to the fusion temprature of said polymer and at a pressure of between 70 MPa and 140 Mpa so as to convert said tricalcium phosphat into a non-stoichiometric calcium apatite 3(Ca3(P04)2)(OH)2Ca similar to that of bone. The invention also relates to a material prepared by such a method and to an endosseous implant made of said material.

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

(21) Application No.4122/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR DETECTING QUALITY DEFECTS IN A VIDEO BITSTREAM

(51) International classification :H04N17/00,G06T7/00,H04N21/44

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

(86) International Application :PCT/EP2011/072288

Filing Date :09/12/2011

(87) International Publication :WO 2013/083199

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

(62) Divisional to Application
Number
Siling Date: NA

(71)Name of Applicant :

 $1) TELEFONAKTIEBOLAGET\ L\ M\ ERICSSON\ (PUBL)$ 

Address of Applicant :S 164 83 Stockholm Sweden

2)DEUTSCHE TELEKOM AG

(72)Name of Inventor:1)PETTERSSON Martin2)ARGYROPOULOS Savvas

#### (57) Abstract:

There is provided an apparatus for detecting a quality defect in a video sequence the apparatus comprising: a receiver arranged to receive a video bitstream representing a video sequence; and a defect module arranged to determine a measure of quantization parameter for each picture of the video sequence the defect module further arranged to identify a quality defect when an abrupt change in the measure of quantization parameter occurs.

No. of Pages: 24 No. of Claims: 17

(21) Application No.4123/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: DYNAMIC SPACE DIVISION DUPLEX (SDD) WIRELESS COMMUNICATIONS WITH MULTIPLE ANTENNAS USING SELF INTERFERENCE CANCELLATION

(51) International classification :H04L5/14,H01Q3/26,H04B1/54 (71)Name of Applicant:

(31) Priority Document No :13/290677 (32) Priority Date :07/11/2011

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

(86) International Application No:PCT/IB2012/056198

Filing Date :06/11/2012

(87) International Publication No: WO 2013/068927

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :16483 S 16483 Stockholm Sweden (72)Name of Inventor:

1)HUI Dennis

2) GUEY Jiann Ching

#### (57) Abstract:

A system and method to perform Full Duplex FD Space Division Duplex SDD communication using a Self Interference Cancelling SIC precoder (110) that applies different antenna phase shifts and amplitude scales to the transmitted signals to force them to be in the null space of (he selected receive antennas (83-86). Thus a wireless communication unit (175, 185) can place nulls at each of its receive antennas digitally at baseband for one or more frequency bands. The SIC precoder (110) may be computed based on the self interference channel from the transmit chains to the receive chains. Different SIC precoders may be adaptively selected and stored digitally for different frequency bands. Subsequent single or multi user precode can be applied in concatenation with the SIC precoder to transmit signals to one or more users while receiving signals from one or more users simultaneously over the same frequency band.

No. of Pages: 59 No. of Claims: 24

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: AN AEROSOL GENERATING DEVICE WITH ADJUSTABLE AIRFLOW

(51) International classification :A24D3/04,A24F47/00 (71)Name of Applicant : (31) Priority Document No 1)PHILIP MORRIS PRODUCTS S.A. :11192695.2 (32) Priority Date Address of Applicant: Quai Jeanrenaud 3 CH 2000 Neuchatel :08/12/2011 (33) Name of priority country :EPO Switzerland (86) International Application No (72)Name of Inventor: :PCT/EP2012/074516 Filing Date :05/12/2012 1)DUBIEF Flavien (87) International Publication No :WO 2013/083636 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

There is provided an aerosol generating system (101) for heating an aerosol forming substrate. The aerosol generating system comprises an aerosol generating device (105) and a cartridge (103). The aerosol generating system comprises a vaporizer for heating the aerosol forming substrate to form an aerosol at least one air inlet (123) and at least one air outlet (125). The air inlet (123) and the air outlet (125) are arranged so as to define an air flow route between the air inlet and the air outlet. The aerosol generating system further comprises flow control means for adjusting the size of the at least one air inlet (123) so as to control the air flow speed in the air flow route.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: SERVICE DOMAIN SELECTION SERVICE INDICATOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H04L29/06 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)  Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country (86) International Application No	:NA :PCT/EP2011/072957	(72)Name of Inventor : 1)HEGARTY Cormac
Filing Date	:15/12/2011	2)ANULF Andreas
(87) International Publication No	:WO 2013/087114	3)FALKEN Jonas
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A service indication mechanism is described for use by IP Multimedia Subsystem, IMS, codes (201, 204) of an IMS network (106) in routing a terminating call in a network comprising a circuit switched, CS, network (107) and an IMS network (105, 106). On receipt of a Service Initiation Protocol, SIP, message from a second IMS node (202), the SIP message including a called user number associated with the call (Al), a SIP Uniform Resource Identifier, URI, and the call services for the called user from a user profile database is retrieved (A2). A second SIP URI is generated by including a service indicator of the called user in the re - ceived SIP URI, the service indicator representing the call services of the called user (A3), the SIP message is transmitted with the second SIP-URI to a third IMS node (204). On receiving the transmitted SIP message, the third IMS node (204) detects whether the service indicator is included in the SIP URI, and applies the service indicator to a plurality of policy rules for indicating whether the terminating call should be routed to the CS network (107) and whether to suppress insertion of a prefix to a CS routing number of the called user. The third IMS node (204) transmits to a CS node (206) a SIP message including the CS routing number without the prefix when a routing policy rule associated with the service indicator indicates suppression of the prefix (B5).

No. of Pages: 34 No. of Claims: 18

(21) Application No.4129/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ADDITIVE COMPOSITIONS THAT IMPROVE THE LACQUERING RESISTANCE OF SUPERIOR QUALITY DIESEL OR BIODIESEL FUELS

<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>	:C10L1/14,C10L10/00,C10L10/04 :1162225 :21/12/2011 :France	(71)Name of Applicant:  1)TOTAL MARKETING SERVICES  Address of Applicant: 24 Cours Michelet F 92800 Puteaux France
(86) International Application No Filing Date (87) International Publication	:PCT/EP2012/075863 :17/12/2012	(72)Name of Inventor: 1)ARONDEL Mathieu 2)DEQUENNE Bernard 3)RODESCHINI HI"ne
No (61) Patent of Addition to Application Number Filing Date	:WO 2013/092533 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to additive compositions for superior quality diesel and biodiesel fuels for improving the lacquering resistance of said fuels in particular those intended for engines provided with Euro 4 to Euro 6 fuel injection systems. The additive compositions according to the invention comprise at least one antioxidant of hindered phenol type and at least one metal passivator.

No. of Pages: 29 No. of Claims: 12

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: A HEATING UNIT FOR 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 <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:A47J31/54 :11195389.9 :22/12/2011 :EPO :PCT/EP2012/074658 :06/12/2012 :WO 2013/092235	(71)Name of Applicant:  1)NESTEC S.A. Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor: 1)PIRKER Gerhard 2)AYOUB Michael
. , 1		
. ,		
	:WO 2013/092235	2)AYOUB Michael
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention concerns a heating unit (100) for a beverage preparation machine (1) said machine (1) being suitable for preparing a beverage by mixing a beverage ingredient with a fluid said machine comprising a pump for circulating said beverage preparation fluid through said machine at least from a fluid source to said heating unit the heating unit (100) being suitable for heating said fluid and comprising: a housing (103) defining a fluid heating chamber (108) and a heating element (104) located inside said housing (103) and being adapted to heat said fluid therein wherein the heating unit (100) further comprises a pre heating tube (101) for conveying said fluid received from said pump through said heating unit (100) the pre heating tube (101) comprising a tube inlet (102) and a tube outlet (107) the tube outlet (107) connecting with the heating chamber (108) and wherein the pre heating tube (101) is located at least partly within the housing (103) in such a way that the heating element (104) will at least partially heat said fluid in said pre heating tube (101) before said pre heated fluid is released into the heating chamber (108) through said outlet (107). In this way a fluid e.g. a liquid being water is effectively heated at two stages using the same heating element during its progression through the heating unit. Furthermore mixing of hot and cold fluid or liquid within the same mass of liquid or water is avoided as the fluid or liquid will be heated before arriving in the heating chamber.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ION EXCHANGEABLE GLASS WITH HIGH CRACK INITIATION THRESHOLD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C03B5/00 :61/560434 :16/11/2011 :U.S.A. :PCT/US2012/065263 :15/11/2012 :WO 2013/074779	(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)GROSS Timothy Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Alkali aluminosilicate glasses that are resistant to damage due to sharp impact and capable of fast ion exchange are provided. The glasses comprise at least 4 mo1% P2O5 and when ion exchanged have a Vickers indentation crack initiation load of at least about 7 kgf.

No. of Pages: 75 No. of Claims: 55

(21) Application No.4248/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: COMMUNICATION TERMINAL COMMUNICATION METHOD BASE STATION AND COMMUNICATION SYSTEM

:H04W52/02,H04W68/00 | (71)Name of Applicant : (51) International classification (31) Priority Document No :2011-264437 (32) Priority Date :02/12/2011 (33) Name of priority country

:Japan (86) International Application No

:PCT/JP2012/078912 Filing Date :08/11/2012

(87) International Publication No :WO 2013/080764

(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)YOSHIZAWA Atsushi

#### (57) Abstract:

A communication terminal comprises: a timing detecting unit that detects the arrival of a timing that is in accordance with an established cycle; a condition determining unit that determines whether a shared condition which is shared with a base station is satisfied; and a communication control unit that controls the reception of a paging when the timing detecting unit has detected the arrival of the timing and further the condition determining unit has determined that the shared condition is satisfied.

No. of Pages: 43 No. of Claims: 10

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: SUBSTITUTED PHENACYL MOLECULES AND PHOTORESPONSIVE 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>	:C08F36/00 :61/576527 :16/12/2011 :U.S.A. :PCT/US2012/070060 :17/12/2012 :WO 2013/090892 :NA :NA :NA	(71)Name of Applicant:  1)THE UNIVERSITY OF AKRON Address of Applicant: 302 E. Buchtel Common Akron Ohio 44325 U.S.A.  (72)Name of Inventor: 1)JOY Abraham 2)SUN Shuangyi
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#### (57) Abstract:

Substituted phenacyl molecules are provided and employed to create molecules and polymers/copolymers that exhibit photoresponsiveness. In some instances the substituted phenacyl molecule is incorporated into the polymer/copolymer backbone and photoirradiation of the polymer/copolymer causes the substituted phenacyl group to break down and the polymer/copolymer to undergo degradation. In other instances the substituted phenacyl molecules extend as a side chain from the polymer/copolymer backbone. In yet other instances the substituted phenacyl molecules extend as a side chain from the polymer/copolymer backbone and a drug or polymer additive is linked to the photoresponsive substituted phenacyl group such that photoirradiation releases the drug or additive. In yet other embodiments the substituted phenacyl molecules extend as a side chain from the polymer/copolymer backbone and serve to link the polymer/copolymer to another polymer/copolymer backbone and photoirradiation breaks the links.

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

(21) Application No.4132/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD FOR PRODUCING 4 BENZYL 1 METHYL 6 OXABICYCLO[3 2 0]HEPTANE DERIVATIVE AND METHOD FOR PRODUCING AZOLE DERIVATIVE

:C07D405/06,C07D249/08 (71)Name of Applicant : (51) International classification (31) Priority Document No :2011247990

(32) Priority Date :11/11/2011 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/078658 Filing Date :05/11/2012

(87) International Publication No :WO 2013/069614

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

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

1)KUREHA CORPORATION

Address of Applicant: 3 3 2 Nihonbashi Hamacho Chuo ku

Tokyo 1038552 Japan (72)Name of Inventor: 1)KANNO Hisashi

(57) Abstract:

In order to manufacture a higher yield of a 4-benzyl-l-methyl-6- oxabicyclo[3,2,0]heptane derivative, the present invention is a method for manufacturing a compound represented by General Formula (I) which includes a step for reducing a compound represented by General Formula (II) using a hydride-type reducing agent in an aprotic solvent having an amide bond.

No. of Pages: 32 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

 $(54) \ Title \ of the \ invention: METHOD \ FOR \ PRODUCING \ 4 \ BENZYL \ 1 \ METHYL \ 6 \ OXABICYCLO[3 \ 2 \ 0] HEPTANE \ DERIVATIVE$ 

(51) International classification	:C07D405/06	(71)Name of Applicant:
(31) Priority Document No	:2011247994	1)KUREHA CORPORATION
(32) Priority Date	:11/11/2011	Address of Applicant :3 3 2 Nihonbashi Hamacho Chuo ku
(33) Name of priority country	:Japan	Tokyo 1038552 Japan
(86) International Application No	:PCT/JP2012/078659	(72)Name of Inventor:
Filing Date	:05/11/2012	1)KANNO Hisashi
(87) International Publication No	:WO 2013/069615	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		

(21) Application No.4133/DELNP/2014 A

#### (57) Abstract:

A 4-benzyl-l-methyl-6-oxabicyclo[3,2,0]heptane derivative is manufactured by reducing, in the presence of both a halogenating agent and a hydride-type reducing agent, a methylene moiety bound to a sulfonyloxy group in a compound represented by General Formula (II).

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

(21) Application No.4134/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: COMPOSITION WITH SUSTAINED ANTIMICROBIAL ACTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A61K31/14,A61K31/045 :61/555367 :03/11/2011 :U.S.A. :PCT/US2012/063013 :01/11/2012 :WO 2013/067150 :NA :NA	(71)Name of Applicant:  1)THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK  Address of Applicant: 116 Street And Broadway New York NY 10027 U.S.A. (72)Name of Inventor:  1)MODAK Shanta M. 2)DONGRE Santoshkumar
- 10/2220 02	:NA	

# (57) Abstract:

Disclosed herein are compositions comprising benzyl alcohol one or more cationic antimicrobial agent and one or more emollient the combination of which results in persistent antimicrobial activity after application to the skin. The compositions optionally further comprise an organic acid and/or a zinc salt such as zinc gluconate as an anti irritant.

No. of Pages: 47 No. of Claims: 11

(21) Application No.4135/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COMPOSITIONS AND THEIR USE IN BONE HEALING

(51) International :A61L27/10,A61L27/40,A61L27/56

:A61L2//10,A61L2//40,A61L2//56

(31) Priority Document No :61/550706 (32) Priority Date :24/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/061574

No Filing Date :24/10/2012

(87) International Publication :WO 2013/063033

(61) Patent of Addition to

Application Number :NA

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

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

(71)Name of Applicant:

1)SYNERGY BIOMEDICAL LLC

Address of Applicant :400 Franklin Avenue Suite 207

Phoenixville Pennsylvania 19460 US U.S.A.

(72)Name of Inventor: 1)BORDEN Mark D.

(57) Abstract:

The present invention is directed to implantable compositions comprising substantially spherical bioactive glass particles.

No. of Pages: 37 No. of Claims: 38

(21) Application No.4257/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

# (54) Title of the invention: FUEL OVERFLOW VALVE FOR A FUEL INJECTION DEVICE AND FUEL INJECTION DEVICE COMPRISING FUEL OVERFLOW VALVE

(51) International :F02M37/00,F16K17/04,F02M55/00

classification

:10 2011 089 972.3

(31) Priority Document No

:27/12/2011

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

(86) International

:PCT/EP2012/076919

Application No

:27/12/2012

Filing Date

(87) International Publication :WO 2013/098302

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

Filing Date

:NA

(62) Divisional to

:NA

**Application Number** Filing Date

:NA

(72)Name of Inventor: 1)BOECKING Friedrich

Germany

(71)Name of Applicant:

#### (57) Abstract:

The invention relates to a fuel overflow valve for a fuel injection device, in particular for limiting the pressure in a low-pressure region of the fuel injection device. The fuel overflow valve (36) has a valve element (58) which is movably arranged in a receiving portion (40) and which is urged in the closing direction by a valve spring (60) and in the opening direction by the pressure in the low-pressure region (19, 52). A connection (54) of the low-pressure region (19, 52) to a return line (38) is opened by the overflow valve (36) when an overflow valve opening pressure is reached. A valve support (42) is arranged in the receiving portion (40) in a stationary manner, said valve support (42) having a sleeve-shaped portion (44) on which the annular valve element (58) is movably guided. A connection (54) to the return line (38), said connection running through the sleeve-shaped portion (44), is controlled by the valve element (58).

No. of Pages: 15 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :26/05/2014

(21) Application No.4258/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PLUG CONNECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:25/01/2013 :WO 2013/113626 :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)SCHMATZ Ulrich
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a plug connector (2) comprising at least one first contact element (4a, 4b) and at least one second contact element (6) wherein the at least one first contact element (4a, 4b) and the at least one second contact element (6) can be brought in conductive contact. The at least one first contact element (4a, 4b) and the at least one second contact element (6) lie against each other in conductive contact and having a contact force (FA). The plug connector is characterized in that the plug connector (2) also has a force element (8a, 8b) which is designed to apply an additional force (Fz) to one of the at least one first contact element (4a, 4b) and the at least one second contact element (6) after the at least one first contact element (4a, 4b) and the at least one second contact element (6) have been brought in conductive contact in order to increase the contact force (FA).

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

(21) Application No.4250/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: BIOMARKERS FOR CANCERS RESPONSIVE TO MODULATORS OF HEC1 ACTIVITY

(51) International :G01N33/566,C07D277/04,C07D277/82 classification

:61/562177

(31) Priority Document

No

(32) Priority Date :21/11/2011 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/065923 Application No :19/11/2012

Filing Date

(87) International :WO 2013/078145 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) TAIVEX THERAPEUTICS CORPORATION

Address of Applicant: 17th Floor 3 YuanQu Street Nangang

District 115 Taipei City Taiwan

(72)Name of Inventor: 1)HUANG Yu Ling

2)LAU Johnson

## (57) Abstract:

Contemplated compositions and methods are drawn to biomarkers and methods related to treatment of neoplastic disease with Hec1 inhibitor. Gene status and/or expression levels of Hec1(HEC) Rb(RB1) and/or p53 (TP53) may be useful as biomarkers for sensitivity to treatment with a Hec1 inhibitor. In addition Hec 1 inhibitors may show synergistic effects when used in conjunction with cytotoxic drugs.

No. of Pages: 52 No. of Claims: 19

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR MOLDING SAND MOLD AND SAND MOLD

(51) International classification	:B22C1/18	(71)Name of Applicant:
(31) Priority Document No	:2011-259311	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:28/11/2011	Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471
(33) Name of priority country	:Japan	8571 Japan
(86) International Application No	:PCT/IB2012/002501	2)SINTOKOGIO LTD.
Filing Date	:27/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/080016	1)MITSUTAKE Masaomi
(61) Patent of Addition to Application	:NA	2)WATANABE Hirotsune
Number	:NA	3)SUDA Tomokazu
Filing Date	.11/1	4)KATO Yusuke
(62) Divisional to Application Number	:NA	5)ZENPO Toshihiko
Filing Date	:NA	

#### (57) Abstract:

By mixing, stirring and kneading, with water glass (11) as a binder, sand (7), a surfactant (9), and water (10), foamed sand (S) is generated. The foamed sand (S) is packed in a cavity of a metallic mold and solidified to form a sand mold. By using the sand mold, aluminum is cast. By using water glass that is an inorganic binder, during casting, harmful gas and odor are not generated. Further, when a molar ratio n of water glass (Na20 nSi02 mH20) is adjusted in the range of 0.65 to 1.30, a quantity of water (H20) generated by heating water glass with a high temperature melt during casting can be suppressed. Thereby, hydrogen gas (H2) according to a reaction between water (H20) and aluminum (Al) can be suppressed from being generated and casting quality can be improved.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: COMPOSITIONS AND METHODS FOR PREVENTING AND TREATING ORAL DISEASES

(51) International (71)Name of Applicant: :A61K38/40,A61K31/194,A61K31/198 classification 1)KANE BIOTECH INC. (31) Priority Document Address of Applicant :162 196 Innovation Drive Winnipeg :61/553506 Manitoba R3T 2N2 Canada (72)Name of Inventor: (32) Priority Date :31/10/2011 1)LOVETRI Karen (33) Name of priority :U.S.A. country 2)MADHYASTHA Srinivasa (86) International 3)YAKANDAWALA Nandadeva :PCT/CA2012/050432 Application No 4)GAWANDE Purushottam V. :27/06/2012 Filing Date 5)FROEHLICH Gord (87) International :WO 2013/063695 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

# (57) Abstract:

Filing Date

Compositions comprising iron sequestering glycoproteins chelating agents stabilizing agents binding agents surfactants fluorides antimicrobials and a pH adjuster or buffer for the prevention and treatment of oral cavity diseases caused by dental plaque/biofilm such as dental caries gingivitis and periodontitis through anti infective properties are disclosed. The anti infective properties of a composition include reduction or killing of anaerobic/aerobic/facultative gram negative and gram positive oral bacteria occurring in polymicrobial dental biofilms. The composition may be in the form of wash rinse soak paste gel spray or other suitable form. Additionally the invention offers an efficient method of delivering the formulated composition containing a PEGylated or fluorinated iron sequestering glycoprotein and one or two chelating agents or chelating agents alone using either a liposomal or a nanoparticle delivery system.

No. of Pages: 53 No. of Claims: 42

(21) Application No.4254/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: AN INHALER COMPRISING A TIOTROPIUM CONTAINING COMPOSITION

 $: A61K31/46, A61K9/12, A61P11/00 \bigg| (71) \textbf{Name of Applicant:} \\$ (51) International classification

(31) Priority Document No :61/577314 (32) Priority Date :19/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2012/075230

No :12/12/2012 Filing Date

(87) International Publication :WO 2013/092345

(61) Patent of Addition to

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

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

1)TEVA BRANDED PHARMACEUTICAL PRODUCTS R&D INC.

Address of Applicant: 425 Privet Road Horsham Pennsylvania

19044 U.S.A.

(72)Name of Inventor:

1)ZENG Xian Ming 2)FENLON Derek

(57) Abstract:

This invention relates to a pressurised metered dose inhaler comprising a canister wherein the canister contains a formulation comprising a tiotropium salt and an HFA propellant wherein the inhaler is an inhalation actuated inhaler.

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

(21) Application No.4255/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AN INHALABLE MEDICAMENT COMPRISING TIOTROPIUM

<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>	:A61K31/46,A61K9/00,A61K9/12 :61/577315 :19/12/2011 :U.S.A.	(71)Name of Applicant: 1)TEVA BRANDED PHARMACEUTICAL PRODUCTS R&D INC. Address of Applicant: 425 Privet Road Horsham PA 19044
(86) International Application No Filing Date (87) International Publication	:PCT/EP2012/074690 :06/12/2012	U.S.A. (72)Name of Inventor: 1)ZENG Xian Ming
No (61) Patent of Addition to	:WO 2013/092237	
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

This invention relates to a solution formulation comprising a tiotropium salt, 12-20% ethanol, 0.1-1 .5% of water, 0.05-0. 10% citric acid (or other organic acid) and an HFA propellant, wherein the percentages are percentages by weight based on the total weight of the formulation. The invention also provides a p MDI comprising a canister containing the formulation.

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

(21) Application No.4154/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AROMATIC PHOSPHATE ESTERS AS AGROCHEMICAL FORMULATION COMPONENT

(51) International classification	:A01N25/30,A01N41/06,A01N41/10	(71)Name of Applicant: 1)SYNGENTA LIMITED
(31) Priority Document No	:1121377.4	Address of Applicant :European Regional Centre Priestley
(32) Priority Date	:12/12/2011	Road Surrey Research Park Guildford Surrey GU2 7YH U.K.
(33) Name of priority country	:U.K.	(72)Name of Inventor : 1)BELL Gordon Alastair
(86) International Application No Filing Date	:PCT/EP2012/073451 :23/11/2012	2)TAYLOR Philip
(87) International Publication No	:WO 2013/087395	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to the use of aromatic phosphate esters of formula (I) wherein R R and R are as defined within the description as adjuvants in compositions particularly for agrochemical use as well to compositions comprising such an aromatic phosphate ester in combination with at least one agrochemical and optionally at least one surfactant. The invention further extends to methods of making and using such compositions.

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

(21) Application No.4155/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD OF RECOVERING LIPIDS FROM MICROBIAL BIOMASS

(51) International classification :A23D9/02,C11B1/02,C11B1/10 (71)Name of Applicant :

(31) Priority Document No :61/565554 (32) Priority Date :01/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/066838

Filing Date :28/11/2012

(87) International Publication No: WO 2013/082141

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) SHELL INTERNATIONALE RESEARCH

MAATSCHAPPIJ B.V.

Address of Applicant: Carel van Bylandtlaan 30 NL 2596 The

Hague Netherlands

(72)Name of Inventor:

1)ALISHUSKY Joseph James

2)BLACKBOURN Robert Lawrence

3)WEIDER Paul Richard 4)WANG Pen Chung

#### (57) Abstract:

A method of obtaining lipids from microbial biomass such as algae is provided by treating microbial biomass with a solution containing at least one a hydroxysulfonic acid to extract and recover liposoluble components. The a hydroxysulfonic acid can be easily removed from the product containing liposoluble components and recycled.

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

(21) Application No.4266/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : COMBINATION OF INOTUZUMAB OZOGAMICIN AND TORISEL FOR THE TREATMENT OF CANCER

(51) International classification :A61K39/395,A61K47/48,C07K16/28

(31) Priority Document No :61/576831

(32) Priority Date :16/12/2011

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

country

(86) International PCT/IB2012/056958
Application No

Filing Date :04/12/2012

(87) International :WO 2013/088304

Publication No (61) Patent of Addition to

Application Number :NA
Filing Date :NA

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

(71)Name of Applicant: 1)PFIZER INC.

Address of Applicant :235 East 42nd Street New York New

York 10017 U.S.A.

2)ONCOLOGY INSTITUTE OF SOUTHERN

SWITZERLAND
(72)Name of Inventor:
1)BRUEDERLE Andreas
2)MORAN Padraig

3)STATHIS Anastasios

## (57) Abstract:

The present invention relates to a therapeutic method for the treatment of cancer that comprises the use of a combination of inotuzumab ozogamicin (CMC-544) and temsirolimus. The enhanced antitumor of the combination therapy is particularly useful for patient population that are recalcitrant to inotuzumab ozogamicin or temsirolimus therapy relapse after treatment with inotuzumab ozogamicin or temsirolimus or where enhanced antitumor effect reduces toxicities associated with treatment using inotuzumab ozogamicin or temsirolimus.

No. of Pages: 46 No. of Claims: 30

(21) Application No.4267/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: STORAGE SYSTEM 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>	:61/561895 :20/11/2011 :U.S.A. :PCT/US2012/065772 :19/11/2012 :WO 2013/075075 :NA :NA	(71)Name of Applicant:  1)ILLINOIS TOOL WORKS INC.  Address of Applicant: 155 Harlem Avenue Glenview IL 60025 U.S.A. (72)Name of Inventor:  1)SALICHS Rafael 2)TAMAYO Juan Carlos
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A storage system includes a rack with a plurality of layers each layer including an aisle (303) and a plurality of rows extending from the aisle (303) defining storage locations for items (308). A shuttle usable with the rack includes a first cart (102) movable along the aisle (303) and a second cart (104) configured to be carriable by the first cart (102) and to be movable along a row. The second cart is configured to carry an item (308) between the first cart (102) and the storage locations. A conveyor is located on one of the first (102) or second carts (104) to move the item onto or off the first cart (102). Related methods of storing and/or retrieving items (308) from a rack are also disclosed. A rack system is disclosed and is readily assembled without welding transferring loading so that the weight of the rack and any item stored therein is supported by the upright elements via support brackets.

No. of Pages: 37 No. of Claims: 21

(21) Application No.4268/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: STORAGE SYSTEM 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> </ul>	:61/561895 :20/11/2011 :U.S.A. :PCT/US2012/065776 :19/11/2012 :WO 2013/075076 :NA :NA	(71)Name of Applicant:  1)ILLINOIS TOOL WORKS INC.  Address of Applicant: 155 Harlem Avenue Glenview Il 60025 U.S.A. (72)Name of Inventor:  1)SALICHS Rafael 2)TAMAYO Juan Carlos
	:NA :NA :NA	

#### (57) Abstract:

A storage system includes a rack with a plurality of layers each layer including an aisle (303) and a plurality of rows extending from the aisle (303) defining storage locations for items (308). A shuttle usable with the rack includes a first cart (102) movable along the aisle (303) and a second cart (104) configured to be carriable by the first cart (102) and to be movable along a row. The second cart is configured to carry an item (308) between the first cart (102) and the storage locations. A conveyor is located on one of the first (102) or second carts (104) to move the item onto or off the first cart (102). Related methods of storing and/or retrieving items (308) from a rack are also disclosed. A rack system is disclosed and is readily assembled without welding transferring loading so that the weight of the rack and any item stored therein is supported by the upright elements via support brackets.

No. of Pages: 37 No. of Claims: 21

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: HANDLING HANDOVER REQUESTS IN A COMMUNICATIONS SYSTEM

(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	H04W36/00 61/584968 10/01/2012 U.S.A. PCT/EP2013/050274 09/01/2013 WO 2013/104651 NA NA	(71)Name of Applicant:  1)NOKIA SOLUTIONS AND NETWORKS OY Address of Applicant: Karaportti 3 FI 02610 Espoo Finland (72)Name of Inventor: 1)WONG Curt 2)LEIS Peter 3)SHEN Jiadong 4)MAYER J <sup>1</sup> / <sub>4</sub> rgen
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#### (57) Abstract:

A scenario may arise in which a circuit switched (CS) bearer reservation is successful but a voice media switching from packet switched (PS) to CS performed by a mobile switching center (MSC) server fails. Certain embodiments provides systems apparatuses and methods for recovery from such a scenario. A method for example can include determining whether session transfer of a user equipment is possible in response to a request from a network element to initiate session transfer of the user equipment and reporting to the requesting network element either a generic or specific indication that the transfer is not possible when it is determined that the session transfer is not possible.

No. of Pages: 36 No. of Claims: 23

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: INDUCTIVE WIRELESS CHARGING 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</li> <li>No</li> <li>Filing Date</li> </ul>	:H01F38/14,H02J7/02,H02J17/00 :11195235.4 :22/12/2011 :EPO :PCT/EP2012/075083 :11/12/2012	<ul> <li>(71)Name of Applicant:</li> <li>1)DSM IP ASSETS B.V.</li> <li>Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen</li> <li>Netherlands</li> <li>(72)Name of Inventor:</li> <li>1)JANSSEN Robert Hendrik Catharina</li> <li>2)FITI% Carel Frederik Constantijn</li> </ul>
(87) International Publication	:WO 2013/092305	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.4158/DELNP/2014 A

#### (57) Abstract:

(19) INDIA

The invention relates to an inductive wireless charging system comprising a charger a chargeable mobile device a first coil for or in the charger and a second coil for or in the chargeable mobile device wherein each of the first and the second coil comprises a core part consisting of a soft magnetic material and each of the first and the second coil is embedded in a polymer bonded soft magnetic material. The invention also relates to a charger respectively a chargeable mobile device for an inductive wireless charging system comprising at least one coil comprising a core part consisting of a soft magnetic material wherein the coil is embedded in a polymer bonded soft magnetic material.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: PROCESS FOR THE PREPARATION OF AZELEIC ACID FROM 9 OCTADECENEDIOIC ACID

(51) International :C07C51/285,C07C67/333,C07C55/18 classification

(31) Priority Document No :11194564.8 (32) Priority Date :20/12/2011

(33) Name of priority :EPO

country

(86) International :PCT/EP2012/075273 Application No

:12/12/2012 Filing Date

(87) International

:WO 2013/092353 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)DSM IP ASSETS B.V.

Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen

Netherlands

(72)Name of Inventor:

1)ALSTERS Paulus Lamburtus

#### (57) Abstract:

The invention relates to a process for the preparation of azelaic acid or alkyl azelate starting from mono unsaturated 9 octadecenedioic acid or its corresponding alkylester characterized in that the process comprises at least the following step: reacting the mono unsaturated 9 octadecene dioic acid or its corresponding alkylester with hydrogen peroxide in the presence of an organic carboxylic acid other than 9 octadecene dioic acid and a suitable catalyst to effect cleavage of the double bond in the mono unsaturated 9 octadecene dioic acid or its corresponding alkylester. The invention further relates to the azelaic acid or alkyl azelate obtainable by the process according to the invention and to the use of azelaic acid or alkyl azelate or monomers derived there from for the preparation of a polymer especially a polyamide.

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

(21) Application No.4272/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: PORT AND SURFACE CLEANING DEVICES AND TECHNIQUES

(51) International :A61M39/16,A61M39/20,A61L2/18 classification

(31) Priority Document No :61/564206 (32) Priority Date :28/11/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/066886

No :28/11/2012 Filing Date

(87) International Publication :WO 2013/082180

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) HYPROTEK INC.

Address of Applicant :4219 E. 65th Avenue Spokane WA

99223 1806 U.S.A. (72)Name of Inventor: 1)TENNICAN Patrick O.

(57) Abstract:

This disclosure describes example antimicrobial compositions that may be used in combination with IV port cleansing caps protective caps or both. According to another implementations the disclosure describes various cap devices that may be used in combination with the antimicrobial composition to cleanse sanitized and/or disinfected a surface.

No. of Pages: 31 No. of Claims: 25

(22) Date of filing of Application :27/05/2014 (43) P

(43) Publication Date : 20/02/2015

# (54) Title of the invention : COMMUNICATION RELAY APPARATUS OPERATING STATUS DETERMINING METHOD COMMUNICATION RELAY CONTROL BOARD AND RECORDING MEDIUM ON WHICH CONTROL PROGRAM HAS BEEN STORED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>		(71)Name of Applicant:  1)NEC Corporation  Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan  (72)Name of Inventor:  1)YAMALICHI Toshiro
Filing Date (87) International Publication No	:24/07/2012 :WO 2013/061494	1)YAMAUCHI Toshiro
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a communication relay apparatus in which first and second boards are redundantly disposed. The first board is such a board that holds first arrangement information including the latest setting information in a communication service provided while the board is disposed in any communication relay apparatus and that upon activation determines an operating status of its own and transitions to the determined operating status. The second board is such a board that holds second arrangement information including the latest setting information in a communication service provided while the board is disposed in any communication relay apparatus and that upon activation determines an operating status of its own and transitions to the determined operating status. The first and second boards determine respective operating statuses of their own on the basis of the first and second arrangement information when neither of the first and second boards is out of order and both of the first and second boards are activated at the same time. In this way when a communication apparatus in which a plurality of control boards are redundantly disposed is reactivated and hence the plurality of control boards are activated at the same time any of the control boards that is operable can be determined as an operating system while a communication service can be continued in the same status as before the reactivation.

No. of Pages: 54 No. of Claims: 12

(21) Application No.4260/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : ROTOR OF BUILT IN PERMANENT MAGNET MOTOR AND BUILT IN PERMANENT MAGNET MOTOR USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:H02K1/27 :201110380616.2 :25/11/2011 :China :PCT/CN2012/085164 :23/11/2012 :WO 2013/075656 :NA :NA	(71)Name of Applicant:  1)DANFOSS (TIANJIN) LTD.  Address of Applicant: No.5 Fuyuan Rd Wuqing Development Zone Tianjin 301700 China (72)Name of Inventor:  1)LIN Yan  2)LIU Wanzhen  3)YAO Li  4)WANG Zhenyu
11		,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are a rotor (24) of a built in permanent magnet motor and a built in permanent magnet motor (20) using same. The rotor (24) of the built in permanent magnet motor comprises a rotor iron core (25) permanent magnets (27) the permanent magnets (27) being provided with spacing within the rotor iron core (25) and air grooves (30) provided at the end part of the adjacent permanent magnets (27) and close to the outer circumference of the rotor. The motor (20) can generate air gap magnetic flux density with analogous sinusoidal shape between the air gaps of a stator (21) and the rotor (24).

No. of Pages: 16 No. of Claims: 12

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: PROCESS AND APPARATUS FOR MIXING TWO STREAMS OF CATALYST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul> <li>Filing Date</li>	:B01J37/04,B01J8/18,C10G11/18 :13/323053 :12/12/2011 :U.S.A. :PCT/US2012/057163 :26/09/2012 :WO 2013/089875 :NA :NA	(71)Name of Applicant:  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)LORSBACH Thomas W. 2)PARAMANANDAM Karthikeyan 3)VAN OPDORP Peter J. 4)SANDACZ Michael S. 5)HUOVIE Chad R. 6)JOHNSON Daniel R. 7)MOSTOFI ASHTIANI Mohammad Reza 8)MEHLBERG Robert L. 9)PALMAS Paolo 10)WOLSCHLAG Lisa M. 11)DAVYDOV Lev
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#### (57) Abstract:

A process and apparatus for mixing streams of regenerated and carbonized catalyst involves passing a catalyst stream into and out of a chamber in a lower section of a riser. The chamber fosters mixing of the catalyst streams to reduce their temperature differential before contacting hydrocarbon feed.

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SYSTEM AND PROCESS FOR RECOVERING PRODUCTS USING SIMULATED MOVING BED ADSORPTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:30/10/2012 :WO 2013/089921 :NA :NA :NA	(71)Name of Applicant:  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)CORRADI Jason T. 2)FREY Stanley J. 3)WILLIAMS Sara A.
Filing Date	:NA	

#### (57) Abstract:

A process according to various approaches includes flushing an intermediate transfer line at first flow rate during a first portion of the step time interval. The process also includes flushing the intermediate transfer line at as second different flow rate during a second portion of the step time interval so that a greater volume of fluid is flushed from the intermediate transfer line during one of the first portion and the second portion of the step time interval than during the other of the first portion and the second portion of the step time interval.

No. of Pages: 54 No. of Claims: 10

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: METHODS AND SYSTEMS FOR DETECTING A PATHOGEN IN A BIOLOGICAL SAMPLE

(51) International :G01N33/49,G01N33/52,G06T7/60 classification

(31) Priority Document No :PCT/IL2011/000973

(32) Priority Date :29/12/2011 (33) Name of priority country: Israel

(86) International Application :PCT/IL2012/050556

:27/12/2012

Filing Date

(87) International Publication

:WO 2013/098821 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)PARASIGHT LTD.

Address of Applicant: Jerusalem Technology Park 9695114

Jerusalem Israel

(72)Name of Inventor:

1)POLLAK Joseph Joel

2)LEVNER Daniel

3)BILU Yonatan

4)YAFIN Arnon

5)YORAV REPHAEL Noam

6)GREENFIELD Yuval

#### (57) Abstract:

Disclosed herein inter alia is method kit and systems for detecting a pathogen infection in a bodily sample the method comprising (i) staining said bodily sample with two or more dyes comprising at least one dye predominantly staining DNA to thereby provide differential staining between DNA and at least one other cellular component being different from DNA; (ii) identifying at least a first stained area comprising the DNA if exists in the sample and at least one other stained area comprising the other cellular component; (iii) extracting structural features for the first stained area and the at least one other stained area said structural features comprise at least one of (i) size of at least one of the first stained area and one other stained area and (ii) location of said first stained area and said at least one other stained area one with respect to the other; and (iv) determining the presence of a suspected pathogen in the bodily sample if a first stained area was identified and said structural features conform to structural features predetermined as characterizing the suspected pathogen.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: STATISTICAL RESERVOIR MODEL BASED ON DETECTED FLOW EVENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:E21B43/20 :13/288840 :03/11/2011 :U.S.A. :PCT/US2011/061321 :18/11/2011 :WO 2013/066358 :NA :NA	(71)Name of Applicant:  1)BP CORPORATION NORTH AMERICA INC. Address of Applicant:501 Westlake Park Boulevard Houston TX 77079 U.S.A.  2)BP EXPLORATION OPERATING COMPANY LIMITED (72)Name of Inventor: 1)SHIRZADI Shawn 2)BAILEY Richard 3)ZIEGEL Eric
1 (41110-41	:NA :NA :NA	· ·

#### (57) Abstract:

Computerized method and system for deriving a statistical reservoir model of associations between injecting wells and producing wells. Potential injector events at which injection flow rate changes are interactively identified from time series measurement data of flow rates at the wells in a production field with confirmation that some response to those injector events appears at producing wells. Gradient analysis is applied to cumulative production time series of the producing wells to identify points in time at which the gradient of cumulative production changes by more than a threshold value. The identified potential producer events are spread in time and again thresholded. An automated association program rank orders injector producer associations according to strength of the association. A capacitance resistivity reservoir model is evaluated using the flow rate measurement data for the highest ranked injector producer associations. Additional associations are added to subsequent iterations of the reservoir model until improvement in the uncertainty in the evaluated model parameters is not statistically significant.

No. of Pages: 83 No. of Claims: 39

(21) Application No.4033/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 19/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: COOLANT FORMULATIONS

(51) International classification :C09K5/00,C09K5/10,C09K5/14 (71)Name of Applicant:

(31) Priority Document No :13/279003 (32) Priority Date :21/10/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/039579

Filing Date :25/05/2012 (87) International Publication No: WO 2013/058834

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

:NA Number :NA Filing Date

1) CHEVRON U.S.A. INC.

Address of Applicant :6001 Bollinger Canyon Road San

Ramon California 94583 U.S.A.

(72)Name of Inventor:

1)LIEVENS Serge S.

2)DE KIMPE Jurgen P.

#### (57) Abstract:

The technology of this invention relates to an aqueous heat transfer solution exhibiting enhanced stability as well as thermal conductivity. The solution comprises silicon oxide nanoparticles to which a freezing point depressant may potentially be added. The solution provides protection against forms of corrosion for use in applications where cooling is critical. The invention also covers the use of a concentrate as well as the dilution made from the concentrate.

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

(21) Application No.4144/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: NANOFILTRATION PROCESS WITH PRE TREATMENT TO ENHANCE SOLUTE FLUX

(51) International (71)Name of Applicant: :B01D67/00,B01D61/02,C13K13/00 1)DUPONT NUTRITION BIOSCIENCES APS classification (31) Priority Document No :61/567815 Address of Applicant: Langebrogade 1 DK 1001 Copenhagen (32) Priority Date :07/12/2011 K Denmark (33) Name of priority country: U.S.A. (72)Name of Inventor: (86) International 1)MATTILA Jari :PCT/EP2012/074490 2)KOIVIKKO Hannu Application No :05/12/2012 Filing Date (87) International Publication :WO 2013/083623 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

A process of treating polymeric nanofiltration membranes before separation of low molecular weight compounds from a solution comprising the same by nanofiltration wherein the treatment of the nanofiltration membranes is performed with an treatment liquid under conditions which enhance the flux of the low molecular weight compounds to the nanofiltration permeate.

No. of Pages: 35 No. of Claims: 22

(21) Application No.4284/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE MULTIFILAMENT YARN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:11193491.5 :14/12/2011 :EPO	(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)MENCKE Jacobus Johannes 2)HEIJNEN Johannes Hendrikus Marie 3)VAN DER WERFF Harm
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#### (57) Abstract:

The invention relates to a multifilament yarn containing n filaments, wherein the filaments are obtained by spinning an ultra-high molecular weight polyethylene (UHMWPE), said yarn having a tenacity (Ten) as expressed in cN/dtex of Ten(cN/dtex) = f x n-0.05 x dpf-0.15, wherein Ten is at least 39 cN/dtex, n is at least 25, / is a factor of at least 58 and dpf is the dtex per filament.

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

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: SLIDING ELEMENT FOR USE IN AN ENGINE OR CHAIN TRANSMISSION APPARATUS

(51) International classification: F16H7/18,F16C33/12,F16H55/06 (71) Name of Applicant: (31) Priority Document No 1)DSM IP ASSETS B.V. :11194741.2 (32) Priority Date Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen :21/12/2011 (33) Name of priority country :EPO Netherlands (86) International Application (72)Name of Inventor: :PCT/EP2012/075085 1)WANG Zhuiuan :11/12/2012 Filing Date 2) MEUWISSEN Michael Hubertus Helena (87) International Publication 3)PROOST Roy Antoine Hendrikus Wilhelmus :WO 2013/092307 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

Filing Date (57) Abstract :

Number

(62) Divisional to Application

:NA

:NA

The invention relates to a sliding element for use in a chain transmission apparatus comprising a sliding contact section for engagement in sliding contact with a chain wherein the sliding contact section consists of a plastic material comprising a matrix polymer and dispersed therein graphite platelets comprising platelet particles having a thickness of at most 250 nm. The invention relates to an engine comprising a first sliding element in sliding contact with a second element wherein at least a sliding contact section is made of such a plastic material comprising such thin graphite platelets. The invention further relates to a chain transmission apparatus comprising a chain and a sliding element comprising (i) a sliding contact section engaged in sliding contact with the chain and (ii) a main body reinforcing and supporting the sliding contact section wherein the sliding contact section consists of such a plastic material.

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

(19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.4287/DELNP/2014 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: A CRANE

(51) International classification	:B66F19/00,B66C19/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2011 70658	1)APM TERMINALS BV
(32) Priority Date	:29/11/2011	Address of Applicant : Anna van Saksenlaan 71 NL 2593 HW
(33) Name of priority country	:Denmark	Den Haag Netherlands
(86) International Application No	:PCT/EP2012/073607	(72)Name of Inventor:
Filing Date	:26/11/2012	1)GRAPENGIESSER Volker
(87) International Publication No	:WO 2013/079439	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cargo crane (1) for transferring containers (50) to and from a ship (100) birthed alongside a quay (110) is disclosed. The cargo crane (1) includes: at least one quayside support leg (10) supported by a bogie (60) arranged to travel on a rail at least one landside support leg (20) supported by a bogie (60) arranged to travel on a rail a boom (2) configured to extend over a ship (100) birthed alongside a quay (110) a trolley (3) displaceably connected to said boom (2) and container lifting means (5) connected to said trolley (3) The invention is novel and inventive in that said at least one quayside support leg (10) in a first height define an outer horizontal width (A) and in a second height said at least one quayside support leg (10) define an inner horizontal width () wherein said inner horizontal width () in said second height is greater or less than said outer horizontal width (A) of said quayside support leg (10) in said first height.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: PROCESSES AND HYDROCARBON PROCESSING APPARATUSES FOR PREPARING MONO **OLEFINS**

(51) International classification: C07C11/02, C07C5/333, C07C5/09 (71) Name of Applicant: (31) Priority Document No :13/399796 (32) Priority Date :17/02/2012

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

(86) International Application :PCT/US2013/023576

:29/01/2013 Filing Date

(87) International Publication

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

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

:WO 2013/122736 No

Filing Date (57) Abstract:

1)UOP LLC

Address of Applicant :25 East Algonquin Road P. O. Box

5017 Des Plaines IL 60017 5017 U.S.A.

(72)Name of Inventor:

1)KOZUP Steven C.

2)ZIMMERMANN Joseph Edward

Processes and hydrocarbon processing apparatuses for preparing mono olefins are provided. An exemplary process includes separating a hydrocarbon feed into a first fraction of carbon containing compounds having less than or equal to 5 carbon atoms and a second fraction of compounds that have a lower vapor pressure than those in the first fraction. Dienes and/or acetylenes from the first fraction are selectively hydrogenated into corresponding mono olefins. Paraffins from the first fraction are converted into corresponding mono olefins. The converted mono olefins are contact cooled with an impurity containing liquid hydrocarbon stream with the impurities in

the impurity containing liquid hydrocarbon stream having a lower vapor pressure than compounds in the first fraction. The dienes and/or acetylenes from the first fraction are selectively hydrogenated prior to converting the paraffins from the first fraction into mono olefins and after separating the first fraction from the hydrocarbon feed.

No. of Pages: 22 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR RECOVERING PRODUCTS USING ADSORPTION SEPARATION AND FRACTIONATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>(22) Principped to Application Number</li> </ul>	:27/02/2013 :WO 2013/134021 :NA :NA	(71)Name of Applicant:  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)CORRADI Jason T.  2)HARRIS James W.
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.4169/DELNP/2014 A

#### (57) Abstract:

A process and apparatus according to various approaches are provided for separating a component from a feed stream using adsorption separation. The process further includes directing one of the extract stream and the raffinate stream to a high pressure distillation column. In addition the process includes pumping the one of the extract stream and the raffinate stream to increase the pressure in the stream to flow the one of the extract stream and the raffinate stream into an inlet of the distillation column.

No. of Pages: 40 No. of Claims: 10

(21) Application No.4290/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date: 20/02/2015

:WO 2013/067719

#### (54) Title of the invention: BIOENGINEERING STRAIN FOR PRODUCING NEW MICROBIAL FUNGICIDE AND USE **THEREOF**

(51) International

:C12N1/21,C12N15/54,C12N15/78 classification

(31) Priority Document No :201110347790.7 :07/11/2011 (32) Priority Date (33) Name of priority country

:China (86) International Application

:PCT/CN2011/082531 No

:21/11/2011 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

(71)Name of Applicant:

1)SHANGHAI JIAOTONG UNIVERSITY

Address of Applicant :No.800 Dongchuan Road Minhang

District Shanghai 200240 China

(72)Name of Inventor:

1)XU Yuquan 2)SHEN Huifeng 3)HE Ya Wen 4)ZHOU Wanping

#### (57) Abstract:

Provided is a bioengineering strain for producing a new microbial fungicide and the use thereof, wherein the bioengineering strain is obtained by transforming a phzH gene recombinant expression plasmid into a strain producing phenazine- 1- carboxylic acid. After the recombinant expression plasmid carrying the phzH gene is transformed into the strain producing phenazine-1-carboxylic acid, highly efficient expression of the phzH gene is realized and phenazine-1-carboxylic acid is transformed into phenazine-1-carboxylic acid amide. Therefore, the bioengineering stain can produce phenazine- 1-carboxylic acid amide. Also disclosed are the use of the bioengineering stain, comprising producing a microbial fungicide by fermentation, and the preparation method and use of the fungicide. The antifungal activity of phenazine- 1-carboxylic acid amide is not affected by the acidity value of the conditions of use, thereby having a more stable antifungal activity.

No. of Pages: 41 No. of Claims: 24

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: METHOD FOR IMPROVED TRANSFORMATION USING AGROBACTERIUM

(51) International classification	:C12N15/82,A01H1/00	(71)Name of Applicant:
(31) Priority Document No	:61/576138	1)DOW AGROSCIENCES LLC
(32) Priority Date	:15/12/2011	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/US2012/069769	(72)Name of Inventor:
Filing Date	:14/12/2012	1)MILLER Paul David
(87) International Publication No	:WO 2013/090734	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods to increase transformation frequency in plants when using Agrobacterium as the transformant are described. The methods include exposing plant cells to Agrobacterium cells in a liquid medium containing a surfactant. Some methods include exposing the plant cells to continuous light after exposure to the Agrobacterium cells. Examples of plants useful with these methods include maize plants (e.g. immature maize embryos).

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: STRUCTURE FOR SIDE PORTION OF VEHICLE 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>	:B62D21/00 :NA :NA :NA :PCT/JP2011/076936 :22/11/2011 :WO 2013/076818 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)MORI Takeo
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a structure for a side portion of a vehicle body the structure reducing the weight and at the same time achieving required collision performance. A rocker member (3) is configured from an outer panel (11) an inner panel (12) which is disposed on the inside of the outer panel (11) in the width direction of the vehicle and a backup panel (13) which is disposed on the inside of the inner panel (12) in the width direction of the vehicle. A backup panel center protrusion (50) which protrudes inward in the width direction of the vehicle is provided on the center of the backup panel (13) in the front rear direction of the vehicle an outer panel bead center section (22) which is recessed inward in the width direction of the vehicle is formed in the outer panel (11) and an inner panel bead center section (39) which is recessed outward in the width direction of the vehicle is formed in the inner panel (12). As a result of the configuration the rigidity in the width direction of the vehicle is increased. Also an inner panel bead end section (44) which is recessed outward in the width direction of the vehicle is formed on the backup panel (13). As a result the rigidity in the front rear direction of the vehicle is increased.

No. of Pages: 58 No. of Claims: 12

(22) Date of filing of Application: 27/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : A METHOD OF MAKING SUBSTANTIALLY CONTINUOUS MEASUREMENTS IN A LIQUID METAL CLEANLINESS ANALYZER (LIMCA)

(51) International classification:G01N27/00(31) Priority Document No:60/550,998(32) Priority Date:04/03/2004(33) Name of priority country:Canada

(86) International Application No :PCT/CA2005/00 Filing Date :25/02/2005

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

(62) Divisional to Application Number :5048/DELNP/2006 Filed on :01/09/2006 (71)Name of Applicant: 1)NOVELIS INC.

Address of Applicant :70 York Street, Suit 1510 Toronto,

:Canada Ontario M5J 1S9, Canada, :PCT/CA2005/000274 (72)Name of Inventor :

1)Jacques MARCOTTE 2)Yuhil SLUSARENKO

#### (57) Abstract:

A method of making substantially continuous measurements in a Liquid Metal Cleanliness Analyzer (LiMCA) (10), having a body (18) of molten metal containing particles, electrically insulating wall means (16) having a passage (22) formed therein for passage of the molten metal, a first electrode (12) positioned on one side of the wall means and at least one additional electrode (14, 15) inserted in the molten metal on an opposite side of the wall means to the first electrode and voltage recording means (40, 46) connected between the first electrode and the at least one additional electrode, said method comprising: drawing molten metal in one direction through said passage to immerse said first electrode in molten metal; supplying current at an initial predetermined level to the first electrode and to the at least one additional electrode to create a current loop between the at least one additional electrode and the first electrode, said current loop generating a wanted pulse signal that is recorded by the voltage recording means, and wherein said current is supplied from an ultra-capacitor (50) via at least one voltage controlled resistor (58, 60) associated with the at least one additional electrode to rapidly re-adjust the current output to said predetermined level during the course of one measurement while said voltage recording means is temporarily prevented from recording the wanted pulse signal, thereby maintaining said supply of current at said predetermined level for a period of time required for said one measurement; and expelling molten metal in an opposite direction through said passage while recharging said ultra-capacitor.

No. of Pages: 12 No. of Claims: 1

(21) Application No.4281/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : NOVEL SOLAR MODULES SUPPORTING LAYER STACKS AND METHODS OF FABRICATING THEREOF

(51) International classification :H01L31/042,H01L31/18 (71)Name of Applicant : (31) Priority Document No 1)HOOD Thomas G. :61/561337 :18/11/2011 (32) Priority Date Address of Applicant :15 Aliso Way Portola Valley California (33) Name of priority country :U.S.A. 94028 U.S.A. (86) International Application No :PCT/US2012/059836 (72)Name of Inventor: Filing Date 1)HOOD Thomas G. :12/10/2012 (87) International Publication No :WO 2013/074224 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A solar cell supporting layer stack for mechanically supporting a solar cell is described. The solar cell includes: a rigid foam layer; one or more skin layers disposed adjacent to said rigid foam layer; and wherein said rigid foam layer and said one or more skin layers capable of providing mechanical support to said solar cell when said supporting layer stack is disposed adjacent to said solar cell.

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

(21) Application No.4059/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: FLUID FLOW CONTROL

(51) International classification :E21B43/26,E21B43/12,E21B34/08

(31) Priority Document No :NA

(32) Priority Date :NA(33) Name of priority country :NA

(86) International Application :PCT/US2011/065522

Filing Date :16/12/2011

(87) International Publication :WO 2013/089781

No

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

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

7.73 A1

(71)Name of Applicant:

1)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :10200 Bellaire Boulevard Houston

Texas 77072 U.S.A. (72)Name of Inventor: 1)FRIPP Michael Linley

2)DYKSTRA Jason D. 3)ZHAO Liang

4)LOPEZ Jean Marc

#### (57) Abstract:

Fluid flow influencer devices capable of affecting fluid flow for fluid selection are described. Fluid flow influencer devices may affect fluid flowing into a turbulence such as a vortex having a structure that is usable to restrict fluid flow in a flow path of a chamber by different amounts based on at least one property of the fluid. The fluid flow control device may be in an autonomous fluid selector such as a diverter a vortex causing device or a whisker. Fluid properties based on which the flow influencer device can select fluid can include fluid density fluid velocity fluid viscosity and Reynolds number of the fluid flow.

No. of Pages: 39 No. of Claims: 22

(21) Application No.4176/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CATALYSTS FOR IMPROVED CUMENE PRODUCTION AND METHOD OF MAKING AND USING SAME

(51) International classification :B01J29/04,B01J21/00,C07F7/08 (71)Name of Applicant: (31) Priority Document No 1)UOP LLC :13/471102 (32) Priority Date :14/05/2012 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/US2013/038992 1)JAN Deng Yang :01/05/2013 Filing Date (87) International Publication No:WO 2013/173060 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

An aromatic alkylation catalyst is presented. The aromatic alkylation catalyst comprised a zeolite an inorganic oxide and silanol functional groups of less than 0.65 area/mg on the surface of the catalyst.

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

(21) Application No.4177/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : IMPROVED ROBUSTNESS OF COKE BURNING FROM CATALYST FOR LIGHT PARAFFIN DEHYDROGENATION PROCESS

(51) International classification: B01J38/18,B01J38/20,B01J38/34 (71) Name of Applicant: (31) Priority Document No :13/424911 1)UOP LLC (32) Priority Date :20/03/2012 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/US2013/027842 1)EGOLF Bryan J. :27/02/2013 2)LEONARD Laura E. Filing Date 3)CARACOTSIOS Michael (87) International Publication :WO 2013/142012 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A process for a continuous regeneration of a catalyst wherein the regeneration section includes at least two separate zones. The regeneration includes an upper combustion zone and an lower combustion zone where the process utilizes at least two independent regeneration gas loops for control of the amount of oxygen to regenerate the catalyst. The upper combustion zone can be divided into multiple zones and the combustion zone can be divided into multiple zones.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: IMPROVED HCV VACCINES AND METHODS FOR USING THE SAME

(51) International classification	:A61K48/00,C07H21/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)THE TRUSTEES OF THE UNIVERSITY OF
(32) Priority Date	:NA	PENNSYLVANIA
(33) Name of priority country	:NA	Address of Applicant :3160 Chestnut Street Suite 200
(86) International Application No	:PCT/US2011/057182	Philadelphia PA 19104 6283 U.S.A.
Filing Date	:24/10/2011	2)INOVIO PHARMACEUTICALS INC.
(87) International Publication No	:WO 2013/062507	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)WEINER David
Number	:NA	2)LANG Krystle
Filing Date	.IVA	3)YAN Jian
(62) Divisional to Application Number	:NA	4)DRAGHIA AKLI Ruxandra
Filing Date	:NA	5)KHAN Amir

#### (57) Abstract:

Improved anti-HCV immunogens and nucleic acid molecules that encode them are disclosed. Immunogens disclosed include those having consensus HCV genotype 1a including for example NS4B, NS5A and NS5B. Pharmaceutical composition recombinant vaccines comprising and live attenuated vaccines are disclosed as well methods of inducing an immune response in an individual against HCV are disclosed.

No. of Pages: 56 No. of Claims: 15

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SWITCHGEAR BUS ASSEMBLY HAVING REDUCED POWER LOSS MATERIAL AND TEMPERATURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:H02B1/21 :13/288499 :03/11/2011 :U.S.A. :PCT/US2012/062910 :01/11/2012 :WO 2013/067086 :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC USA INC.  Address of Applicant: 1415 S. Roselle Road Palatine Illinois 60067 U.S.A. (72)Name of Inventor:  1)RODRIGUES Carlton R.  2)FISHER Mark J.  3)PASQUERILLA Nicholas 4)DIAZ Mauricio
(61) Patent of Addition to Application	:NA	3)PASQUERILLA Nicholas
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Electrical switchgear comprising electrical switching equipment for a multi -phase electrical power distribution system, a sup porting structure (20) for a bus assembly (10) for supplying electrical current to the switching equipment, and a plurality of spaced buses (11, 12, 13) mounted on the supporting structure each for connecting the switching equipment to respective phases of the multi-phase electrical power distribution system. Each bus comprises a plurality of substantially co-planar, spaced, elongated flat conductors (11, 12, 13) arranged with at least one longitudinal edge surface (LE) of each conductor in that bus opposed to and spaced from a longitudinal edge surface of an other conductor in that same bus, and a connector (41 ...49) at each end of said conductors for connecting the plurality of flat conductors in each bus to each other.

No. of Pages: 15 No. of Claims: 13

(21) Application No.4301/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: ROTOR FOR ROTATING ELECTRICAL MACHINE AND ROTATING ELECTRICAL MACHINE PROVIDED WITH SAID 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>	:H02K19/10 :NA :NA :NA :PCT/JP2011/077371 :28/11/2011 :WO 2013/080275 :NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)YAMADA Eiji
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#### (57) Abstract:

A rotor for a rotating electrical machine provided with an electronic device such as a diode around which a coil is wound and which is connected to the coil via a lead wire wherein the poor connection between the coil and the electronic device caused by centrifugal force is prevented. A rotating electrical machine is provided with: a shaft supported in a rotatable manner; a rotor core which is secured to the shaft and around which a coil is wound; and an electronic device which is disposed in a non parallel posture relative to the shaft so as to rotate along with the rotor core and has a main body having a rectification function and a terminal part electrically connected to the main body and in which a lead wire extending from the coil is connected to the terminal part. A connection part between the lead wire and the terminal part of the electronic device is disposed toward the inner diameter of the main body of the electronic device relative to the radial direction of the rotor core.

No. of Pages: 54 No. of Claims: 11

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : WELDING MATERIAL FOR NI BASED HEAT RESISTANT ALLOYS AND WELDED METAL AND MELDED JOINT EACH USING SAME

#### (57) Abstract:

A welding material for Ni based heat resistant alloys which has a chemical composition containing 0.06 0.18% of C 0.5% or less of Si 1.5% or less of Mn 45 55% of Ni 25 35% of Cr 7.0 13.0% of W more than 0.2% but 1.5% or less of Ti less than 0.1% of Al 0.002 0.20% of N and if necessary 1.0% or less of Nb with the balance made up of Fe and impurities that include 0.02% or less of O 0.008% or less of P and 0.005% or less of S. This welding material for Ni based heat resistant alloys exhibits excellent welding workability and high temperature cracking resistance during welding.

No. of Pages: 34 No. of Claims: 6

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: TRANSMISSION LINE PROTECTIVE RELAY 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>	:H02H3/26,H02H3/28 :2011-257703 :25/11/2011 :Japan :PCT/JP2012/007530 :22/11/2012 :WO 2013/076992 :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)KASE Takahiro
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A protective relay device for a three terminal transmission line comprising an A terminal a B terminal and a C terminal wherein if transmitting terminal information from the protective relay (Ry-C) for the C terminal to the protective relay (Ry-A) of one of the destination terminals (A terminal) for example in addition to the own terminal information Dc terminal information Dv transmitted from the protective relay (Ry-B) of the other destination terminal (B terminal) is transmitted. Similarly if transmitting terminal information from the protective relay (Ry-C) for the C terminal to the protective relay (Ry-B) for the B terminal in addition to information about the terminal Dc itself terminal information Da transmitted from the protective relay for the A terminal Ry A is transmitted.

No. of Pages: 84 No. of Claims: 6

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: COMPUTER SYSTEM FOR INSTRUCTING AN INTELLECTUAL PROPERTY (IP) FILING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F17/40 :2011904442 :26/10/2011 :Australia :PCT/AU2012/001307 :26/10/2012 :WO 2013/059874 :NA :NA :NA	(71)Name of Applicant:  1)INOVIA HOLDINGS PTY LTD  Address of Applicant: Suite 4 Level 1245 Clarence Street Sydney New South Wales 2000 Australia (72)Name of Inventor:  1)SIMPSON Justin Ryan 2)SELVARAJ John Wilfred Adaikalam
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#### (57) Abstract:

The present invention relates to computer systems for instructing an intellectual property (IP) filing in particular to a computer implemented system for automatically updating the status of an IP record in an IP database by clicking on an encoded URL.

No. of Pages: 24 No. of Claims: 18

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: CORE/SHELL STRUCTURED ELECTRODES FOR ENERGY STORAGE 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> </ul>	:G01R27/08 :13/309492 :01/12/2011 :U.S.A. :PCT/US2012/051824 :22/08/2012	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS LLC Address of Applicant: 2323 Eastern Blvd. Baltimore MD 21220 U.S.A. (72)Name of Inventor: 1)HETZEL Lawrence P.
(86) International Application No	:PCT/US2012/051824	(72)Name of Inventor:
(87) International Publication No	:WO 2013/081689	2)LIU Han
(61) Patent of Addition to Application Number	:NA :NA	3)FLEISCHER Corey Adam 4)BURGESS William Patrick
Filing Date (62) Divisional to Application Number	:NA	5)PENSERO Gergory F. 6)SHAH Tushar K.
Filing Date	:NA	

#### (57) Abstract:

An energy storage device can include at least one electrode that comprise a plurality carbon nanostructure (CNS) infused fibers in contact with an active material and an electrolyte.

No. of Pages: 31 No. of Claims: 36

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: EMAIL FILTERING BASED ON SOCIAL NETWORKING INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:25/10/2012 :WO 2013/074267 :NA :NA	(71)Name of Applicant: 1)GOOGLE INC. Address of Applicant:1600 Amphitheatre Parkway Mountain View CA 94043 U.S.A. (72)Name of Inventor: 1)KALLAYIL Gopinath Neelambaran
Filing Date	:NA	

#### (57) Abstract:

A system and machine implemented method for automatically generating an email filter based on social networking groups including receiving an indication of one or more social groups associated with a user wherein each of the one or more social groups is associated with the user's account in a social networking service determining using the one or more computing devices one or more contacts associated with each of the one or more social groups associated with the user at the social networking service determining using the one or more computing devices one or more email addresses corresponding to each of the one or more contacts generating an email filter according to the one or more email addresses and applying the generated email filter to an email list of a user.

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: SHAPE OPTIMIZED HEADERS AND METHODS OF MANUFACTURE 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</li></ul>	:F22B37/22,F16L41/08,F28F9/02 :NA :NA :NA :PCT/US2011/066425	1)ALSTOM TECHNOLOGY LTD Address of Applicant :Brown Boveri Strasse 7 CH 5400 Baden Switzerland (72)Name of Inventor:
Filing Date	:21/12/2011	1)PERRIN Ian James
(87) International Publication No	:WO 2013/095424	
<ul><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed herein is a shape optimized header (200) comprising a shell (202) that is operative for collecting a fluid; wherein an internal diameter and/or a wall thickness of the shell vary with a change in pressure and/or a change in a fluid flow rate in the shell (202); and tubes (204); wherein the tubes (204) are in communication with the shell (202) and are operative to transfer fluid into the shell (202). Disclosed herein is a method comprising fixedly attaching tubes to a shell; wherein the shell is operative for collecting a fluid; wherein an internal diameter and/or a wall thickness of the shell vary with a change in pressure and/or a change in a fluid flow rate in the shell; and wherein the tubes are in communication with the shell and are operative to transfer fluid into the shell.

No. of Pages: 23 No. of Claims: 18

(21) Application No.4194/DELNP/2014 A

1) CHEMTURA CORPORATION

Address of Applicant: 199 Benson Road Middlebury CT

(71)Name of Applicant:

(72)Name of Inventor:

06749 U.S.A.

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: WORKING FLUIDS COMPRISING DIFLUOROMETHANE AND DI PENTAERYTHRITOL ESTER

(51) International classification :C10M171/00,C10N30/00,C10N40/30

:NA

(31) Priority Document No :61/599004 (32) Priority Date :15/02/2012

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

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

NA
:NA
:NA
:NA

(57) Abstract:

Filing Date

country
(86) International
Application No
Filing Date
(87) International
Publication No
(61) Patent of Addition to

Mixtures of select neopentyl polyol esters are found to be highly miscible with the refrigerant R-32 over a wide temperature range. Working fluids are provided comprising R-32 and a polyol ester lubricant composition having a kinematic viscosity at 40°C of from 32 to 120 cSt said lubricant composition comprising C5-10 alkylcarboxy esters di pentaerythritol wherein at least 40 mol % typically more of the alkylcarboxylate groups of the alkylcarboxy esters are pentanoyl groups.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: SOUND SOURCE DETECTION DEVICE

(51) International :G01S3/808,B60R21/00,G01H17/00 classification

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/JP2011/077066

:24/11/2011 Filing Date

(87) International Publication :WO 2013/076843

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)TOYOTA JIDOSHA KABUSHIKI KAISHA

(21) Application No.4198/DELNP/2014 A

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

Japan

(72)Name of Inventor: 1)FUKAMACHI Hideo

2)KINDO Toshiki

#### (57) Abstract:

A sound source detection device for detecting a sound source to be detected on the basis of collected sound. This invention is characterized by collecting sound using at least one sound collector calculating the autocorrelation between sounds collected in chronological order by the sound collector and determining whether or not the sound source to be detected exists on the basis of the autocorrelation. In particular it is preferable to collect sound using two or more sound collectors and determine the presence of the sound source to be detected on the basis of whether or not the autocorrelation of the sound collected using two or more sound collectors satisfies a predetermined condition. Using autocorrelation in the detection of the sound source to be detected in this manner allows more robust results to be obtained in relation to the S/N ratio and detection performance to be improved for the sound source to be detected.

No. of Pages: 40 No. of Claims: 4

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ROBUST CONTROLLED RELEASE FORMULATIONS

(51) International (71)Name of Applicant: :A61K9/107,A61K47/10,A61K47/14 classification 1)CAMURUS AB (31) Priority Document No Address of Applicant :Ideon Gamma 1 Slvegatan 41 S 223 70 :61/566851 :05/12/2011 (32) Priority Date Lund Sweden (33) Name of priority (72)Name of Inventor: :U.S.A. 1)TIBERG Fredrik country (86) International 2)JOHNSSON Markus :PCT/EP2012/073843 Application No :28/11/2012 Filing Date (87) International :WO 2013/083460 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 compositions forming a low viscosity mixture of: a. at least one diacyl glycerol and/or at least one tocopherol; b. at least one phospholipid component comprising phospholipids having i. polar head groups comprising more than 50% phosphatidyl ethanolamine and ii. two acyl chains each independently having 16 to 20 carbons wherein at least one acyl chain has at least one unsaturation in the carbon chain and there are no more than four unsaturations over two carbon chains; c. at least one biocompatible oxygen containing low viscosity organic solvent; wherein optionally at least one bioactive agent is dissolved or dispersed in the low viscosity mixture; and wherein the pre formulation forms or is capable of forming at least one non lamellar liquid crystalline phase structure upon contact with an aqueous fluid. The invention further relates to methods of treatment comprising administration of such compositions and to pre filled administration devices and kits containing the formulations.

No. of Pages: 117 No. of Claims: 50

(21) Application No.4316/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: A METHOD TO ENHANCE COGNITION

(51) International :A61K39/395,A01N43/78,A61K38/00 classification

(31) Priority Document No :61/564371 (32) Priority Date :29/11/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/067078

Application No

:29/11/2012 Filing Date

(87) International

:WO 2013/082292 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)BAYLOR COLLEGE OF MEDICINE

Address of Applicant : Baylor College Of Medicine One

Baylor Plaza Houston TX 77030 U.S.A. 2)UNIVERSITY OF HOUSTON

(72)Name of Inventor:

1)COSTA MATTIOLI Mauro

2)ZHU Ping Jun 3)MAY Jeremey A.

# (57) Abstract:

Filing Date

The present invention concerns methods and compositions regarding suppression of double stranded RNA activated protein kinase (PKR) to enhance cognition in an individual. In specific cases an inhibitor of PKR is provided to the individual such that cognition is enhanced thereby including by enhancing memory for example. Kits are encompassed in certain embodiments.

No. of Pages: 79 No. of Claims: 24

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CONTAINER FOR CENTRIFUGAL SEPARATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:2020110010834 :06/12/2011 :Republic of Korea :PCT/KR2012/009379 :08/11/2012 :WO 2013/085151 :NA :NA	(71)Name of Applicant:  1)LEE Bum Ha  Address of Applicant:#106 1201 11 Sangam ro Gangdong gu Seoul 134 703 Republic of Korea  2)LEE Jung Min (72)Name of Inventor:  1)LEE Bum Ha  2)LEE Jung Min
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is a container for a centrifugal separator. The container for the centrifugal separator according to the present invention is characterized in that a supporting rib formed at a connection portion comes in contact with an inner circumference of an inserting hole or an inner circumference of a bucket of the centrifugal separator in which the container is inserted and supported although a lower cover coupled with a lower receiving portion of a body falls beyond a predetermined location. Therefore the container does not move in the radius direction even though the centrifugal separator rotates and thus is not damaged.

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

(21) Application No.4193/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : CHEMICAL SENSOR CHEMICAL SENSOR MODULE CHEMICAL SUBSTANCE DETECTOR AND METHOD FOR DETECTING CHEMICAL SUBSTANCE

## (57) Abstract:

To provide a method for detecting chemical substances a chemical substance detector a chemical sensor module and a chemical sensor provided with a spectral filter having exceptional spectral characteristics. [Solution] This chemical sensor is provided with a substrate and a plasmon absorption layer. Formed on the substrate is a photodetector. The plasmon absorption layer is laminated on the substrate and has a metallic nanostructure that has a plasmon absorption property.

No. of Pages: 55 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :28/05/2014

(21) Application No.4321/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: MOTOR VEHICLE DOOR 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 Filing Date</li> </ul>	:E05B65/12 :10 2011 120 882.1 :09/12/2011 :Germany :PCT/DE2012/001180 :06/12/2012 :WO 2013/083116 :NA :NA	(71)Name of Applicant:  1)KIEKERT AKTIENGESELLSCHAFT  Address of Applicant: Hseler Platz 2 42579 Heiligenhaus Germany (72)Name of Inventor:  1)GRAUTE Ludger
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#### (57) Abstract:

The invention relates to a motor vehicle door lock comprising at least one actuation lever (3) that is arranged in a lock housing (1, 2). Furthermore, a connection means (4, 5) is used for coupling the actuation lever (3) to an actuation element (6) arranged outside the lock housing (1, 2). Finally, an attachment element (2) is provided for mounting the connection means (4, 5) on the lock housing (1, 2). According to the invention, the attachment element (2) is designed as a partial housing (2) which can be combined with a main housing (1) to form the lock housing (1, 2) and which, in the mounted State, at least largely Covers an opening (7) in the main housing (1) as well as a joining zone (8) between the actuation lever (3) and the connection means (4, 5).

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

(21) Application No.4322/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: ICE BASED NAT TRAVERSAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H04L29/12 :NA :NA :NA :PCT/EP2012/050663 :17/01/2012 :WO 2013/107504	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)BLAU Staffan 2)PRZYBYSZ Hubert
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An Interactive Connectivity Establishment ICE based NAT traversal mechanism is described for use by originating/terminating P CSCF nodes (114a/114b) in an IMS network (105). The originating P CSCF node (114a) receives a SIP INVITE request from first user equipment (UE) (101) originating a call towards a second UE (103). If a relay candidate address for the first UE (101) is not present in the SIP INVITE request the SIP INVITE request is modified to include a first address provided by an originating IMS AGW node (115a) as a relay candidate for the first UE (101) and forwarded to the second UE (103). The originating P CSCF node (114a) receives a SIP INVITE response message from the second UE (103) in response to the SIP INVITE request. If a relay candidate address for the second UE (103) is not present in the SIP INVITE response the SIP INVITE response is modified to include a second address provided by an originating IMS AGW node (115a) as a relay candidate for the second UE (103) and forwarded to the first UE (101). The corresponding candidate address information is used by the both UEs (101 103) in ICE procedures. If a relay server is required then only the IMS AGW node (115a) is deployed.

No. of Pages: 55 No. of Claims: 18

(21) Application No.4323/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: LINE TRANSPORT DEVICE

(51) International classification :B65H51/10,B65H51/14,B65H57/28

(31) Priority Document No :01811/11 (32) Priority Date :11/11/2011 (33) Name of priority country:Switzerland

(86) International :PCT/IB2012/056307

Application No :PCT/IB2012/05630

Filing Date :09/

(87) International Publication :WO 2013/068988

(61) Patent of Addition to Application Number :NA

Application Number
Filing Date

(62) Divisional to

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

(71)Name of Applicant:

1)SCHLEUNIGER HOLDING AG

Address of Applicant :Bierigutstrasse 9 CH 3608 Thun

Switzerland

(72)Name of Inventor:

1)WORTMANN Thomas

# (57) Abstract:

The invention relates to a line transport device (22) for transporting electric or optical lines (1, 2), such as wires, cables, optical fibres, etc., along a conveying path (24), having a line conveying means (23) which has at least two pressure rollers (20, 21), between which the conveying path (24) runs, characterized in that, for the alternating conveying of two lines (1, 2), the line transport device (22) has at least one guide means (7, 8) which can be moved relative to the conveying path (24) and by way of which one line (1) can be moved into the conveying path (24) between the pressure rollers (20, 21) and by way of which another line (2) can be moved out of the conveying path (24) between the pressure rollers (20, 21).

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

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ELASTIC FIXING DEVICE FOR RAIL

(32) Priority Date :29/10/2011 TEC (33) Name of priority country :China (86) International Application No Filing Date :24/05/2012 (72)I	1)QINGDAO CREATE ENVIRONMENT CONTROL ECHNOLOGY CO. LTD.  Address of Applicant: 1 A 1801 No.153 Zhuzhou Road aoshan District Qingdao Shandong 266101 China 72)Name of Inventor:  1)YIN Xuejun
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(21) Application No.4201/DELNP/2014 A

#### (57) Abstract:

An elastic fixing device for rail comprises a base (1). The base (1) is disposed on a sleeper and fixedly connected to the sleeper by an anchor bolt. The elastic fixing device for rail comprises a guide assembly and a vertical supporting element. The guide assembly comprises a guide element (3) and a guide bracket (2) located on two sides of the rail web of a steel rail (9). The guide element (3) is disposed on the two sides of the rail web of the steel rail (9). The guide element (3) is clamped by the guide bracket (2). The guide element (3) is at least partially formed by an elastic polymer material and/or a metal spring. The steel rail (9) and the guide bracket (2) can move relative to each other through elastic deformation of the guide element (3). The rigidity of the guide element (3) along the lateral direction of the steel rail (9) is 2.5 times the rigidity thereof along the vertical direction the steel rail (9). The vertical rigidity of the vertical supporting element is not lower than the vertical rigidity of the guide element (3).

No. of Pages: 66 No. of Claims: 30

(21) Application No.4324/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date: 20/02/2015

### (54) Title of the invention: CABLE GATHERING DEVICE (WIRE STACKER)

(51) International

:H01R43/28,B21F11/00,B65G57/18

classification

(31) Priority Document No :01810/11

(32) Priority Date

:11/11/2011 (33) Name of priority country: Switzerland

(86) International Application :PCT/IB2012/056305

:09/11/2012 Filing Date

(87) International Publication: WO 2013/068986

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)SCHLEUNIGER HOLDING AG

Address of Applicant :Bierigutstrasse 9 CH 3608 Thun

Switzerland

(72)Name of Inventor:

1)WORTMANN Thomas

# (57) Abstract:

The invention relates to a cable gathering device (wire stacker) (12) for processing electrical or optical lines (8) such as wires cables line bundles and optical fibers comprising a platform (2) that can be tilted downward which platform has an accommodating region (2a) for accommodating one or more lines (8) after a processing step characterized in that the platform (2) has a removal region (2b) adjacent to the accommodating region (2a). Lines (8) located in the accommodating region (2a) can be brought into the removal region (2b) by tilting the platform (2) downward the lines (8) can be removed from the removal region and the lines (8) are retained in the removal region (2b) by retaining means (2d) in the tipped position of the platform (2).

No. of Pages: 16 No. of Claims: 15

(21) Application No.4325/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FRACTURING CALCIFICATIONS IN HEART VALVES

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
:U.S.A.

(86) International Application No :PCT/US2012/067812

Filing Date :05/12/2012 (87) International Publication No :WO 2013/085934

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

:A61B17/22,A61B17/221 (71)**Name of Applicant :** :61/566766 **1)PI R SQUARED LTD.** 

Address of Applicant :10 Plaut Street 76706 Rehovot Israel

(72)Name of Inventor: 1)GOLAN Erez

## (57) Abstract:

A device for fracturing calcifications in heart valves characterised by a stabilizer assembly and an impactor assembly assembled on and deployed by a delivery system wherein said delivery system is operable to cause relative motion between said impactor assembly and said stabilizer assembly with sufficient energy so as to fracture a calcification located in tissue which is sandwiched between said stabilizer assembly and said impactor assembly wherein said impactor assembly and said stabilizer assembly have shaped impact delivery portions of which the footprint on the valve leaflets is shaped in accordance with a shape of desired fracture sites.

No. of Pages: 32 No. of Claims: 12

(22) Date of filing of Application :28/05/2014

:NA

:NA

(43) Publication Date: 20/02/2015

# (54) Title of the invention : PRECURSOR PARTICLES OF LITHIUM COMPOSITE TRANSITION METAL OXIDE FOR LITHIUM SECONDARY BATTERY AND CATHODE ACTIVE MATERIAL CONTAINING SAME

(51) International (71)Name of Applicant: :H01M4/48,H01M4/525,H01M4/505 classification 1)LG CHEM LTD. (31) Priority Document No :1020120011113 Address of Applicant :20 Yoido dong Youngdungpo gu Seoul (32) Priority Date :03/02/2012 150 721 Republic of Korea (33) Name of priority (72)Name of Inventor: :Republic of Korea country 1)KANG Seong Hoon 2)PARK Byung Chun (86) International :PCT/KR2013/000712 Application No 3)SHIN Ho Suk :29/01/2013 Filing Date 4)PARK Sang Min (87) International 5)PARK Hong Kyu :WO 2013/115544 Publication No (61) Patent of Addition to :NA **Application Number** :NA

## (57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

The present invention relates to precursor particles of a lithium composite transition metal oxide for a lithium secondary battery and a cathode active material containing the same wherein the precursor particles of a lithium composite transition metal oxide are composite transition metal hydroxide particles containing two or more types of transition metals and having an average diameter of 1  $\mu$ m to 8  $\mu$ m and the composite transition metal hydroxide particles show a monodispersed diameter distribution and have a coefficient of variation of 0.2 0.7.

No. of Pages: 42 No. of Claims: 17

(21) Application No.4101/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: SLICING APPARATUS

(51) International classification :B26D3/28,B26D7/30,B26D7/00 (71)Name of Applicant :

(31) Priority Document No :61/566210 (32) Priority Date :02/12/2011

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

(86) International Application No:PCT/US2012/067180

Filing Date :30/11/2012 (87) International Publication No: WO 2013/082349

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)SEALED AIR CORPORATION (US)

Address of Applicant :200 Riverfront Boulevard Elmwood

Park NJ 07407 U.S.A.

(72)Name of Inventor:

1)SPERRY Charles R.

2)MCNAMARA Dennis F.

3)SALERNO Mark H. 4)SCOTT Suzanne M.

5)PIUCCI Vincent A.

6)SMITH Stephen D.

7)KOKE John

8)KROLL David M.

#### (57) Abstract:

An improved slicer having a reciprocating blade is disclosed. The use of a reciprocating blade allows the configuration and functionality of the slicer to be modified to address many of the deficiencies of current rotary slicers. The slicer operates without manual intervention and includes the capability to automatically stack the sliced products. In other words the food product to be sliced is placed on the slicer and the slicer automatically slices the food product and stacks the sliced product in a configuration that is presentable to the customer. In some embodiments the machine is designed to have certain zones that can be cleaned or replaced while the rest of the machine is never contaminated. In addition the reciprocating blade is inexpensive and easily replaceable thereby eliminating the need to sharpen the blade.

No. of Pages: 73 No. of Claims: 24

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING 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>	:B60C9/18 :1161364 :09/12/2011 :France :PCT/EP2012/071826 :05/11/2012 :WO 2013/083340 :NA :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 Cours Sablon F 63000 Clermont ferrand France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)BESSON Jacques  2)BARBARIN Fran§ois
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## (57) Abstract:

The invention relates to a tyre (1) comprising a crown reinforcement (4) formed by at least two working crown layers (41, 43) of reinforcing lments, a layer C of rubber mix being disposed between at least the ends of the at least two working crown layers (41, 43) and the crown reinforcement (4) comprising at least one layer (42) of circumferential reinforcing lments. According to the invention, the tensile modulus at 10% elongation of layer C is greater than 9 MPa and the maximum value of tan('), denoted tan(')max, of layer C is less than 0.100.

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

(21) Application No.4211/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HIGH PRESSURE AND TEMPERATURE VALVE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:61/577772	1)THE GATES CORPORATION
(32) Priority Date	:20/12/2011	Address of Applicant :(a Delaware Corporation) 1551
(33) Name of priority country	:U.S.A.	Wewatta Street Denver CO 80202 U.S.A.
(86) International Application No	:PCT/US2012/070878	(72)Name of Inventor:
Filing Date	:20/12/2012	1)COOK Colin Donald
(87) International Publication No	:WO 2013/096586	
(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 disclosure is directed to systems and methods which provide a seal less high temperature and pressure valve for use in many applications. It relates generally to hose testers.

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

(19) INDIA

(22) Date of filing of Application :23/05/2014

(21) Application No.4212/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: TRAIN POSITION DETECTION 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>	:2011-239801 :31/10/2011 :Japan :PCT/JP2012/077200 :22/10/2012 :WO 2013/065510 :NA :NA	(71)Name of Applicant:  1)THE NIPPON SIGNAL CO. LTD.  Address of Applicant: 5 1 Marunouchi 1 chome Chiyoda ku Tokyo 1006513 Japan (72)Name of Inventor:  1)TAKAHASHI Masahide
- 100	:NA :NA :NA	

## (57) Abstract:

This train position detection system comprises: an on board device (3) mounted to a train (2) that travels along a predetermined track (1); an onboard wireless unit (4) mounted to the train (2); a trackside wireless unit (6) which is installed at a predetermined position on the track (1) and which performs transmission and reception with the onboard wireless unit (4); a ground based device (7) which is connected to the trackside wireless unit (6); and an absolute position acquiring means which acquires the absolute position of the train (2) for each predetermined interval. The onboard device transmits absolute position information for the train (2) acquired by the absolute position acquiring means to the ground based device (7) via the ground wireless unit (4) and the trackside wireless unit (6) and the ground based device (7) detects the train position on the basis of the propagation time for radio waves between the onboard wireless unit (4) and the trackside wireless unit and corrects the detected train position on the basis of the absolute position information for the train (2) transmitted from the onboard device (3).

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: CONTINUITY ADDITIVE FOR POLYOLEFIN POLYMERIZATION PROCESSES

(51) International classification :C08F10/02,C08F2/00,C08F2/34 (71)Name of Applicant:

(31) Priority Document No :61/582321 (32) Priority Date :31/12/2011

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

(86) International Application No:PCT/US2012/070281

Filing Date :18/12/2012 (87) International Publication No: WO 2013/101541

(61) Patent of Addition to

:NA **Application Number** :NA

Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)UNIVATION TECHNOLOGIES LLC

Address of Applicant :5555 San Felipe Suite 1950 Houston

TX 77056 U.S.A.

(72)Name of Inventor:

1)SAVATSKY Bruce J.

2)KUO Chi i

3)PEQUENO R. Eric

4)PATEL Ghanshyam Ganu H.

5) HUSSEIN F. David

## (57) Abstract:

A polymerization process is disclosed including: polymerizing an olefin to form an olefin based polymer in a polymerization reactor; and introducing a hindered amine light stabilizer to the polymerization reactor. The process may further comprise monitoring static in the polymerization reactor, maintaining the static at a desired level by use of a hindered amine light stabilizer the hindered amine light stabilizer present in the reactor in the range from about 0.1 to about 500 ppmw based on the weight of polymer produced by the process.

No. of Pages: 44 No. of Claims: 20

(21) Application No.4208/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: TREAD COMPRISING OBLIQUE BLOCKS

(51) International classification: B60C11/11,B60C11/12,B60C1/00 (71)Name of Applicant:

(31) Priority Document No :1162261 (32) Priority Date :22/12/2011

(33) Name of priority country: France (86) International Application :PCT/EP2012/076115

:19/12/2012 Filing Date :WO 2013/092688

(87) International Publication

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

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

1)COMPAGNIE GENERALE DES ETABLISSEMENTS

MICHELIN

Address of Applicant :12 Cours Sablon F 63000 Clermont

FERRAND France

2)MICHELIN RECHERCHE ET TECHNIQUE S.A.

(72)Name of Inventor: 1)KANEKO Shuichi

## (57) Abstract:

The invention relates to a tread made of a rubber material for a tire for winter driving. Said tread includes a plurality of blocks (3) having a height H each block comprising a contact surface (7) which is to contact the ground when the tire is rolling and at least one side surface (5a 5b) said side surface being covered with a layer (10) of a covering material over at least 50% of the surface thereof. The block comprises a leading area for firstly contacting the ground while the tire is rolling and said block (3) has a direction (J) of oblique extension such that the leading area of said block is a leading corner (9). The block (3) further comprises a portion (11) that is not covered by the covering material said covering material having an elastic modulus that is greater than the elastic modulus of the rubber material constituting the block said uncovered portion (11) extending from the leading corner over at least a third of the height H of the block.

No. of Pages: 17 No. of Claims: 4

(21) Application No.4209/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: STEEL CORD WITH FULL ELASTOMER PENETRATION

(51) International classification	:D07B1/06,D07B7/02	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2012/070520	1)NV BEKAERT SA
(32) Priority Date	:18/01/2012	Address of Applicant :Bekaertstraat 2 B 8550 Zwevegem
(33) Name of priority country	:China	Belgium
(86) International Application No	:PCT/EP2012/075247	(72)Name of Inventor:
Filing Date	:12/12/2012	1)ZHANG Qinxia
(87) International Publication No	:WO 2013/107570	2)LIU Xing
(61) Patent of Addition to Application	:NA	3)ZHU Hongzhen
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A steel cord (10) adapted for the reinforcement of elastomers comprises a first group and a second group the second group being helically twisted around the first group with a cord twisting step the first group comprising a first number of first steel filaments (12) the first number ranging between three and eight the second group comprising a second number of second steel filaments (14) the second number being equal to or greater than the first number the first filaments having a twisting step greater than 300mm both the first steel filaments (12) and the second steel filaments (14) being preformed. The steel cord has a PLE at a tensile tension of 50 Newton between 0.08% and 0.25%. This steel cord has measurable deformation to achieve full elastomer penetration but also maintains the process ability and functionality for elastomer reinforcement.

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

(22) Date of filing of Application :28/05/2014

(43) Publication Date: 20/02/2015

(54) Title of the invention: HOT ROLLED STEEL SHEET FOR NITRIDING AND COLD ROLLED STEEL SHEET FOR NITRIDING WITH EXCELLENT FATIGUE STRENGTH AND MANUFACTURING METHOD THEREFOR AS WELL AS AUTOMOBILE PARTS OF EXCELLENT FATIGUE STRENGTH USING SAME

(51) International classification :C22C38/00.B21B1/22.B21B3/00 (71)Name of Applicant:

:19/11/2012

:WO 2013/077298

(31) Priority Document No :2011-253677 (32) Priority Date :21/11/2011 (33) Name of priority country :Japan

:PCT/JP2012/079991

(86) International Application No

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)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

1)SAKURADA Eisaku 2)HIWATASHI Shunji 3)HAYASHI Kunio 4)SUZUKI Shinichi

(57) Abstract:

A hot-rolled steel sheet for nitriding or a cold-rolled steel sheet for nitriding excellent in fatigue strength contains a steel particularly containing appropriate amounts of Cr. V, and B, in which a dislocation density within 50 um in the sheet thickness direction from the surface is not less than 2.0 times nor more than 10.0 times as compared to a dislocation density at the position of 1/4 in the sheet thickness direction, its manufacturing method includes: on a hot-rolled steel sheet or a cold-rolled steel sheet having the previously described components, performing pickling; and then performing skin pass rolling under the condition that a reduction ratio is 0.5 to 5.0% and FIT, being a ratio of a line load F (kg/mm) of a rolling mill load divided by a sheet width of the steel sheet and a load T (kg/mm2) per unit area to be applied in the longitudinal direction of the steel sheet, is 8000 or more, and further an automobile part is that the hot-rolled steel sheet or the cold-rolled steel sheet is formed to be nitriding treated.

No. of Pages: 42 No. of Claims: 5

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CATALYST RECOVERY USING AQUEOUS HYDROGEN IODIDE AND ACETIC ACID

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B01J38/48 :61/580759 :28/12/2011 :U.S.A.	(71)Name of Applicant: 1)EASTMAN CHEMICAL COMPANY Address of Applicant: 200 South Wilcox Drive Kingsport TN 37660 U.S.A.
(33) Name of priority country	:U.S.A.	37660 U.S.A.
(86) International Application No		(72)Name of Inventor:
Filing Date	:29/12/2011	1)STEINHOFF Bradley Alan
(87) International Publication No	:WO 2013/101015	2)MOORE Chad
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Methods are provided for recovering catalyst values from liquids containing catalyst and tar by combining the liquids with one or more aqueous solutions containing acetic acid and/or hydrogen iodide.

No. of Pages: 39 No. of Claims: 20

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: PROCESS STATION OF DEVICES FOR CONVEYING BIOLOGICAL PRODUCT 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> <li>(86) International 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>	:G01N35/04 :MI2011A002082 :16/11/2011 :Italy :PCT/EP2012/072518 :13/11/2012 :WO 2013/072318 :NA :NA	(71)Name of Applicant:  1)INPECO HOLDING LTD.  Address of Applicant: B2 Industry Street Qormi QRM 3000  Malta (72)Name of Inventor:  1)PEDRAZZINI Gianandrea
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is described a process station (1) of devices (3, 31, 32, 35-37) for conveying biological product containers (4) comprising a main lane (2) for the flow of said conveying devices (3, 31, 32, 35-37) and a secondary lane (5) for the flow of said conveying devices (3, 31, 32, 35-37) connected to each other by connection stretches (7a, 7b). Said process station (1) comprises a diverting unit (20) of said conveying devices (3, 31, 32) from said main lane (2) to said secondary lane (5) and a return unit (30) of said conveying devices (3, 35-37) from said secondary lane (5) to said main lane (2), said diverting (20) and return units (30) being provided with means (6, 9, 10, 11a, 11b, 13) adapted to allow the continuous flow without stop of said conveying devices (3, 31, 32, 35-37) between said main lane (2) and said secondary lane (5).

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

(21) Application No.4217/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: THERAPEUTIC AGENTS COMPRISING INSULIN AMINO ACID SEQUENCES

(51) International :A61K38/28,A61K38/00,C07H21/04 classification (31) Priority Document No :61/563985 (32) Priority Date :28/11/2011 (33) Name of priority :U.S.A. country (86) International :PCT/US2012/066795 Application No :28/11/2012

Filing Date

(87) International Publication: WO 2013/082116

(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)PHASEBIO PHARMACEUTICALS INC.

Address of Applicant: One Great Valley Parkway Suite 30

Malvern Pennsylvania 19355 U.S.A.

(72)Name of Inventor: 1)JOWETT James 2)WOODS Christopher

## (57) Abstract:

The present invention relates in part to agents which provide slow absorption from an injection site. In some embodiments, the pharmaceutical compositions comprises an insulin amino acid sequence and an amino acid sequence that provide slow absorption from an injection site, such as, for example, an amino acid sequence that has a substantially repeating pattern of proline residues.

No. of Pages: 76 No. of Claims: 34

(22) Date of filing of Application :23/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : USING A MOBILE WALLET INFRASTRUCTURE TO SUPPORT MULTIPLE MOBILE WALLET PROVIDERS

<ul> <li>(51) International classification</li> <li>(31) 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>	:G06Q20/00 :61/562301 :21/11/2011 :U.S.A. :PCT/US2012/066013 :20/11/2012	(71)Name of Applicant:  1)MOZIDO INC.  Address of Applicant:1601 South Mopac Expressway Barton Skyway Two Suite 200 Austin Texas 78746 U.S.A. (72)Name of Inventor:  1)LIBERTY Michael A.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2013/078176 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments are directed to performing a transaction using a third party mobile wallet performing a transaction using a third party point of sale (POS) system and to making a purchase from a third party mobile wallet provided by a third party mobile wallet provider. In one scenario a cloud based transaction platform is provided which receives communication from an agent terminal over a communication channel connected to the cloud based transaction platform. The agent communication indicates that a customer desires to perform a mobile wallet transaction using their third party mobile wallet. The cloud based transaction platform sends the agent communication to a third party mobile wallet platform receives communication from the third party mobile wallet platform confirming processing of the transaction and sends communication to the agent terminal over a communication channel connected to the cloud based transaction platform where the communication indicates confirmation of the processing of the transaction.

No. of Pages: 51 No. of Claims: 20

(21) Application No.4219/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: STABILIZED CONCENTRATED LIQUID HUMAN MILK FORTIFIER

(51) International classification :A23L1/0522,A23L1/29,A23L1/305

(31) Priority Document No :61/581634

(32) Priority Date :30/12/2011
(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/067589

Filing Date :03/12/2012

(87) International Publication :WO 2013/101401

(61) Patent of Addition to :NA

Application Number
Filing Date

((2) Divisional to Application

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant:

1)ABBOTT LABORATORIES

Address of Applicant :100 Abbott Park Road Abbott Park IL

60064 3500 U.S.A. (72)**Name of Inventor :** 

1)VURMA Mustafa 2)KONUKLAR Gul

(57) Abstract:

Disclosed are shelf stable concentrated liquid human milk fortifiers including extensively hydrolyzed casein. The long term shelf stable concentrated liquid human milk fortifiers include octenyl succinic acid (OSA) modified waxy potato starch as a stabilizer.

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

(21) Application No.4341/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: PASSBOOK HANDLING DEVICE

(51) International classification	:G07D9/00,G06Q40/02	(71)Name of Applicant:
(31) Priority Document No	:2011270454	1)HITACHI OMRON TERMINAL SOLUTIONS CORP.
(32) Priority Date	:09/12/2011	Address of Applicant :6 3 Osaki 1 chome Shinagawa ku
(33) Name of priority country	:Japan	Tokyo 1418576 Japan
(86) International Application No	:PCT/JP2012/070070	(72)Name of Inventor:
Filing Date	:07/08/2012	1)MAEKAWA Hideki
(87) International Publication No	:WO 2013/084540	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	,11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a passbook handling device which does not soil a device for reading a barcode or a cover of a passbook. The present invention is a passbook handling device for handling passbooks and the like for which magnetic identification information and other identification information different from the magnetic identification information have been attached to a cover side thereof the passbook handling device being provided with a magnetic reading mechanism unit for reading the magnetic identification information a reading mechanism unit for reading the other identification information a movement mechanism unit which moves the magnetic reading mechanism unit and the reading mechanism unit in a direction for reading the magnetic identification information or the other identification information a guide mechanism unit for disposing the magnetic reading mechanism unit so as to be spaced apart from the passbook or the like and a control unit which moves the magnetic reading mechanism unit along the guide mechanism unit so as not to come into tactile contact with the passbook or the like when the reading mechanism unit reads the other identification information.

No. of Pages: 35 No. of Claims: 8

(21) Application No.4233/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : USE OF AN ANTI A SYNUCLEIN ANTIBODY TO DIAGNOSE AN ELEVATED LEVEL OF A SYNUCLEIN IN THE BRAIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G01N33/53,A61K39/395 :61/554924 :02/11/2011 :U.S.A. :PCT/US2012/062430 :29/10/2012 :WO 2013/066818 :NA :NA	(71)Name of Applicant:  1)BIOGEN IDEC INTERNATIONAL NEUROSCIENCE GMBH  Address of Applicant: Wagistrasse 13 CH 8952 Schlieren Switzerland (72)Name of Inventor:  1)WEIHOFEN Andreas 2)ENGBER Thomas 3)GRIMM Jan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This disclosure relates to the use of anti-a-synuclein antibody to diagnose an elevated level of a-synuclein in the brain. Specifically, the disclosure relates to the method of assessing the levels of a-synuclein in a blood plasma or CSF following administration to the test subject of an anti-a-synuclein antibody or antigen-binding fragment thereof, which can bind a-synuclein with sufficient activity to alter the net efflux of a-synuclein from brain to blood, or from brain to CSF.

No. of Pages: 67 No. of Claims: 32

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR COMMUNICATING INFORMATION FROM A SMART POINT OF SALE TERMINAL

(51) International classification	:G06Q20/00	(71)Name of Applicant :
(31) Priority Document No	:13/285175	1)CITIBANK N.A.
(32) Priority Date	:31/10/2011	Address of Applicant :399 Park Avenue New York NY 10022
(33) Name of priority country	:U.S.A.	U.S.A.
. , 1		(72)Name of Inventor:
(86) International Application No		
Filing Date	:31/10/2012	1)HOLLANDER Eran
(87) International Publication No	:WO 2013/066982	2)KESE Andrew John
(61) Patent of Addition to Application	:NA	3)JUBINSKI Carrie
Number	:NA	4)CARROLL Nicole
Filing Date		5)LINDEMANN Allison
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and systems for communicating information from a specially programmed smart point of sale terminal involve receiving transaction information at the terminal recognizing that the transaction relates to a redemption function adjusting the transaction amount accordingly and routing an approval request for the adjusted amount to a card issuer processor via a card association transaction processing network. In another aspect information is received at the terminal which recognizes that the information relates to a third party function and routes a message to the third party processor via a merchant acquirer processor while bypassing the card association transaction processing network. Thereafter the third party processor performs the third party function and returns a message related at least in part to the performance of the third party function to the smart point of sale terminal processor via the merchant acquirer processor.

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : GLUCOMANNAN SCAFFOLDING FOR THREE DIMENSIONAL TISSUE CULTURE AND ENGINEERING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12N5/00 :61/564553 :29/11/2011 :U.S.A. :PCT/US2012/066982 :29/11/2012 :WO 2013/082239 :NA :NA :NA	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  Address of Applicant:1111 Franklin Street 12th Floor Oakland California 94607 5200 U.S.A. (72)Name of Inventor:  1)LEE C. Chang I.
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#### (57) Abstract:

The present invention provides a neutralized glucomannan scaffold capable of promoting cell growth and suitable for three dimensional tissue culture and engineering. The present invention also provides methods for making and degrading the neutralized glucomannan scaffold. The present invention further provides a method of growing cells on a neutralized glucomannan scaffold.

No. of Pages: 34 No. of Claims: 29

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: PEDAL VALUATOR ARRANGEMENT

(51) International classification	:B60K26/02	(71)Name of Applicant:
(31) Priority Document No	:102011087580.8	1)ROBERT BOSCH GMBH
(32) Priority Date	:01/12/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/070315	(72)Name of Inventor:
Filing Date	:12/10/2012	1)HLAVKA Milos
(87) International Publication No	:WO 2013/079249	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a pedal valuator arrangement (1) for a motor vehicle comprising an accelerator pedal (2) that can be pivoted between a starting position and an end position a bearing (9) for the accelerator pedal (2) at least one resilient element (11) in particular a spring (12) which applies a restoring force to the accelerator pedal (2) in the direction of the starting position in order to move the accelerator pedal (2) towards the starting position. The pedal valuator arrangement (1) further comprises a device (4) for generating a friction hysteresis on the accelerator pedal (2) the device (4) comprising a first friction element (5) having a first friction surface (6) preferably having a circular segmented cross section and comprising a second movable friction element (7) having a circular segmented cross section which is in mechanical operative connection with the accelerator pedal (2). The first and the second friction surface (6 8) are positioned on top of one another so that due to a relative movement between the first and the second friction surface (6 8) a friction force can be generated wherein the first friction surface (6) exhibits an increasing distance from the rotational axis (19) of the second friction element (7) in particular relative to a rotational direction of the second friction element (7) in the direction of the end position. The greater the distance of the first friction surface (6) that can be generated is.

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

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS AND ARRANGEMENTS FOR REFERENCE SIGNAL MEASUREMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H04B17/00 :61/560531 :16/11/2011 :U.S.A. :PCT/SE2012/051246 :13/11/2012 :WO 2013/074025 :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)J-NGREN George 2)SORRENTINO Stefano 3)CUI Tao
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#### (57) Abstract:

Embodiments are disclosed which improve the accuracy of measurement quantities obtained based on filtered measurements by enabling filter memory reset events triggered by specific configuration and/or reconfiguration commands. According to some embodiments a method for obtaining a measurement quantity is provided. The measurement quantity is based on a filtered reference signal (RS) measurement value. The method is executed in a wireless device e.g. a user equipment (UE). According to the method the wireless device receives (1410) a filter reset indication. In response to the indication the wireless device resets (1420) one or more RS measurement filters. The wireless device then obtains (1430) a new filtered RS measurement value and obtains (1440) the measurement quantity based on the new filtered RS measurement value.

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

(22) Date of filing of Application: 29/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention : SYMBIOTIC STRAIN CORYNEBACTERIAE DIPHTHERIAE TOX-N108 USED FOR THE PREPARATION OF AN IMMUNOMODULATOR

(51) International classification: C12N1/20,A61K39/05,C12R1/16 (71)Name of Applicant: (31) Priority Document No 1)SHMELEVA Elena Alexandrovna :2011145209 (32) Priority Date :09/11/2011 Address of Applicant :ul. 3 ya Tverskaya Yamskaya 52 30 (33) Name of priority country Moscow 125047 Russia :Russia (86) International Application (72)Name of Inventor: :PCT/RU2012/000913 1)SHMELEVA Elena Alexandrovna :08/11/2012 Filing Date (87) International Publication :WO 2013/095189 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention relates to bioengineering. The symbiotic strain Corynebacterium diphtheriae tox No. 108 was isolated from a bacteria-carrying angina patient in Clinical Hospital for Infectious Diseases No. 1, Moscow. The strain is harmless, nonreactogenic, does not have any allergic properties, and the antigens of the strain increase the resistance of a macroorganism to infectious diseases. The strain Corynebacterium diphtheriae tox No. 108 hasbeen deposited in the State Collection of Microorganisms of Normal Microflora (SCNM) of the Federal Budgetary Institute for Science G.N. Gabrichevskii Moscow Scientific and Research Institute for Epidemiology and Microbiology [MNIIEM] of the Federal Inspectorate Service for Consumer Rights Protection and Personal Welfare [Rospotrebnadzor] under No. 381. The invention makes it possible to produce nonspecific resistance in agricultural animals to infectious diseases of a bacterial or viral nature, which makes it possible to reduce the illness rate in agricultural animals, to reduce the use of other medicinal preparations, including reactogenic vaccines and antibiotics which result in sensitisation of an organism, secondary immunodeficiencies, disorders of the microecology of the intestine (dysbiosis) and an increase in the density of circulation of highly pathogenic, antibiotic-resistant strains of microorganisms.

No. of Pages: 19 No. of Claims: 1

(21) Application No.4365/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : STRENGTHENED GLASS AND GLASS LAMINATES HAVING ASYMMETRIC IMPACT RESISTANCE

(51) International :B32B17/10,C03C17/00,C03C21/00

classification

(31) Priority Document No :61/563074 (32) Priority Date :23/11/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/064923

Filing Date :14/11/2012

(87) International Publication :WO 2013/078039

No
(61) 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)CORNING INCORPORATED

Address of Applicant : 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor:

1)BAREFOOT Kristen Lorraine

2)BAYNE John Frederick 3)CITES Jeffrey Scott 4)HART Shandon Dee 5)MOORE Michael John

6)PRICE James Joseph

(57) Abstract:

Embodiment of a strengthened glass laminate comprise at least one layer of strengthened glass having a first surface and a second surface disposed opposite the first surface and one or more coatings adhered to the first surface of the strengthened glass wherein the one or more coatings impart an asymmetric impact resistance to the glass laminate.

No. of Pages: 21 No. of Claims: 30

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PREDICTION VISUALIZATION AND CONTROL OF DRUG DELIVERY BY INFUSION PUMPS

(51) International classification	:A61M5/42,G06F19/00	(71)Name of Applicant:
(31) Priority Document No	:61/563418	1)THE GENERAL HOSPITAL CORPORATION
(32) Priority Date	:23/11/2011	Address of Applicant :55 Fruit Street Boston MA 02114
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/066019	(72)Name of Inventor:
Filing Date	:20/11/2012	1)PETERFREUND Robert A.
(87) International Publication No	:WO 2013/078179	2)PARKER Michael J.
(61) Patent of Addition to Application	:NA	3)SIMS Nathaniel M.
Number	:NA	4)LOVICH Mark A.
Filing Date	.1171	5)DEMONACO Harold J.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems for predicting a drug delivery profile as described herein include at least one drug pump and/or a controllable valve that produce a drug flow. The drug pump and/or controllable valve dispense at least a first drug. The system also includes at least one carrier fluid pump and/or another controllable valve that produces a carrier fluid flow a flow junction structure configured to receive the drug flow and the carrier fluid flow to produce a mixed flow and a fluid path for carrying the mixed flow between the flow junction structure and a delivery point. The system further includes a processing device configured to predict the drug delivery profile at the delivery point based on determining a predicted time variation of drug concentration at the delivery point using at least a model of the mixed flow. The model includes a plurality of parameters related to propagation of the mixed flow through the fluid path.

No. of Pages: 76 No. of Claims: 39

(21) Application No.4275/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SURFACE ACOUSTIC WAVE SENSOR

(51) International classification	:G01N29/02,G01N29/00,G01N29/24	(71)Name of Applicant: 1)JAPAN RADIO CO. LTD.
(31) Priority Document No	:2011-240492	Address of Applicant :1 1 Shimorenjaku 5 chome Mitaka shi
(32) Priority Date	:01/11/2011	Tokyo 1818510 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor : 1)KOGAI Takashi
(86) International Application No Filing Date	:PCT/JP2012/078338 :01/11/2012	2)YATSUDA Hiromi
(87) International Publication No	:WO 2013/065789	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This surface acoustic wave sensor is provided with: a piezoelectric element which propagates surface acoustic waves; electrodes which perform conversion between electrical signals and surface acoustic waves; and a porous base material which is in contact with the piezoelectric element and is infiltrated with a liquid.

No. of Pages: 98 No. of Claims: 29

(21) Application No.4276/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : AN APPARATUS AND METHOD FOR NAVIGATING ON A TOUCH SENSITIVE SCREEN 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> </ul>	:G06F3/048 :NA :NA :NA :PCT/EP2012/054334 :13/03/2012 :WO 2013/135270 :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)ANDERSSON Ola 2)SKOG Robert
1 (61110-61		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a method and apparatus (100) such as a portable electronic device for navigating on a touch sensitive screen (110) of the apparatus (100). The method comprises sensing the amount of pressure exerted on the touch sensitive screen (100) by means of a pressure sensor (140). A pressure signal indicative of the exerted amount of pressure is generated. The pressure signal is then used to trigger navigation in a z direction i.e. a direction perpendicular to the plane of the touch sensitive screen if the pressure signal is above a predetermined threshold.

No. of Pages: 22 No. of Claims: 16

(21) Application No.4277/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS AND APPARATUS FOR NETWORK PROTECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L12/28 :NA :NA :NA :PCT/CN2012/070460 :17/01/2012 :WO 2013/106992 :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)ZHOU Yaping 2)LIU Junhui
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## (57) Abstract:

The present disclosure relates to a network protection scheme. In one embodiment there provides a method for network protection including the steps of: detecting a switch indicator in a network; setting a rate limit of storm protection which is of a first value as a second value the second value being higher than the first value; and performing a flush operation of a Forwarding DataBase FDB.

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

(21) Application No.4278/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PERSONAL SPIROMETER

(51) International classification	:A61B5/09,A63B23/18,G01F1/10	(71)Name of Applicant:
(31) Priority Document No	:61/555235	1)PMD HEALTHCARE
(32) Priority Date	:03/11/2011	Address of Applicant :6620 Grant Way Allentown PA 18106
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No Filing Date	:PCT/US2012/063551 :05/11/2012	<ul><li>(72)Name of Inventor:</li><li>1)MENG Wayne</li><li>2)STRAUB Glenn Allen</li></ul>
(87) International Publication No	:WO 2013/067495	3)ROEHNER William John 4)CRAWN Paul Meredith
<ul><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A spirometer for correlating test results with other user date to indicate a relationship said spirometer comprising: (a) a processor; (b) memory operatively connected to said processor and configured with instruction to instruct the processor to perform the following steps: (i) recording spirometer results of a user; (ii) correlating said results with user data said user data comprising at least one of a medication log a medical diary a baseline performance for said user provided by a healthcare provider or other results from other testing devices; and (iii) indicating a relationship between said results and said user data.

No. of Pages: 59 No. of Claims: 55

(19) INDIA

(22) Date of filing of Application: 27/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SUBSTITUTED ANILINES AS CCR(4) ANTAGONISTS

(51) International :C07D211/56,C07D211/62,C07D401/04 classification

(31) Priority Document

No

:61/565968

(32) Priority Date (33) Name of priority :01/12/2011

country

:U.S.A. (86) International

Application No

:PCT/US2012/067385 :30/11/2012

Filing Date (87) International

:WO 2013/082490

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) CHEMOCENTRYX INC.

(21) Application No.4279/DELNP/2014 A

Address of Applicant :850 Maude Avenue Mountain View

California 94043 U.S.A. (72)Name of Inventor:

1)CHARVAT Trevor T.

2)FAN Junfa

3)LANGE Christopher W.

4)LELETI Manmohan Reddy

5)LI Yandong

6)MALI Venkat Reddy

7)MCMAHON Jeffrey P.

8)POWERS Jay

9)PUNNA Sreenivas

10)YANG Ju

## (57) Abstract:

Aniline compounds are provided which bind to CCR(4) and are useful for the treatment of diseases such as allergic diseases autoimmune diseases graft rejection and cancer.

No. of Pages: 90 No. of Claims: 31

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ELEVATED CONVERTING MACHINE WITH OUTFEED GUIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B31B1/00 :61/558298 :10/11/2011	(71)Name of Applicant: 1)PACKSIZE LLC Address of Applicant:6440 South Wasatch Boulevard Salt
(33) Name of priority country (86) International Application No Filing Date	:09/11/2012	Lake City UT 84121 U.S.A. (72)Name of Inventor: 1)PETTERSSON Niklas
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2013/071080 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system that converts fanfold material into packaging templates includes a converting assembly that performs conversion functions such as cutting creasing and scoring on the fanfold material as the fanfold material moves through the converting machine in a first direction. The converting assembly may be mounted on a frame such that the converting assembly is elevated above a support surface. An outfeed guide may change the direction of movement of the fanfold material from the first direction to a second generally vertical direction after the converting assembly has performed the conversion functions on the fanfold material.

No. of Pages: 34 No. of Claims: 64

OIL

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention : PROCESS FOR REMOVING REFRACTORY NITROGEN COMPOUNDS FROM VACUUM GAS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Publication No Filing Date (62) Divisional to Application Number Filing Date (53) International Publication No Filing Date (54) International Publication No Filing Date (55) International Classification Filing Date (51) International Application No 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)MEZZA Beckay J.
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## (57) Abstract:

A process for removing a refractory nitrogen compound from a hydroprocessed vacuum gas oil feed includes contacting the hydroprocessed vacuum gas oil feed comprising the nitrogen compound with a VGO immiscible phosphonium ionic liquid to produce a hydroprocessed vacuum gas oil and VGO immiscible phosphonium ionic liquid mixture and separating the mixture to produce a hydroprocessed vacuum gas oil effluent having a reduced refractory nitrogen compound content relative to the vacuum gas oil feed.

No. of Pages: 22 No. of Claims: 10

(21) Application No.4376/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: COMMON RAIL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

(51) International :F02M63/02,F02D41/30,F02D41/38 classification

(31) Priority Document No :10 2012 200 764.4

(32) Priority Date :19/01/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/050262

:09/01/2013 Filing Date

(87) International Publication :WO 2013/107671 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) CONTINENTAL AUTOMOTIVE GMBH

Address of Applicant: Vahrenwalder Strae 9 30165 Hannover

Germany

(72)Name of Inventor:

1)SCHMIDBAUER Thomas

# (57) Abstract:

The invention relates to a common rail injection system (100) for an internal combustion engine having a high pressure pump (500) a distributor pipe (600) and at least one injector (700) wherein the high pressure pump delivers fuel for operating the internal combustion engine (800) to the distributor pipe. The fuel can be injected into a combustion chamber of the internal combustion engine via the at least one injector fluidly connected to the distributor pipe. The system is characterised in that the injection system has an inlet valve (400) which is arranged fluidly upstream of the high pressure pump and which allows the fuel flow to the high pressure pump to be selectively interrupted for individual delivery cycles of the high pressure pump.

No. of Pages: 21 No. of Claims: 11

(21) Application No.4377/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : CAPSULE FORMULATION OF PIRFENIDONE AND PHARMACEUTICALLY ACCEPTABLE EXCIPIENTS

(51) International classification :A 61 K 9/48 (71)Name of Applicant: (31) Priority Document No 1)INTERMUNE, INC. :NA (32) Priority Date Address of Applicant :3280 BAYSHORE BOULEVARD, (33) Name of priority country BRISBANE, CALIFORNIA 94005, UNITED STATES OF (86) International Application No :PCT/US2006/037057 AMERICA, U.S.A. Filing Date (72)Name of Inventor: :22/09/2006 (87) International Publication No :WO 2007/038315 1)RAMACHANDRAN RADHAKRISHNAN (61) Patent of Addition to Application 2)RONALD VLADYKA :NA Number 3)KENNETH SULTZBAUGH :NA Filing Date

:2238/DELNP/2008

:22/09/2006

(57) Abstract:

Filed on

A capsule formulation of pirfenidone is provided that includes pharmaceutically acceptable excipients. In one embodiment, this capsule formulation is capable of sustaining desirable pharmacokinetic responses in a patient. Further provided are methods of treating fibrotic conditions and other cytokine-mediated disorders by administering pirfenidone capsules of such formulation to a patient in need.

No. of Pages: 41 No. of Claims: 31

(62) Divisional to Application Number

(22) Date of filing of Application :29/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: MALONIC ACID DI SALTS AND A METHOD FOR PREPARING MALONYL DIHALIDES

(51) International :C07C257/06,C07D487/04,C07C57/34 classification

(31) Priority Document No :61/570962 (32) Priority Date :15/12/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/069468 Application No

:13/12/2012 Filing Date

(87) International :WO 2013/090547 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

Delaware 19899 U.S.A. (72)Name of Inventor: 1)ZHANG Wenming 2) ANNIS Gary David

## (57) Abstract:

A compound of Formula (2) is disclosed: wherein R1, MA and MB are as defined in the disclosure. Also disclosed is a method for preparing a compound of Formula (1): wherein R1 and X are as defined in the disclosure comprising contacting a compound of Formula (2) with a halogenating agent. Also disclosed is a method for preparing a compound of Formula (4): wherein R1, R3 and R4 are as defined in the disclosure, comprising reacting a compound of Formula (5): wherein R3 and R4 are as defined in the disclosure with a compound of Formula (1), with a compound of Formula (1), the process of preparing the compound of Formula (4) includes the step of preparing the compound of Formula (1) from the compound of Formula (2) by the method disclosed above. Also disclosed is compound that is methyl 3,5 -dichlorobenzeneethanimidate methyl 3,5 dichlorobenzeneethanimidate or ethyl 3,5 dichlorobenzeneethanimidate or salts thereof.

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

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR POWER CONVERSION FOR RENEWABLE ENERGY SOURCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:05/11/2012 :WO 2013/067476 :NA :NA :NA	(71)Name of Applicant:  1)ZBB ENERGY CORPORATION Address of Applicant: N93 W14475 Whittaker Way Menomonee Falls WI 53051 U.S.A. (72)Name of Inventor: 1)REICHARD Jeffrey A. 2)JOBE Nathan
Filing Date	:NA	

#### (57) Abstract:

An energy conversion system for use with an alternative energy source is disclosed. The alternative energy source can generate either an AC or a DC voltage. A first power converter is connected between the source and a DC bus and a second power converter is connected between the DC bus and the grid or another load. The first power converter is configured to operate during periods of low energy generation. The energy captured will be stored in an electrical storage medium. When sufficient energy is stored this energy is subsequently transferred to the grid or load via the second power converter. The second power converter is configured to operate intermittently during periods of low power generation transferring energy from the DC bus when sufficient energy is stored and turning off when the stored energy drops to a point at which the second power converter can no longer be operated efficiently.

No. of Pages: 26 No. of Claims: 12

(21) Application No.4265/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: STORAGE SYSTEM 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> </ul>	:61/561895 :20/11/2011 :U.S.A.	(71)Name of Applicant:  1)ILLINOIS TOOL WORKS INC.  Address of Applicant: 155 Harlem Avenue Glenview Il 60025 U.S.A.  (72)Name of Inventor:  1)SALICHS Rafael
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:19/11/2012 :WO 2013/075077 :NA :NA	1)SALICHS Rafael 2)TAMAYO Juan Carlos
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A storage system includes a rack with a plurality of layers each layer including an aisle and a plurality of rows extending from the aisle defining storage locations for items. A shuttle (100) usable with the rack includes a first cart (102) movable along the aisle and a second cart configured to be carriable by the first cart (102) and to be movable along a row. The second cart is configured to carry an item between the first cart and the storage locations. A conveyor (140) is located on one of the first or second carts to move the item onto or off the first cart (102). Related methods of storing and/or retrieving items from a rack are also disclosed. A rack system is disclosed and is readily assembled without welding transferring loading so that the weight of the rack and any item stored therein is supported by the upright elements via support brackets.

No. of Pages: 36 No. of Claims: 17

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR POWER CONVERSION FOR RENEWABLE ENERGY SOURCES

(51) Intern	ational classification	:H02M3/155,H02J3/36	(71)Name of Applicant:
(31) Priorit	y Document No	:61/555727	1)ZBB ENERGY CORPORATION
(32) Priorit	y Date	:04/11/2011	Address of Applicant :N93 W14475 Whittaker Way
(33) Name	of priority country	:U.S.A.	Menomonee Falls WI 53051 U.S.A.
(86) Intern	ational Application No	:PCT/US2012/063582	(72)Name of Inventor:
Filing	Date	:05/11/2012	1)REICHARD Jeffrey A.
(87) Intern	ational Publication No	:WO 2013/067516	2)JOBE Nathan
` /	of Addition to Application	:NA	
Number	Data	:NA	
Filing (62) Divisi	onal to Application Number	:NA	
Filing	* *	:NA	
$\mathcal{C}$			

## (57) Abstract:

A power converter is configured to transfer energy from a photovoltaic (PV) array to a DC bus internal to the power converter. The power converter executes a modulation module to selectively connect one or more switching devices between the output of the PV array and the DC bus. The power converter is configured to operate in multiple operating modes. In one operating mode the converter operates with a fixed modulation period and a variable on time and in another operating mode the converter operates with a variable modulation period and a fixed on time. The improved power converter provides highly efficient low power energy capture improving power efficiency and enabling energy capture in low light conditions with reduced converter losses.

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

(22) Date of filing of Application :29/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: QUALITY TEST FOR POLYMERIZABLE LACTIC ACID AND METHOD FOR PRODUCING SAME

(51) International classification: C08G63/78, C08L67/04, C12P7/56 (71) Name of Applicant:

(31) Priority Document No :10 2011 117 625.3 (32) Priority Date

:04/11/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/004407

No :22/10/2012 Filing Date

(87) International Publication :WO 2013/064219

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

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

1)THYSSENKRUPP UHDE GMBH

Address of Applicant: Friedrich Uhde Str. 15 44141 Dortmund

Germany

2) UHDE INVENTA FISCHER GMBH

(72)Name of Inventor: 1)SCHULZE Joachim 2)HAGEN Rainer 3)TIETZ Wolfgang

4)GHANEGAONKAR Shashank

## (57) Abstract:

The invention relates to a test for determining the quality of lactic acid comprising a) means for the polycondensation of the lactic acid to form a pre polymer b) means for depolymerization to form dilactide and c) means for carrying out analytical methods for determining the dilactide yield and/or the racemization wherein lactic acid which fulfills the test and is suitable for polymerization exhibits a dilactide yield of > 90 % and a racemization of < 5 %.

No. of Pages: 23 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :29/05/2014

(21) Application No.4382/DELNP/2014 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: FOAM EXPANSION AGENT COMPOSITIONS CONTAINING Z-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE AND THEIR USES IN THE PREPARATION OF POLYURETHANE AND POLYISOCYANURATE POLYMER **FOAMS** 

(51) International classification :C08J9/14.C08G18/48.C08G18/40 (71)Name of Applicant:

:WO 2013/081809

:61/566182 (31) Priority Document No (32) Priority Date :02/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No

:PCT/US2012/064627 :12/11/2012

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 (57) Abstract:

1)E.I. DU PONT DE NEMOURS AND COMPANY Address of Applicant: 1007 Market Street Wilmington DE 19899 U.S.A.

(72)Name of Inventor:

1)LOH Garv

2)CREAZZO Joseph Anthony

A foam expansion agent composition is disclosed that includes Z-1,1,1,4,4,4-hexafluoro-2-butene and at least one boiling point foam expansion agent present in an effective amount sufficient to produce a foam having a k-factor less than the k-factor of a foam produced using Z-1,1,4,4,4-hexafluoro-2-butene or the at least one high boiling point foam expansion agent alone at a given temperature. Also disclosed is a foam-forming composition that includes the foam expansion agent composition of this disclosure and an active hydrogen-containing compound having two or more active hydrogens. Also disclosed is a closed-cell polyurethane or polyisocyanurate polymer foam prepared from reaction of an effective amount of the foam-forming composition of this disclosure and a suitable polyisocyanate. Also disclosed is a process for producing a closed-cell polyurethane or polyisocyanur ate polymer foam. The process involves reacting an effective amount of the foam-forming composition of this disclosure and a suit able polyisocyanate.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS AND APPARATUS FOR MIXING TWO STREAMS OF CATALYST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:B01J37/04,B01J8/18,C10G11/18 :13/323217 :12/12/2011 :U.S.A. :PCT/US2012/057171 :26/09/2012 :WO 2013/089876 :NA :NA	(71)Name of Applicant:  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)WOLSCHLAG Lisa M.  2)DAVYDOV Lev  3)PALMAS Paolo  4)MEHLBERG Robert L.  5)MOSTOFI ASHTIANI Mohammad Reza  6)JOHNSON Daniel R.  7)HUOVIE Chad R.  8)SANDACZ Michael S.  9)VAN OPDORP Peter J.  10)LORSBACH Thomas W.  11)PARAMANANDAM Karthikeyan
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## (57) Abstract:

A process and apparatus for mixing streams of regenerated and carbonized catalyst involves passing a catalyst stream into and out of a chamber in a lower section of a riser. The chamber fosters mixing of the catalyst streams to reduce their temperature differential before contacting hydrocarbon feed.

No. of Pages: 36 No. of Claims: 10

(21) Application No.4298/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WING SHAPED BEVERAGE CAN PULL TAB

	(71)Name of Applicant: 1)SCHORRE Christopher Address of Applicant: 717 Brownlee Circle Austin TX 78703 U.S.A. (72)Name of Inventor:
	1)SCHORRE Christopher
:NA	
:NA	
:NA	
:NA	
	:13/305097 :28/11/2011 :U.S.A. :PCT/IB2012/056729 :26/11/2012 :WO 2013/080117 :NA :NA

#### (57) Abstract:

A wing shaped beverage can pull tab (10) that is wide and tall enough to accommodate advertisements logos slogans contest announcements graphics website addresses etchings or other marketing promotional or informational messages targeting the consumer of the beverage. The wing shaped can pull tab (10) can be detached from the can and stored in a pocket without causing injury because of its smooth round edges and compactness. The wing shaped can pull tab (10) is large enough that it does not fall into the can when detached and create injury or choking hazard. The wing shaped can pull tab has a U shaped lift end (IOC) that accommodates the insertion of a finger to lift the tab to actuate the opening of a can more easily. The contoured U shaped lift end (IOC) of the wing shaped can pull tab also accommodates the septum of the nose to allow consumption of the beverage from the can without having to tilt the head too far back.

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

(21) Application No.4299/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 27/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: WIRELESS HOME ENERGY MONITORING SYSTEM

(51) International classification :H04Q9/00,H04L12/28,G01D4/00 (71)Name of Applicant: (31) Priority Document No :13/288671

(32) Priority Date :03/11/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/060431

:16/10/2012 Filing Date

(87) International Publication :WO 2013/066618

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

:NA Number :NA Filing Date

1)SCHNEIDER ELECTRIC USA INC.

Address of Applicant: 1415 S. Roselle Road Palatine Illinois

60067 U.S.A.

(72)Name of Inventor: 1)POLLARD Garv

2) WASHINGTON Rodney

#### (57) Abstract:

A low cost energy monitoring system comprises a plurality of remote sensors (2) for monitoring energy consumption in specific circuits or by specific appliances an adapter (40) that communicates with the remote sensors (20) over a wireless network and a host device (60) with a display. The remote sensors (2) monitor energy consumption in specific circuits or by specific appliances and report the energy consumption by the monitored circuits or appliances to the remote adapter (40). The adapter (40) stores the energy consumption data in memory and generates output images for display by the host device (60). The output images are based on display templates stored in the memory of the adapter and define how the energy consumption data is formatted and displayed for the user.

No. of Pages: 32 No. of Claims: 16

(21) Application No.4390/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CAPACITIVE BLIND MATE MODULE INTERCONNECTION

(51	) International classification	:H01P5/02,H01L23/48,H01Q1/24	(71)Name of Applicant:
(31	) Priority Document No	:61/579031	1)ANDREW LLC
(32	) Priority Date	:22/12/2011	Address of Applicant :1100 CommScope Place SE Hickory
(33	) Name of priority country	:U.S.A.	North Carolina 28602 U.S.A.
(86 No	) International Application Filing Date	:PCT/US2012/071443 :21/12/2012	(72)Name of Inventor : 1)ZIMMERMAN Martin
(87 No	) International Publication	:WO 2013/096880	
	) Patent of Addition to plication Number Filing Date	:NA :NA	
,	) Divisional to Application mber Filing Date	:NA :NA	

## (57) Abstract:

A blind mate capacitive coupling interconnection between a main module enclosure one or more sub module enclosures has coupling surfaces each with a ground portion and an aperture an inner element provided in the aperture spaced away from the ground portion. The coupling surfaces may be provided for example as traces on a printed circuit board. To accommodate a degree of mis alignment one of the inner elements may be provided larger than the other. Capacitive coupling between the coupling surfaces occurs when the coupling surfaces are mated together retained in position for example by a mechanical fixture.

No. of Pages: 26 No. of Claims: 20

(21) Application No.4391/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: SYSTEM FOR CONTROLLING MEASURING AND MONITORING THE SECONDARY ELECTRIC POWER DISTRIBUTION GRID

(51) International :G01R21/00,G01R22/10,H02J13/00

classification (31) Priority Document No :PI1105842-0

(32) Priority Date :03/11/2011 (33) Name of priority country: Brazil

(86) International Application :PCT/BR2012/000420

No :26/10/2012 Filing Date

(87) International Publication :WO 2013/063669

(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)VALADIO ABI ACKEL Marcos

Address of Applicant :Rua Marqu<sup>a</sup>s de Paranagu; 191 apto.

401 Belo Horizonte MG CEP: 30350 080 Brazil 2)LOIOLA PEREIRA CAMPOS In¡cio

(72)Name of Inventor:

1)VALADJO ABI ACKEL Marcos 2)LOIOLA PEREIRA CAMPOS In;cio

The present invention relates to a system for controlling measuring and monitoring the secondary electric power distribution grid with remote detection of fraud and power theft readings power cuts and client load control besides continuous monitoring of the electric grid parameters providing diagnostics on the status of the grid and public lighting from an assigned control centre together with the secondary busbar of the distribution transformer and the measurement modules of client equipment.

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

(21) Application No.4242/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: NANOPARTICLES COMPOSITIONS CONTAINING POLYMERS AND ANTHRANILIC ACID DIAMIDE INSECTICIDES FOR PROPAGULE COATING

(51) International

:A01N43/56,A01N25/24,A01P7/04

classification

:61/577128

(31) Priority Document No (32) Priority Date

:19/12/2011

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

(86) International Application

:PCT/US2012/070702

No

:19/12/2012

Filing Date

(87) International Publication

:WO 2013/096497

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

:NA :NA

Filing Date (62) Divisional to Application

:NA

Number Filing Date

:NA

(71)Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant :1007 Market Street Wilmington

Delaware 19899 U.S.A. (72)Name of Inventor:

1)HOLOWKA Eric P.

2)VRAKAS Stephanie C.

## (57) Abstract:

Disclosed is an insecticidal composition comprising by weight based on the total weight of the composition: (a) from about 0.25 to about 25% of one or more anthranilic diamide insecticides; (b) from about 2.5 to about 25% of a poly(lactic acid) polymer component having a water dispersability of at least about 5% by weight at 20 C and an average molecular weight ranging from about 700 to about 4 000 daltons; wherein the ratio of component (b) to component (a) is about 1:1 to about 1:10 by weight; and (c) from about 20 to about 50% of a composition comprising either (i) a poly(lactide co glycolide) copolymer and a methyl poly(ethylene glycol) copolymer or (ii) an acrylate/methacrylate based polymer or copolymer and a methyl poly(ethylene glycol) copolymer; wherein the methyl poly(ethylene glycol) copolymer has a water solubility of at least about 5% by weight at 20 °C a hydrophilic lipophilic balance value of at least about 7 and an average molecular weight ranging from 12 000 to 65 000 and further wherein the ratio of the poly(lactide co glycolide) or the acrylate/methacrylate based polymer or copolymer to the methyl poly(ethylene glycol) is about 1:1 to about 4:1 by weight and the ratio of component (c) to component (b) is about 2:1 to about 9:1 by weight. Also disclosed is a geotropic propagule coated with the insecticidal composition. Further disclosed is a liquid composition comprising the insecticidal composition and a method for protecting a geotropic propagule and plant derived therefrom from a phytophagous insect pest.

No. of Pages: 81 No. of Claims: 17

(21) Application No.4243/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: POLYPEPTIDE ADJUVANT

(51) International classification	:A61K39/095,C
(31) Priority Document No	:1120634.9
(32) Priority Date	:30/11/2011
(00) 37	

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

(86) International Application No :PCT/GB2012/052976 Filing Date :30/11/2012 :WO 2013/079970

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

Number (62) Divisional to Application Number :NA Filing Date :NA C12N9/52 (71)Name of Applicant:

## 1)UNIVERSITY OF SHEFFIELD

Address of Applicant :Firth Court Western Bank Sheffield South Yorkshire S10 2TN U.K.

(72)Name of Inventor:

1)SAYERS Jon 2)ARTYMIUK Pete 3)HEATH Andrew

#### (57) Abstract:

The disclosure relates to an adjuvant polypeptide effective at enhancing the immune response to an antigen crosslinked to the adjuvant polypeptide.

No. of Pages: 32 No. of Claims: 26

(43) Publication Date: 20/02/2015

(21) Application No.4400/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

# (54) Title of the invention: METHOD AND ARRANGEMENT FOR CONTROLLING TRANSMISSION OF DELAY SENSITIVE DATA IN A PACKET DATA 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 Filing Date</li> </ul>	:H04L1/00 :NA :NA :NA :PCT/SE2012/050051 :23/01/2012 :WO 2013/112078 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)SANDBERG David 2)LANGEREIS Alexander
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This disclosure deals with an arrangement in a base station (120) for controlling transmission of delay sensitive data from a transmitter (1 12) over a transmission link in a packet data communication network which transmitter is capable of changing between a TTI bundling enabled mode and a TTI bundling disabled mode. The arrangement comprises: a receiver (402) for receiving data from the transmitter over the transmission link; a decision unit (404) for deciding that the transmitter should change TTI bundling mode; a silent mode detection unit (406) for detecting that the transmitter is in a silent mode; and a triggering unit (408) for triggering change of TTI bundling mode in response to deciding that the transmitter should change TTI bundling mode and in response to detecting that the transmitter is in a silent mode. The disclosure further relates to a corresponding method.

No. of Pages: 25 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :30/05/2014

(21) Application No.4401/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PARTITION FLUID SEPARATION

(51) International classification	:B01D63/06,B01D71/80	(71)Name of Applicant:
(31) Priority Document No	:61/563860	1)CORNING INCORPORATED
(32) Priority Date	:28/11/2011	Address of Applicant :1 Riverfront Plaza Corning New York
(33) Name of priority country	:U.S.A.	14831 U.S.A.
(86) International Application No	:PCT/US2012/066746	(72)Name of Inventor:
Filing Date	:28/11/2012	1)DRURY Kenneth Joseph
(87) International Publication No	:WO 2013/082077	2)DUNNING Darryl L.
(61) Patent of Addition to Application	:NA	3)JOHNSON Paul Oakley
Number	:NA	4)LUCCHESI Robert
Filing Date	.11//1	5)PARTRIDGE Randall D
(62) Divisional to Application Number	:NA	6)STERNQUIST Brandon T
Filing Date	:NA	

## (57) Abstract:

A pervaporation element includes a ceramic monolith having an array of parallel channels separated by porous channel walls extending along an axial length of the monolith and a functional membrane coating a first plurality of the porous channel walls along the axial length of the monolith. The functional membrane functions to separate a fluid into a retentate portion and a permeate portion. The porous channel walls coated by the functional membrane define a plurality of discrete through segments where each of the discrete through segments are separated from one another by a plurality of uncoated porous channel walls. Fluid entering the discrete through segments is separated into a retentate portion that exits in substantial portion through the discrete through segments and a permeate portion that exits the ceramic monolith radially outward through the uncoated porous channel walls and through a skin of the monolith.

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

(21) Application No.4392/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: INTRAOCULAR LENS CARTRIDGE

(51) International classification	:A61F2/16	(71)Name of Applicant :
	.A01F2/10	
(31) Priority Document No	:2011/13348	1)HAYDAROGLU Orhan
(32) Priority Date	:30/12/2011	Address of Applicant :Budak Mah. 31. Sokak No:2/1
(33) Name of priority country	:Turkey	Sehitkamil Gaziantep Turkey
(86) International Application No	:PCT/TR2012/000182	2)NAZLIER Mustafa
Filing Date	:31/10/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/100867	1)HAYDAROGLU Orhan
(61) Patent of Addition to Application	:NA	2)NAZLIER Mustafa
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Intraocular lens cartridge comprising a conic head portion (1) narrowing gradually after a rectangular prism part; upper channel (1.2) on the inner upper wall of the conic head portion extending until the middle portion of the inner upper wall in order for the lens to move forward properly and continue its folding lower channel (1.3) on the inner lower wall; upper and lower inverse L shaped claws (1.4, 1.5) on the outer surface of the conic head portion; the L shaped lower claw having a longer arm; a cartridge body (2) suitable for intertwining having a larger periphery as compared to the periphery of the head portion of the conic head portion lock housings (2.2) on the upper and lower parts of the cartridge ( bayonet connection between head portion and cartridge body); supporting protrusions (2.1) both on the upper and lower parts for supporting the fingers of the operator.

No. of Pages: 10 No. of Claims: 3

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: FIXED CONSTANT VELOCITY UNIVERSAL JOINT

(51) International classification :F16D3/2233,F1
(31) Priority Document No :2011-274436
(32) Priority Date :15/12/2011
(33) Name of priority country :15000

(33) Name of priority country :Japan

(86) International Application No
Filing Date

(87) International Publication No

:PCT/JP2012/079832
:16/11/2012
:WO 2013/088905

(61) Patent of Addition to Application
Number
:NA

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA
Filing Date
:NA

:F16D3/2233,F16D3/224 (71)**Name of Applicant :** :2011-274436 **1)NTN CORPORATION** 

Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(72)Name of Inventor:
1)YAMAZAKI Kisao
2)YAMAZAKI Kenta
3)HIRUKAWA Hiroyasu

(57) Abstract:

A fixed constant velocity universal joint (1) wherein: the track grooves (7) of an outer joint member (2) comprise a first track groove part (7a) positioned toward the interior and a second track groove part (7b) positioned toward the opening; the first track groove parts (7a) have an arc shaped ball orbit center line (Xa) having a center of curvature that is not offset from the joint center (O) in the axial direction and the plane (M) containing at least the ball orbit center line (Xa) and the joint center (O) is inclined with respect to the axial line (N N) of the joint and the inclination directions of the adjacent first track groove parts (7a) in the circumferential direction are formed in mutually opposite directions; the second track groove parts (7b) have an arc shaped ball orbit center line (Xb) the center of curvature of which is offset more to the outside in the radial direction than the ball orbit center line (Xa) of the first track groove parts (7a); the ends (A) of the ball orbit center lines (Xa) of the first track groove parts (7a) are positioned more toward the opening than the joint center (O) and this position accounts for at least 60% of the effective track length from the joint center (O) to the opening; and the ball orbit center lines (Xb) of the second track groove parts (7b) are connected to the ends (A). This fixed constant velocity universal joint is characterized in that when the operating angle is 0° and the plane (P) containing the joint center (O) is taken as a reference the ball orbit center lines (Y) of the track grooves of an inner joint member (2) with which a pair of track grooves is formed.

No. of Pages: 86 No. of Claims: 11

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : INFORMATION PROCESSING DEVICE INFORMATION PROCESSING METHOD AND RECORDING MEDIUM

# (57) Abstract:

[Problem] Provided is an information processing device comprising a processing unit which controls a compositing of a captured image and an operation object image to generate an image which is composited to give gesture recognition feedback to a user wherein the degree of visibility of the captured image in the composited image is changed.

No. of Pages: 69 No. of Claims: 20

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HAND HELD TEST METER WITH ANALYTICAL TEST STRIP EJECTION MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/487 :13/310137 :02/12/2011 :U.S.A. :PCT/GB2012/052987 :03/12/2012 :WO 2013/079977 :NA :NA :NA	(71)Name of Applicant:  1)LIFESCAN SCOTLAND LIMITED  Address of Applicant: Beechwood Park North Inverness IV2  3ED U.K. (72)Name of Inventor:  1)NELSON Jonny  2)FAULKNER Allan  3)VALSECCHI Luca  4)BERETTA Roberto  5)VOLPE Maurizio  6)SALA Michele  7)FOLEY Nick  8)CROSSLAND Colin  9)TRICKETT Paul
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## (57) Abstract:

A hand held test meter for use with an analytical test strip in the determination of an analyte (such as glucose) in a bodily fluid sample (e.g. a whole blood sample) includes a housing with an outer surface and an analytical test strip ejection mechanism (ATSEM). The ATSEM has an actuation button disposed in the outer surface of the housing a motion amplification and rotation assembly (MA&RA) operatively connected to the actuation button and a test strip slider operatively connected to the MA&RA. The actuation button is configured for movement by a user s digit in a first direction and the MA&RA and test strip slider are configured to convert the movement in the first direction into amplified movement of the test strip slider in a second direction with the second direction being rotated with respect to the first direction. In addition the test strip slider is further configured for operative engagement with an analytical test strip inserted into the hand held test meter in an engaged state such that movement of the test strip slider in the second direction from the engaged state to an ejected state ejects the analytical test strip from the hand held test meter.

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

(19) INDIA

(22) Date of filing of Application :26/05/2014

(21) Application No.4256/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: TABLETS AND PREPARATION THEREOF

(51) International classification:A61K9/20(31) Priority Document No:61/032,145(32) Priority Date:28/02/2008(33) Name of priority country:U.S.A.

(86) International Application No :PCT/US2009/035481 Filing Date :27/02/2009

(87) International Publication No :WO2009/108865

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

Filing Date

(62) Divisional to Application Number :3393/DELNP/2009 Filed on :27/02/2009 (71)Name of Applicant : 1)ABBVIE INC.

Address of Applicant :1 North Waukegan Road, North

Chicago, IL 60064, USA U.S.A.

(72)Name of Inventor:
1)GOPINATHAN Nishanth
2)SCHROEDER Rudolf
3)SANTIAGO Albert
4)FAITSCH Lynn Victoria

4)FAITSCH Lynn Victoria 5)WARDROP Jacqueline 6)MORRIS John Brennan 7)BULTMANN Martin

8)SCHLAYER Heinz

#### (57) Abstract:

THE PRESENT INVENTION FEATURES PROCESSES OF MAKING TABLETS HAVING REDUCED INTERNAL FRACTURES. IN ONE ASPECT, THE PROCESSES COMPRISE THE STEPS OF (1) COMPRESSING A PRE-TABLETTING MATERIAL IN A DIE TO FORM A TABLET, WHERE AN INTERNAL SURFACE OF THE DIE IS LUBRICATED WITH AT LEAST ONE LUBRICANT, AND THE PRETABLETTING MATERIAL COMPRISES AT LEAST ONE THERAPEUTIC AGENT AND AT LEAST ONE PHARMACEUTICALLY ACCEPTABLE POLYMER; AND (2) EJECTING SAID TABLET FROM SAID DIE. IN ANOTHER ASPECT, THE PROCESSES EMPLOY A GRANULAR OR POWDERY PRE-TABLETTING MATERIAL WHICH COMPRISES AT LEAST ONE THERAPEUTIC AGENT AND AT LEAST ONE PHARMACEUTICALLY ACCEPTABLE POLYMER, WHEREIN 90% OF THE PARTICLES IN THE PRE-TABLETTING MATERIAL ARE SMALLER THAN 400 MICROMETER.

No. of Pages: 57 No. of Claims: 6

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A METHOD FOR PROVIDING A FREQUENCY DIVIDER AND A FREQUENCY DIVIDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:H03B19/00 :60/758,465 :11/01/2006 :U.S.A. :PCT/US07/060416 :11/01/2007 : NA :NA :NA :5502/DELNP/2008 :25/06/2008	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant:5557 Morehouse Drive, San Diego, California 92121-1714, United States of America, U.S.A. (72)Name of Inventor:  1)CHIEWCHARN NARATHONG 2)WENJUN SU
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#### (57) Abstract:

A method, comprising: providing a frequency divider that is configurable in a first way in a first operating mode and that is configurable in a second way in a second operating mode, the frequency divider including a prescaler and a plurality of modulus divider stages, wherein if the frequency divider is configured in the first way then the prescaler and the plurality of modulus divider stages are configured to form an N-stage multi-modulus divider that divides an input signal on a frequency divider input lead and generates a frequency divider output signal, wherein if the frequency divider is configured in the first way then the prescaler does not perform a dividing function, wherein if the frequency divider is configured in the second way then the prescaler divides an input signal on the frequency divider input lead and generates a prescaler output signal, and wherein if the frequency divider is configured in the second way then plurality of modulus divider stages are configured to form an M-stage multi-modulus divider that divides the prescaler output signal and generates the frequency divider output signal, wherein M is less than N; and configuring the frequency divider to operate in a selectable one of the first operating mode or the second operating mode.

No. of Pages: 38 No. of Claims: 5

(21) Application No.4411/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: M MODE ULTRASOUND IMAGING OF ARBITRARY PATHS

:NA

(51) International classification :A61B8/00,G01N29/24,G06T7/20 (71)Name of Applicant: (31) Priority Document No 1)MAUI IMAGING INC. :61/581583 (32) Priority Date :29/12/2011 Address of Applicant :256 Gibraltar Drive Suite 107 (33) Name of priority country Sunnyvale CA 94089 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/071923 1)BREWER Kenneth D. No :28/12/2012 Filing Date 2)SMITH David M. (87) International Publication 3)LORENZATO Rozalin M. :WO 2013/101988 4)RITZI Bruce R. (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

#### (57) Abstract:

Filing Date

Systems and methods of M mode ultrasound imaging allows for M mode imaging along user defined paths. In various embodiments the user defined path can be a non linear path or a curved path. In some embodiments a system for M mode ultrasound imaging can comprise a multi aperture probe with at least a first transmitting aperture and a second receiving aperture. The receiving aperture can be separate from the transmitting aperture. In some embodiments the transmitting aperture can be configured to transmit an unfocused spherical ultrasound ping signal into a region of interest. The user defined path can define a structure of interest within the region of interest.

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

(21) Application No.4412/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

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

(51) International classification :H04R3/00,H04M1/00,H04R1/00 (71)Name of Applicant:

(31) Priority Document No :2012-091125 (32) Priority Date :12/04/2012

(33) Name of priority country :Japan (86) International Application

:PCT/JP2013/002530 :12/04/2013 Filing Date

(87) International Publication :WO 2013/153828

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

(62) Divisional to Application :NA Number :NA

:NA Filing Date

Filing Date (57) Abstract:

1)KYOCERA CORPORATION

Address of Applicant: 6 Takeda Tobadono cho Fushimi ku

Kyoto shi Kyoto 6128501 Japan

(72)Name of Inventor: 1)NABATA Toshihisa 2)MIZUTA Satoshi 3)MIYANO Tomoaki 4)SATO Kiyokazu 5)KIHARA Akio

6)KAZAMA Shun 7)KATAYAMA Yasuhiro

The present invention reduces the amount of sound escaping from a diaphragm that is vibrated by a piezoelectric element. This electronic device (1) is provided with a piezoelectric element (30) and a diaphragm (10) that is vibrated by said piezoelectric element (30). The electronic device (1) uses the diaphragm (10) to transmit vibration sounds by vibrating part of a human body. The piezoelectric element (30) is vibrated using a processed sound signal comprising a playback sound signal with at least some of frequency components exceeding a prescribed threshold either removed or attenuated.

No. of Pages: 26 No. of Claims: 9

(21) Application No.4223/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: DIAGNOSTIC METHOD AND APPARATUS FOR AN INTERNAL COMBUSTION ENGINE

(51) International

:F02D41/14,F02D35/00,F02D41/22 classification

(31) Priority Document No :2012/113395 (32) Priority Date :17/05/2012 (33) Name of priority country: Japan

(86) International Application :PCT/IB2013/001046

:14/05/2013

(87) International Publication :WO 2013/171575

No

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

(62) Divisional to Application :NA Number :NA

Filing Date

Filing Date

(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)ITO Yoshiyasu

(57) Abstract:

A microcomputer (21) determines in a first monitoring routine (R2) whether a required injection amount was normally computed in a fuel injection amount control routine (RI) based on the required injection amount computed in the fuel injection amount control routine (RI) and detected values of engine operating conditions used for computation of the required injection amount in the routine and determines in a second monitoring routine (R3) whether an injector 14 was normally driven based on the required injection amount based on the required injection amount computed in the fuel injection amount control routine (RI) and a measurement result of a current application period of injector drive current.

No. of Pages: 41 No. of Claims: 9

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMPROVED METHOD FOR MANUFACTURE OF MACROBEADS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12N11/04 :61/592949 :31/01/2012 :U.S.A. :PCT/US2013/023802 :30/01/2013 :WO 2013/116306 :NA :NA :NA	(71)Name of Applicant:  1)THE ROGOSIN INSTITUTE Address of Applicant:505 East 70th Street New York NY 10021 U.S.A. (72)Name of Inventor: 1)GAZDA Lawrence 2)LARAMORE Melissa 3)HAMILTON Timothy 4)SMITH Barry
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## (57) Abstract:

The invention relates to an improved method for making agarose coated agarose beads which contain cells. The method which is preferably automated involves placing manufactured beads in a sample of mineral oil at a temperature gradient such that the temperature drops as the bead moves through the oil. Preferably a trumpet tool and a straw tool are employed in the method.

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: DEVICE AND METHOD FOR PURIFYING AND RECYCLING SHOWER WATER

(51) International classification :A47K3/28,E03B1/04,B01D39/06 (71)Name of Applicant: (31) Priority Document No 1)ORBITAL SYSTEMS AB :1151272-0 (32) Priority Date :23/12/2011 Address of Applicant :Bispgatan 78 S 216 22 Limhamn (33) Name of priority country Sweden :Sweden (86) International Application (72)Name of Inventor: :PCT/SE2012/051430 No 1)MAHDJOUBI NAMIN Amir Mehrdad :19/12/2012 Filing Date (87) International Publication :WO 2013/095278 (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 describes a hybrid device (1) for a recirculation shower allowing purification and either recycling of water or discarding of water wherein said hybrid device (1) comprises a recirculation loop (2) a filter system (4) with a nano filter (5) such as for instance an electropositive nano ceramic filter e.g. a nano alumina (fiber) filter at least one filter quality sensor (3) at least one pre filter (6) and wherein the hybrid device (1) is arranged to redirect the water from recirculation to drainage when the at least one filter quality sensor (3) indicates the need thereof.

No. of Pages: 20 No. of Claims: 18

(21) Application No.4351/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: POWER SUPPLY FOR A FIELD EMISSION LIGHT SOURCE

(51) International classification :H05B41/233,H01J63/06 (71)Name of Applicant : (31) Priority Document No 1)LIGHTLAB SWEDEN AB :11195938.3 (32) Priority Date Address of Applicant: -stermalmstorg 1 S 114 42 Stockholm :28/12/2011 (33) Name of priority country :EPO Sweden (86) International Application No :PCT/EP2012/076661 (72)Name of Inventor: Filing Date :21/12/2012 1)M-RK Gran (87) International Publication No 2)TIR%N Jonas :WO 2013/098239 (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 a power supply for a field emission light source. The novel power supply allows for a reduction in size as well as allowing for improvements relating to power factor and efficiency. The size reduction further allows the power supply to efficiently be integrated together with the field emission light source forming a lighting device.

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

(21) Application No.4417/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CO CURRENT CATALYST FLOW WITH FEED FOR FRACTIONATED FEED RECOMBINED AND SENT TO HIGH TEMPERATURE REFORMING REACTORS

(51) International :C10G35/085,C10G35/09,B01J29/068

classification (31) Priority Document No :13/327200

(32) Priority Date :15/12/2011

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

country

(86) International :PCT/US2012/054972

Application No
Filing Date

113/09/2012

(87) International

Publication No :WO 2013/089847

(61) Patent of Addition to

Application Number :NA
Filing Date :NA

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

(71)Name of Applicant:

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)MOSER Mark D.

2) VANDEN BUSSCHE Kurt M.

3)WEGERER David A.

4)GAJDA Gregory J.

# (57) Abstract:

A process is presented for the increasing the yields of aromatics from reforming a hydrocarbon feedstream. The process includes splitting a naphtha feedstream into a light hydrocarbon stream and a heavier stream having a relatively rich concentration of naphthenes. The heavy stream is reformed to convert the naphthenes to aromatics and the resulting product stream is further reformed with the light hydrocarbon stream to increase the aromatics yields. The catalyst is passed through the reactors in a sequential manner.

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

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR LONG TERM STORAGE OF POROUS BODY BEARING CHONDROCYTES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:2011-263837 :01/12/2011 :Japan :PCT/JP2012/081134 :30/11/2012 :WO 2013/081122 :NA :NA	(71)Name of Applicant:  1)FUJISOFT INCORPORATED  Address of Applicant: 1 1 Sakuragicho Naka ku Yokohama shi Kanagawa 2318008 Japan (72)Name of Inventor:  1)HARAI Motohiro  2)TATEYAMA Toshiaki
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed is a method for storing a cartilage cell- adhering porous body in an airtight state over a long term of at shortest 14 days. The method comprises suspending isolated cartilage cells into atelocollagen at an administration cell concentration of  $1.0 \times 10.7 \times 10.0 \times$ 

No. of Pages: 48 No. of Claims: 8

(21) Application No.4305/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ANTENNA ARRANGEMENT AND DEVICE

(51) International classification	:H01Q5/01,H01Q1/24,H01Q7/04	
(31) Priority Document No	:20116089	1)LITE ON MOBILE OYJ
(32) Priority Date	:04/11/2011	Address of Applicant :,,yritie 8 A FI 01510 Vantaa Finland
(33) Name of priority country	:Finland	(72)Name of Inventor:
(86) International Application No Filing Date	:PCT/FI2012/051061 :01/11/2012	1)BASIRAT Parviz
(87) International Publication No:WO 2013/064743		
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An antenna arrangement of an electronic device and a device. The antenna arrangement comprises two radiator elements (2 3). The first radiator element (2) of said two radiator elements is connected to a feed element (5). A second radiator element (3) of said two radiator elements is a passive element and connected to a ground plane (7). The first radiator element (2) is arranged to feed the second radiator element (3) by radiating energy.

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

(19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.4306/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : ACTIVE WINDMILL WITH THE AXIS OF ROTATION TRANSVERSE TO THE DIRECTION OF THE WIND

### (57) Abstract:

The active windmill with the rotation axis transverse to the wind direction with at least one windmill module containing an assembly of counter rotating impellers operating in the tandem setting and provided with a two part guiding plate that covers the impeller parts moving against the wind wherein each of the guiding plates is located between the mast and one of the impellers characterized in that the guiding plate s right K1 and left K2 parts are separate elements and are connected with each other by tensioning assembly ZN.

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

(21) Application No.4308/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HUMANIZED ANTIBODIES THAT RECOGNIZE ALPHA SYNUCLEIN

(51) International :A61K39/00,A61K39/395,C07K16/00

classification .A01K39/00,A01K39/393,C0/K10/00

(31) Priority Document No :61/553131 (32) Priority Date :28/10/2011 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2012/062290

Application No
Filing Date

Section 201
Filing Date

(87) International :WO 2013/063516

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)NEOTOPE BIOSCIENCES LIMITED

Address of Applicant :25 28 North Wall Quay Dublin 1

Ireland

(72)Name of Inventor:

1)SALDANHA Jose

2)NIJJAR Tarlochan S.

# (57) Abstract:

The present application discloses humanized 9E4 antibodies. The antibodies bind to human alpha synuclein and can be used for immunotherapy of Lewy body disease.

No. of Pages: 68 No. of Claims: 64

(19) INDIA

(22) Date of filing of Application :28/05/2014

(21) Application No.4309/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: TWISTING 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> <li>Filing Date</li> </ul>	:H01B13/02 :01812/11 :11/11/2011 :Switzerland :PCT/IB2012/056309 :09/11/2012 :WO 2013/068990 :NA :NA	(71)Name of Applicant:  1)SCHLEUNIGER HOLDING AG Address of Applicant: Bierigutstrasse 9 CH 3608 Thun Switzerland (72)Name of Inventor: 1)STIER Martin
\ /		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a twisting device (1) for twisting electric or optical lines (2) such as wires cables line bundles optical fibers etc. comprising a base (5) and a first twisting head (3) which can be rotated relative to the base (5) and which is designed to grip the lines (2) to be twisted at a first end of the lines. The invention is characterized in that the twisting device (1) has a second twisting head (4) which can be rotated relative to the base (5) which is arranged opposite the first twisting head (3) and which is designed to grip the lines (2) to be twisted at a second end of the lines said second end lying opposite the first end. The second twisting head (4) can be rotated in the opposite direction of the first twisting head (3). The invention also relates to a method for twisting lines.

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

(21) Application No.4421/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WIRELESS COMMUNICATION APPARATUS WIRELESS COMMUNICATION SYSTEM HAVING SAME AND POWER CONSUMPTION MANAGEMENT APPARATUS

(51) International classification: H04B1/40,G01R22/00,H02J13/00 (71)Name of Applicant: (31) Priority Document No 1)PANASONIC CORPORATION :2011-251053 (32) Priority Date :16/11/2011 Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka (33) Name of priority country 5718501 Japan :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/079455 1)SUZUKI Junichi :14/11/2012 Filing Date 2)TAKENAGA Hideki (87) International Publication 3)FUJII Takashi :WO 2013/073548 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The objective of the invention is to always secure a power supply for a wireless communication apparatus during time of ordinary state except in the event of a power failure. A wireless communication apparatus which is connected directly to a main line that is a system power supply line in a distribution switchboard receives a power which is supplied from the main line for operation. The wireless communication apparatus is disposed inside the case of the distribution switchboard; or the main body unit of the wireless communication apparatus is exposed outside the case of the distribution switchboard; or the wireless communication apparatus is exposed outside the case of the distribution switchboard; or the wireless communication apparatus is disposed in contact with the exterior of the case of the distribution switchboard.

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

(19) INDIA

(22) Date of filing of Application :30/05/2014

(21) Application No.4422/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SWING MECHANISM AND PUMPING SYSTEM

:NA

:NA

(51) International classification :E04G21/04,F04B15/02 (71)Name of Applicant : (31) Priority Document No 1)HUNAN SANY INTELLIGENT CONTROL :201110413699.0 (32) Priority Date :12/12/2011 EOUIPMENT CO. LTD Address of Applicant :Sany Industry Town Economic and (33) Name of priority country :China (86) International Application No Technological Development Zone Changsha Hunan 410100 China :PCT/CN2012/073844 2)SANY HEAVY INDUSTRY CO. LTD Filing Date :11/04/2012 (87) International Publication No (72)Name of Inventor: :WO 2013/086820 (61) Patent of Addition to Application 1)YE Yuquan :NA 2)YIN Tengfei :NA Filing Date 3)LI Fulong

(57) Abstract:

Filing Date

Disclosed is a swing mechanism of a pumping system which mechanism comprises a rocker arm (1) and a box (2) having a cavity. The rocker arm (1) comprises a swinging part (11) alternately driven by a left hydraulic oil circuit and a right hydraulic oil circuit and a rotary part (12) fixedly connected to the swinging part (11) and provided on a hopper. The rocker arm (1) is located within the cavity and divides the cavity into a separate left cavity (21) and right cavity (22). The left and the right sides of the swinging part (11) are in communication with the left hydraulic oil circuit and the right hydraulic oil circuit via the left cavity (21) and the right cavity (22) respectively and the rotary part (12) is connected to the box (2) by way of circumferential rotation. The swinging part (11) of the rocker arm (1) is directly driven by hydraulic oil and the hydraulic energy is all converted into motive mechanical energy of the swinging part (11) so as to be able to reduce the power of a power source driving the movement of the rocker arm (1) thus saving energy with a simple structure and occupying little space. In addition also disclosed are a pumping system and concrete equipment comprising the swing mechanism.

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

(62) Divisional to Application Number

(21) Application No.4425/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: TEAR DUCT RESISTANCE MEASURING 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>	:1120771.9 :02/12/2011 :U.K.	(71)Name of Applicant:  1)LJT PROJECTS LIMITED  Address of Applicant: Ground Floor Belmont Place Belmont Road Maidenhead Berkshire SL6 6TB U.K. (72)Name of Inventor:  1)PEARSON Andrew Robert
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system (30) for measuring the flow properties of a tear duct (14, 15, 16, 18) to ascertain its flow resistance comprises a syringe (32) communicating with a cannula (46) to supply liquid to a punctum (12, 13) of an eye (10) the cannula (46) having a tip (47) to seal to the punctum (12, 13). A motor (34) is arranged to actuate the syringe (32). A pressure sensor (42) monitors the pressure (P) of the liquid supplied to the punctum (12, 13); and a monitoring circuit (50) provides an indication of the flow resistance In addition a feedback circuit (50) controls the motor (34) in accordance with the measured pressure (P) either to maintain a preset liquid pressure or to ensure that the liquid pressure does not exceed a preset threshold. The system may also include means to prevent flow through the other punctum of the eye for example a plug (60, 62) or a clip (65, 73). If the flow rate (F) of the liquid supplied to the punctum (12, 13) is also monitored the monitoring circuit (50) is arranged to determine the flow resistance (R) from the pressure (P) and the flow rate (F).

No. of Pages: 24 No. of Claims: 18

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DEVICE FOR COOLING THE OPENING OF A ROTARY KILN BY MEANS OF COOL AIR BLOWING

(51) International classification :F27B7/22,F27B7/38,F27B7/40 (71)Name of Applicant : (31) Priority Document No 1)FIVES FCB (32) Priority Date Address of Applicant :50 rue de Ticlni F 59650 Villeneuve :NA (33) Name of priority country dAscq France :NA (86) International Application No: PCT/FR2011/000678 (72)Name of Inventor: Filing Date :23/12/2011 1) DEVROE Sbastien (87) International Publication No :WO 2013/093212 2)FONTAINE Damien (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention relates to a device (100) for cooling the opening of a rotary kiln by means of cool air blowing said kiln comprising a metal cylinder (3) lined internally with a refractory material (73) and being rotatably mounted relative to the frame of the kiln into which materials are intended to be inserted and fired. The cooling device (100) comprises: the aforementioned cylinder (3) of the rotary kiln and a metal cylinder end part (4) covered with a refractory material (74) and secured to the cylinder (3); two concentric metal casings (5 6) known as the inner casing (5) and the outer casing (6) which surround the cylinder (3) of the kiln (2) and form two annular channels (50, 60); and ventilation means that allow cool air to flow through said annular channels (50, 60). According to the invention the device comprises: an annular distribution chamber (8) which surrounds the cylinder (3) of the kiln is secured to said cylinder (3) and supplies the first channel (50) with air; ventilation means comprising at least one fan (9) and an electric motor actuating said at least one fan (9) said ventilation means being installed on the metal cylinder (3) of the kiln rotatably mounted therewith and supplying the distribution chamber (8) in an air tight manner; and rotating electrical connectors (10, 11) that allow electricity to be supplied to the electric motor(s) of the ventilation means.

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

(21) Application No.4331/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: INERT GAS RECOVERY AND RECYCLE FOR SILICON CRYSTAL GROWTH PULLING **PROCESS**

(51) International :C30B15/00,C30B15/20,C30B29/06

classification

(31) Priority Document No :61/568010 :07/12/2011 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/067772

No :04/12/2012 Filing Date

(87) International Publication: WO 2013/085907

(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)PRAXAIR TECHNOLGY INC.

Address of Applicant: 39 Old Ridgebury Road Danbury CT

06810 U.S.A.

(72)Name of Inventor: 1)SONG Lingvan

2)BROWN Lloyd Anthony

### (57) Abstract:

This invention is directed to a method for recovering purifying and recycling an inert gas on a continual basis in connection with a silicon crystal pulling process. Silicon oxide impurities generated during the crystal growth process are completely oxidized by in situ oxidation with a regulated amount of an oxidizing source gas mixture to form silicon dioxide impurities which can be removed by a particulate removal device. The particulate free effluent enters a purification unit to remove the remaining impurities. The inert gas emerging from the purification unit can be fed back into the crystal puller apparatus and/or mixed with the oxidizing source gas mixture. As a result the ability to increase silicon crystal throughput quality and at the same time reduce the costs associated with recycling the inert gas can be achieved.

No. of Pages: 39 No. of Claims: 22

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FILTRATION MATERIAL FOR FILTER METHOD FOR MANUFACTURING SAME AND FILTER

(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	:19/12/2011 :Japan :PCT/JP2012/074503 :25/09/2012 :WO 2013/094268	(71)Name of Applicant:  1)MAHLE FILTER SYSTEMS JAPAN CORPORATION Address of Applicant: 1 9 12 Kita Otsuka Toshima ku Tokyo 1710004 Japan  2)TEIJIN LIMITED (72)Name of Inventor: 1)HAMADA Yuiti 2)SUZUKI Mitutosi 3)ISHII Hiroyuki 4)INAGAKI Kenji
Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are: a filtration material for a filter the filtration material enabling the filter to have high capturing efficiency low pressure loss and a long life; a method for manufacturing the filtration material for a filter; and a filter formed using the filtration material for a filter. A filtration material for a filter is used as a member for constituting the filter and comprises wet non woven fabric. The filtration material for a filter has a multi layer structure having two or more layers and is configured so that there is no boundary surface present between the two layers.

No. of Pages: 48 No. of Claims: 14

(43) Publication Date: 20/02/2015

(21) Application No.4333/DELNP/2014 A

(22) Date of filing of Application :28/05/2014

### (54) Title of the invention: SOUND PROCESSING DEVICE SOUND PROCESSING METHOD PROGRAM RECORDING MEDIUM SERVER DEVICE SOUND REPLAY DEVICE AND SOUND PROCESSING SYSTEM

(51) International

classification (31) Priority Document No :2011-266065

:05/12/2011 (32) Priority Date

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/080789

No :28/11/2012 Filing Date

(87) International Publication :WO 2013/084774

(61) Patent of Addition to

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

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

1)SONY CORPORATION

Address of Applicant: 17 1 Konan Minato Ku Tokyo 1080075

(72)Name of Inventor: 1)TSUNOO Emiru 2)INOUE Akira

(57) Abstract:

(19) INDIA

The present invention makes it possible to advantageously identify a song that corresponds to an input sound signal. A continuously inputted sound signal is converted into a predetermined feature value series. A verification process between the feature value series and the song information is carried out in sequential fashion as soon as the feature value series accumulates a predetermined amount and a song in which the degree of verification is larger than a threshold value is ultimately identified. In this case conversion of the continuously inputted sound signal into the predetermined feature value series and the verification process between the feature value series and the song information are carried out in parallel fashion. It is therefore possible to carry out song identification with excellent real time characteristics.

No. of Pages: 57 No. of Claims: 19

4)SUGIYAMA Hiroyuki

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: OVERPRINT VARNISHES WITH NON AQUEOUS DISPERSIONS

(51) International classification :C09D151/00,C08F265/06 (71)Name of Applicant : (31) Priority Document No 1)SUN CHEMICAL CORPORATION :61/568215 (32) Priority Date :08/12/2011 Address of Applicant :35 Waterview Boulevard Parsippany NJ (33) Name of priority country 07054 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2012/068300 1)BOLLARD Jerome Filing Date :06/12/2012 (87) International Publication No :WO 2013/086231 2)DURAND Richard 3)KRISHNAN Ramasamy

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

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

### (57) Abstract:

Provided are overprint varnish (OPV) compositions containing high viscosity essentially non aqueous dispersions that include acrylic core/shell polymer particles in a non aqueous solvent such as mineral oil. Also provided are methods of coating a substrate with an OPV containing the non aqueous dispersions to improve the properties of the OPV when used to coat a substrate such as improved rub resistance resistance to yellowing and desirable gloss values.

No. of Pages: 54 No. of Claims: 57

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ACTIVATABLE LINERLESS LABELS AND ACTIVATABLE ADHESIVES SYSTEMS MACHINES AND METHODS THEREFOR

(51) International classification	:B65C9/18,B65C9/46,C09J7/02	(71)Name of Applicant:
(31) Priority Document No	:13/307306	1)AVERY DENNISON CORPORATION
(32) Priority Date	:30/11/2011	Address of Applicant :150 N. Orange Grove Blvd. Pasadena
(33) Name of priority country	:U.S.A.	CA 91103 U.S.A.
(86) International Application No	:PCT/US2012/066777	(72)Name of Inventor:
Filing Date	:28/11/2012	1)KIAN Kourosh
(87) International Publication No	:WO 2013/082101	2)LENKL Johannes
(61) Patent of Addition to	:NA	3)SRINIVASAN Raj
Application Number	:NA	4)IYER Pradeep
Filing Date	.IVA	5)HSEIH Dong
(62) Divisional to Application	:NA	6)LEE Sou Phong
Number	:NA	7)EDWARDS David N.
Filing Date	.IVA	

# (57) Abstract:

A print and apply system configured to facilitate the application of a flow of activatable labels with variable length to a flow of items including a roll of activatable label stock with a facestock and an activatable adhesive layer; a software program configured to create a layout for each of the flow of activatable labels with variable length; a printer configured to print on the facestock; a cutter configured to cut off a specific length from the roll of activatable label stock to form the flow of activatable labels according to the layout; an activation unit to activate the adhesive layer to turn it tacky; and an applicator unit configured to receive and place the labels with activated adhesive onto a flow of items to be labeled. Related methods and uses are described.

No. of Pages: 113 No. of Claims: 60

(21) Application No.4339/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR DETECTING TARGET NUCLEIC ACID

(51) International classification	:C12N15/09,C12Q1/68	(71)Name of Applicant:
(31) Priority Document No	:2011-238174	1)EIKEN KAGAKU KABUSHIKI KAISHA
(32) Priority Date	:31/10/2011	Address of Applicant :4 19 9 Taito Taito ku Tokyo 1108408
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2012/077596	(72)Name of Inventor:
Filing Date	:25/10/2012	1)HOSAKA Norimitsu
(87) International Publication No	:WO 2013/065574	2)HIGASHIDE Satoshi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The purpose of the present invention is to provide: a novel method for detecting a target nucleic acid; and a kit for use in the method. In the detection method according to the present invention a fluorescently labeled primer/probe and a quencher labeled probe which have complementarity to each other are so designed as to have different melting temperatures (Tm) from each other so that the fluorescently labeled primer can anneal preferentially to the target nucleic acid. The detection method is so designed that the fluorescently labeled primer/probe that is not bound to the target nucleic acid is bound to the quenching primer so as to emit no fluorescence. The method enables the detection of the target nucleic acid in a simpler manner at lower cost and without requiring the use of any technique or device.

No. of Pages: 81 No. of Claims: 14

(21) Application No.4340/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date: 20/02/2015

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

(51) International classification :E05B17/00,E05B9/02,E05B65/12 (71)Name of Applicant:

:30/11/2012

(31) Priority Document No :11/03649 (32) Priority Date :30/11/2011

(33) Name of priority country :France

(86) International Application :PCT/EP2012/074039

Filing Date

(87) International Publication

:WO 2013/079639 (61) Patent of Addition to

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

:NA Number :NA Filing Date

1)VALEO SECURITE HABITACLE

Address of Applicant: 76 rue Auguste Perret ZI Europarc F

94046 Crteil Cedex France

(72)Name of Inventor: 1)DEBROUCKE Fransois

2) VERBRUGGHE Jean Marc 3)GRISLAIN Jean Baptiste

#### (57) Abstract:

The invention relates to a lock for a movable panel of a motor vehicle comprising a housing (1) which consists of a single part made of a flexible plastic material and into which the lock mechanism (2) is inserted in a so called insertion direction (SI) said housing (1) having at least one slot through which a transmission arrangement of the mechanism is to pass in a so called exit plane. According to the invention said housing (1) and said transmission arrangement (5) each comprise a sealing interface which translatably engage with one another when said mechanism (2) is inserted into the housing (1).

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

(22) Date of filing of Application :09/06/2014

:NA

:NA

(43) Publication Date: 20/02/2015

# (54) Title of the invention : (100)[OVW] NON ORIENTED ELECTRICAL STEEL SHEET WITH EXCELLENT MAGNETIC PROPERTY AND MANUFACTURING METHOD THEREOF

(51) International classification:C21D8/12,C22C38/00,C22C38/02 (71)Name of Applicant: (31) Priority Document No :1020120031294 1)PARK Kyoung Soon (32) Priority Date Address of Applicant :Poonglim Iwant Apt. #111 1702 :27/03/2012 (33) Name of priority country : Republic of Korea Yangdeok dong Pohang si Gyeongsangbuk do 791 717 Republic (86) International Application of Korea :PCT/KR2013/000359 2)HEO Gi Whan :17/01/2013 Filing Date 3)HEO Yoon Jung (87) International Publication 4)KWOUN Sun Mi :WO 2013/147407 No 5)KWOUN Hyuk Ki (61) Patent of Addition to 6)HEO Juy Soon :NA **Application Number** 7)HEO Dong Hoe :NA Filing Date (72)Name of Inventor:

1)HEO Nam Hoe

(57) Abstract:

Filing Date

Number

(62) Divisional to Application

The present invention relates to a non-oriented electrical steel sheet used as an iron core of an electrical device such as a motor and a transformer, and a manufacturing method thereof. Provided is a method for manufacturing a 10 (100) [Ovw] non-oriented electrical steel sheet with an excellent magnetic property according to one embodiment of the present invention, comprising the steps of: hotrolling, pickling, and cold-rolling a slab of a component composition indicating a ferrite organization in an entire temperature range containing S of 0.0001 to 0.035 wt% and Fe and inevitable impurities of the residual wt%; and 15 forming a surface of an annealing plate in the (100) [Ovw] crystallization direction by annealing a surface of a cold-rolled steel sheet so as to selectively grow crystals of (100) grains on the surface of the cold-rolled steel sheet.

No. of Pages: 45 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :09/06/2014

(21) Application No.4658/DELNP/2014 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: FAT BASED FOOD PRODUCTS

(51) International :A23D7/005,A23D9/007,A23C9/152 classification

(31) Priority Document No :1121519.1 (32) Priority Date :14/12/2011

(33) Name of priority :U.K.

country

(86) International :PCT/GB2012/053126

Application No :13/12/2012 Filing Date

(87) International Publication: WO 2013/088156

(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)IP SCIENCE LIMITED

Address of Applicant :2nd Floor The Platinum Building St Johns Innovation Park Cowley Road Cambridge Cambridgeshire CB4 0DS U.K.

(72)Name of Inventor: 1)PETYAEV Ivan

### (57) Abstract:

The invention is in particular concerned with a food product comprising one or more fats or oils and a carotenoid compound. The products of the invention may be used in reducing elevated total cholesterol triglycerides and inflammatory damage as well as improving tissue microcirculation and tissue oxygenation.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ENZYMATICALLY HYDROLYSED LIPIDS AS FLAVOUR INGREDIENTS

(51) International classification	:A23L1/227,A23L1/231	(71)Name of Applicant:
(31) Priority Document No	:11192923.8	1)NESTEC S.A.
(32) Priority Date	:12/12/2011	Address of Applicant :Av. Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/074028	(72)Name of Inventor:
Filing Date	:30/11/2012	1)HUYNH BA Tuong
(87) International Publication No	:WO 2013/087420	2)DEVAUD GOUMOENS Stphanie
(61) Patent of Addition to Application	:NA	3)MATTHEY DORET Walter
Number	:NA	4)SAUCY Fran§oise
Filing Date	.11/1	5)VITON Florian
(62) Divisional to Application Number	:NA	6)BARBIER Catherine
Filing Date	:NA	

### (57) Abstract:

A process for preparing a flavour concentrate having a meat flavour and/or aroma comprising contacting animal lipid with a lipase enzyme such that at least some triglycerides present in the lipid are hydrolysed to give a mixture of free fatty acids monoglycerides diglycerides and non hydrolyzed triglycerides; heating the mixture to inactivate the lipase; and heating the mixture with an aqueous solution containing at least one reducing sugar and at least one amino acid to give the flavour concentrate.

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

(21) Application No.4413/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : EXTRACTION OF POLYCYCLIC AROMATIC COMPOUNDS FROM PETROLEUM FEEDSTOCKS USING IONIC LIQUIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:21/09/2012 :WO 2013/089866	(71)Name of Applicant: 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)MEZZA Beckay J. 2)BHATTACHARYYA Alakananda 3)WANG Haiyan
(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 involves a process for removing one or more polycyclic aromatic hydrocarbon compounds from a vacuum gas oil comprising contacting the vacuum gas oil with a vacuum gas oil immiscible phosphonium ionic liquid to produce a mixture comprising the vacuum gas oil and the vacuum gas oil immiscible phosphonium ionic liquid; and separating the mixture to produce a vacuum gas oil effluent and a vacuum gas oil immiscible phosphonium ionic liquid effluent the vacuum gas oil immiscible phosphonium ionic liquid effluent comprising the polycyclic aromatic hydrocarbon compound.

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

(21) Application No.4414/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: METHODS FOR PRODUCING ZEOLITE CATALYSTS

(51) International classification	:B01J29/04,B01J21/04,B01J37/04	(71)Name of Applicant •
(31) Priority Document No	:13/450296	1)UOP LLC
(32) Priority Date	:18/04/2012	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application	.DCT/LIC2012/02555/	(72)Name of Inventor:
No	:PCT/US2013/035556 :08/04/2013	1)JAN Deng Yang
Filing Date	.08/04/2013	
(87) International Publication	:WO 2013/158391	
No	. W O 2013/130371	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

#### (57) Abstract:

A METHOD FOR PRODUCING A ZEOLITE CATALYST INCLUDES MIXING A ZEOLITE MATERIAL WITH A FILLER MATERIAL COMPRISING TRANSITION PHASE AND ALPHA ALUMINA A POROSITY ENHANCING AGENT AND WATER TO PRODUCE A PASTE; MULLING THE PASTE; EXTRUDING THE PASTE TO PRODUCE A SHAPED EXTRUDATE; AND DRYING AND CALCINING THE SHAPED EXTRUDATE TO PRODUCE A ZEOLITE CATALYST WHEREIN THE ZEOLITE CATALYST HAS A TOTAL POROSITY GREATER THAN 0.60ML/GM AND GREATER THAN 15% OF A TOTAL PORE VOLUME OF PORES IN THE RANGE FROM 550 ANGSTROM TO 31000 ANGSTROM.

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

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS FOR DEOXYGENATING BIOMASS DERIVED PYROLYSIS OIL

(51) International classification	:C10G3/00,C10G45/00	(71)Name of Applicant:
(31) Priority Document No	:13/326050	1)UOP LLC
(32) Priority Date	:14/12/2011	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application No	:PCT/US2012/052428	(72)Name of Inventor:
Filing Date	:27/08/2012	1)BAIRD Lance Awender
(87) International Publication No	:WO 2013/089839	2)BRANDVOLD Timothy A.
(61) Patent of Addition to Application	:NA	3)LUPTON Francis Stephen
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods for deoxygenating a biomass derived pyrolysis oil are provided. In an embodiment a method for deoxygenating a biomass derived pyrolysis oil comprises the steps of combining a biomass derived pyrolysis oil stream with a heated low oxygen pyoil diluent recycle stream to form a heated diluted pyoil feed stream. The heated diluted pyoil feed stream has a feed temperature of 150°C or greater. The heated diluted pyoil feed stream is contacted with a first deoxygenating catalyst in the presence of hydrogen at first hydroprocessing conditions effective to form a low oxygen biomass derived pyrolysis oil effluent.

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

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

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

(51) International classification	:C10G45/00,C10G45/02	(71)Name of Applicant:
(31) Priority Document No	:13/327516	1)UOP LLC
(32) Priority Date	:15/12/2011	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application No	:PCT/US2012/058216	(72)Name of Inventor:
Filing Date	:01/10/2012	1)BANERJEE Soumendra M.
(87) International Publication No	:WO 2013/089893	2)HOEHN Richard K.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4416/DELNP/2014 A

#### (57) Abstract:

Hydrotreating methods and hydrotreating systems are provided herein. In an embodiment a hydrotreating method includes heating a petroleum based diesel feed. The heated petroleum based diesel feed is introduced to a hydrotreating process. An unheated carbonaceous feed is introduced to the hydrotreating process separate from the heated petroleum based diesel feed. The heated petroleum based diesel feed and the unheated carbonaceous feed are co processed in the hydrotreating process. In an embodiment of a hydrotreating system the hydrotreating system includes a hydrotreating unit and a heating apparatus with the heating apparatus heating petroleum based diesel feed prior to introduction to the hydrotreating unit. The unheated carbonaceous feed source is in fluid communication with the hydrotreating unit for introducing an unheated carbonaceous feed to the hydrotreating unit separate from the petroleum based diesel feed.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CURRENCY NOTE DEPOSIT/WITHDRAWAL DEVICE AND CURRENCY NOTE PROCESSING DEVICE

(51) International classification (31) Priority Document No (32) Priority Date (32) Priority Date (33) Name of priority country (34) International Application No Filing Date (35) International Publication No (36) International Publication No (37) International Publication No (38) International Publication No (39) International Publication No (30) International Publication No (31) Priority Country (32) International Application No (31) Priority Document No (32) 127221 (32) Priority Date (33) Name of priority country (34) International Application No (50) International Application No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) International Publication No (54) International Publication No (55) International Publication No (66) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) International Publication No (54) International Publication No (55) International Publication No (56) International Publication No (57) International Publication No (57) International Publication No (57) International Publication No (58) International Publication No (59) International Publication No (50) Internat	16 1 OKI ELECTRIC INDUSTRY CO. LTD. Address of Applicant: 1 7 12 Toranomon Minato ku Tokyo 1058460 Japan (72)Name of Inventor: 1)NEMOTO Yukihiro
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#### (57) Abstract:

The invention achieves a currency note deposit/withdrawal device and a currency note processing device that simplify a mechanism of a deposit/withdrawal opening relative to the prior art. Among currency notes inserted in the deposit/withdrawal opening (21) when a deposit is made a deposit reject currency note identified as incompatible for deposit is transported on a distribution transportation path (27) and temporarily stored within said distribution transportation path (27). Without providing the deposit/withdrawal opening (21) with a partition plate of a type of the prior art the aforementioned process makes it possible for example to temporarily store the deposit reject currency note in the distribution transportation path (27) until completion of a deposit counting process for example and after completion of the deposit counting process to return said deposit reject currency note to the deposit/withdrawal opening (21) and give back said deposit reject currency note to a user.

No. of Pages: 82 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43)

(21) Application No.4355/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METERING ARRANGEMENT FOR A LIQUID EXHAUST GAS AFTERTREATMENT MEDIUM AND METERING METHOD

(51) International classification	:F01N3/20	(71)Name of Applicant :
(31) Priority Document No	:10 2011 088 217.0	1)ROBERT BOSCH GMBH
(32) Priority Date	:12/12/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/074589	(72)Name of Inventor:
Filing Date	:06/12/2012	1)GOTTWALD Frank
(87) International Publication No	:WO 2013/087492	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		

### (57) Abstract:

A metering arrangement (3 30) is proposed for a liquid exhaust gas aftertreatment medium for the aftertreatment of the exhaust gas of an internal combustion engine which has an exhaust gas system in particular for a urea/water solution having a delivery pump (7) and a metering module (13) wherein the delivery pump (7) is connected to a suction line (23) for sucking the exhaust gas aftertreatment medium out of a tank (1) wherein the delivery pump (7) and the metering module (13) are connected to one another via a pressure line (25) and the exhaust gas aftertreatment medium can be fed via the metering module (13) to the exhaust gas system wherein a recirculation pump (8) is arranged parallel to the delivery pump (7) wherein the recirculation pump (8) is connected on the suction side to the metering module (13). Furthermore a corresponding method for metering is proposed.

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

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: LONG CHAIN BRANCHED POLYMERS AND METHODS OF MAKING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F110/02 :13/308289 :30/11/2011 :U.S.A. :PCT/US2012/064986 :14/11/2012 :WO 2013/081826 :NA :NA :NA	(71)Name of Applicant:  1)CHEVRON PHILLIPS CHEMICAL COMPANY LP Address of Applicant:10001 Six Pines Drive The Woodlands Texas 77380 U.S.A. (72)Name of Inventor: 1)YU Youlu 2)SCHWERDTFEGER Eric D 3)MCDANIEL Max P 4)SOLENBERGER Alan L 5)COLLINS Kathy S
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#### (57) Abstract:

A polymer having a long chain branching content peaking at greater than about 20 long chain branches per million carbon atoms and a polydispersity index of greater than about 10 wherein the long chain branching decreases to approximately zero at the higher molecular weight portion of the molecular weight distribution. A polymer having a long chain branching content peaking at greater than about 8 long chain branches per million carbon atoms a polydispersity index of greater than about 20 wherein the long chain branching decreases to approximately zero at the higher molecular weight portion of the molecular weight distribution. A polymer having a long chain branching content peaking at greater than about 1 long chain branches per chain and a polydispersity index of greater than about 10 wherein the long chain branching decreases to approximately zero at the higher molecular weight portion of the molecular weight distribution.

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FEATURE TO REENGAGE SAFETY SWITCH OF TISSUE STAPLER

		(71)Name of Applicant :
(51) International classification	:A61B17/115	1)ETHICON ENDO SURGERY INC.
(31) Priority Document No	:13/328344	Address of Applicant :4545 Creek Road Cincinnati Ohio
(32) Priority Date	:16/12/2011	45242 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2012/068859	1)MILLER Christopher C.
Filing Date	:11/12/2012	2)CHEKAN Edward G.
(87) International Publication No	:WO 2013/090221	3)ALEXANDER Johnny H. III
(61) Patent of Addition to Application	:NA	4)CUMMINGS John F.
Number	:NA	5)SHURTLEFF Carl J.
Filing Date	.IVA	6)DUNKI JACOBS Adam R.
(62) Divisional to Application Number	:NA	7)JAMISON Barry T.
Filing Date	:NA	8)YOUNG Joseph E.
		9)HENDERSON Cortney E.

# (57) Abstract:

A surgical instrument includes an anvil selectively coupleable to a stapling head assembly and a trigger operable to fire staples into tissue compressed between the anvil and the stapling head assembly. In some versions a lockout member may engage a securing feature to prevent actuation of the anvil relative to the stapling head assembly. For instance a tab may engage a slot on an actuator a screen door lock may provide frictional resistance or engage teeth on the actuator a door may actuate into engagement with one or more recesses geared teeth may mesh with teeth on the actuator the lockout member may include a ratcheting assembly to engage actuator and/or a push button may actuate into a recess while disengaging the lockout member. Alternatively in some versions the trigger actuation assembly may be disengaged prior to firing. An anvil position indicator may restrict engagement of the trigger actuation assembly.

No. of Pages: 75 No. of Claims: 20

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FEATURE TO LOCK KNOB OF TISSUE STAPLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A61B17/115 :13/328402 :16/12/2011 :U.S.A. :PCT/US2012/068861 :11/12/2012 :WO 2013/090223 :NA :NA :NA	(71)Name of Applicant: 1)ETHICON ENDO SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati Ohio 45242 U.S.A. (72)Name of Inventor: 1)VASUDEVAN Venkataramanan Mandakolathur 2)CHEKAN Edward G. 3)FELDER Kevin D. 4)MORGAN Jerome R. 5)SHURTLEFF Carl J. 6)ALEXANDER Johnny H. III 7)CUMMINGS John F. 8)MILLER Christopher C.
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#### (57) Abstract:

A surgical stapling instrument for performing a circular anastomosis comprises a stapling head assembly an actuator handle assembly a shaft assembly a safety latch and a locking member. The stapling head assembly includes an anvil that moves relative to a staple holder and a staple driver to drive staples from the staple holder into tissue and against the anvil. The actuator handle assembly has a first actuator that controls motion of the anvil and a second actuator that controls motion of the staple driver. The shaft assembly couples the stapling head assembly to the actuator handle assembly. The safety latch prevents operation of the second actuator when the gap between the anvil and staple holder is outside a predetermined range. The locking member is configured to prevent adjustment of the anvil gap after the desired staple height has been set inside the predetermined range.

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

(21) Application No.4303/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : COMPOUND COMPRISING A MAO TARGETING/ SEEKER MOIETY FOR TREATING HUMAN GLIOMAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:A61K31/435,A61K31/4375 :61/553854 :31/10/2011 :U.S.A. :PCT/US2012/062850 :31/10/2012 :WO 2013/151584 :NA :NA	(71)Name of Applicant:  1)THE METHODIST HOSPITAL RESEARCH INSTITUTE  Address of Applicant: 6565 Fannin MS D 200 Houston TX 77030 U.S.A. (72)Name of Inventor:  1)BASKIN David S.  2)SHARPE Martyn Alun
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### (57) Abstract:

Disclosed are compound for targeting chemotherapeutic agents to mammalian mitochondria. Also disclosed are monoamine oxidase compositions and methods of using them for the selective therapy of mammalian cancers and in particular in the treatment of human gliomas. Also disclosed are methods employing the novel targeted chemotherapeutics with one or more conventional anti cancer therapies including for example radiotherapy.

No. of Pages: 90 No. of Claims: 40

(19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.4304/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: CONVERTING 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> <li>Filing Date</li> </ul>		(71)Name of Applicant:  1)PACKSIZE LLC  Address of Applicant:6440 South Wasatch Boulevard Salt  Lake City UT 84121 U.S.A.  (72)Name of Inventor:  1)PETTERSSON Niklas
Filing Date	:09/11/2012	1)PETTERSSON Niklas
(87) International Publication No (61) Patent of Addition to Application	:WO 2013/071073 :NA	2)OSTERHOUT Ryan
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system that converts sheet material into packaging templates includes a converting assembly that performs conversion functions such as cutting creasing and scoring on the sheet material as the sheet material moves through the converting machine in a first direction. The converting assembly may be mounted on a frame such that the converting assembly is elevated above a support surface. One or more longhead converting tools performs conversion functions on the sheet material in a first direction and a crosshead converting tool performs conversion functions on the sheet material in a second direction in order to create packaging templates.

No. of Pages: 69 No. of Claims: 117

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DISPERSION OF ADSORBING EMULSION POLYMER PARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F2/00,C08F2/24 :61/592647 :31/01/2012 :U.S.A. :PCT/US2013/023817 :30/01/2013 :WO 2013/116318 :NA :NA	(71)Name of Applicant:  1)ROHM AND HAAS COMPANY Address of Applicant: 100 Independence Mall West Philadelphia PA 19106 U.S.A. (72)Name of Inventor: 1)BOHLING James Charles 2)BROWNELL Arnold Stan 3)TIWARY Yogesh
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### (57) Abstract:

The present invention relates to a process comprising contacting a stable aqueous dispersion of pre formed polymer particles with a monomer emulsion under emulsion polymerization conditions to form a stable aqueous dispersion of pre formed particles protuberating from polymer particles arising from the polymerization of the monomer emulsion; these multistage polymer particles show exceptional compatibility with pigment particles. In another aspect the present invention is a composition relating to the pre formed particles.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD OF FRACTURING USING ULTRA LIGHTWEIGHT PROPPANT SUSPENSIONS AND GASEOUS STREAMS

(51) International classification	:C09K8/70,C09K8/80	(71)Name of Applicant:
(31) Priority Document No	:13/367106	1)BAKER HUGHES INCORPORATED
(32) Priority Date	:06/02/2012	Address of Applicant :2929 Allen Parkway Suite 2100
(33) Name of priority country	:U.S.A.	Houston TX 77019 U.S.A.
(86) International Application No	:PCT/US2013/024647	(72)Name of Inventor:
Filing Date	:04/02/2013	1)WHEELER Richard S.
(87) International Publication No	:WO 2013/119507	2)NEWHALL Chandler
(61) Patent of Addition to Application	:NA	3)MYERS Roger R.
Number	:NA	4)WARD Brian
Filing Date	.11/11	5)BEALL Brian B.
(62) Divisional to Application Number	:NA	6)BRANNON Harold
Filing Date	:NA	

# (57) Abstract:

In a method of hydraulically fracturing a hydrocarbon bearing subterranean formation a proppant stage is introduced into the fracture which contains a gaseous fluid and an ultra lightweight proppant suspended in a viscosified aqueous fluid. The gaseous fluid of the proppant stage contains at least about 90 volume percent of the combination of gaseous fluid and aqueous fluid. A pad fluid may first be introduced into the formation the pad fluid containing a gaseous fluid and optionally an aqueous fluid. The gaseous fluid of the pad fluid mixture typically contains at least 70 volume percent of the mixture.

No. of Pages: 20 No. of Claims: 26

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: SYSTEM AND PROCESS FOR THE CONVERSION OF BIOMASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:U.S.A. :PCT/US2011/066113 :20/12/2011 :WO 2013/089796 :NA :NA	(71)Name of Applicant:  1)SHELL INTERNATIONALE RESEARCH  MAATSCHAPPIJ B.V.  Address of Applicant: Carel van Bylandtlaan 30 NL 2596 The  Hague Netherlands (72)Name of Inventor:  1)POWELL Joseph Broun
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Digestion of cellulosic biomass to produce a hydrolysate may be accompanied by the formation of cellulosic fines which may be damaging to system components. Biomass conversion systems that may address the issue of cellulosic fines may comprise a fluid circulation loop comprising: a hydrothermal digestion unit; a solids separation unit that is in fluid communication with an outlet of the hydrothermal digestion unit; where the solids separation unit comprises a plurality of filters and the filters are in fluid communication with the fluid circulation loop in both a forward and a reverse flow direction; and a catalytic reduction reactor unit that is in fluid communication with an outlet of the solids separation unit and an inlet of the hydrothermal digestion unit; where at least one of the plurality of filters is in fluid communication with an inlet of the catalytic reduction reactor unit.

No. of Pages: 65 No. of Claims: 17

(21) Application No.4289/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: NEW AZETIDINE DERIVATIVES PHARMACEUTICAL COMPOSITIONS AND USES THEREOF

(51) International classification :C07D205/04,C07D401/04,C07D401/12 (31) Priority Document No :11196170.2 (32) Priority Date :30/12/2011

(32) Priority Date :30/12/201 (33) Name of priority :EPO

country :EPC

(86) International Application No :PCT/EP2012/077027

Filing Date :28/12/2012

(87) International Publication No :WO 2013/098375

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

NA
SNA
SNA
SNA
SNA
SNA

(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)FLECK Martin 2)NOSSE Bernd

3)ROTH Gerald Juergen

### (57) Abstract:

The invention relates to new azetidine derivatives of the formula (I) to their use as medicaments to methods for their therapeutic use and to pharmaceutical compositions containing them.

No. of Pages: 121 No. of Claims: 14

(21) Application No.4407/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date: 20/02/2015

(54) Title of the invention: TABLET CONTAINING 1 CYCLOPROPYL 8 (DIFLUOROMETHOXY) 7 [(1R) 1 METHYL 2 3 DIHYDRO 1H ISOINDOLE 5 YL] 4 OXO 1 4 DIHYDROQUINOLINE 3 CARBOXYLIC ACID METHANESULFONIC ACID **HYDRATE** 

(51) International :A61K31/4709,A61K9/20,A61K47/02 classification

(31) Priority Document No :2011261727

(32) Priority Date

:30/11/2011

(33) Name of priority

:Japan

country (86) International

:PCT/JP2012/080887

Application No

:29/11/2012 Filing Date

(87) International

Publication No

:WO 2013/081044

(61) Patent of Addition to

:NA :NA

(62) Divisional to

:NA :NA

**Application Number** Filing Date

**Application Number** Filing Date

(71)Name of Applicant:

1)TOYAMA CHEMICAL CO. LTD.

Address of Applicant :2 5 Nishishinjuku 3 chome Shinjuku ku

Tokyo 1600023 Japan (72)Name of Inventor:

1)KAKUDA Sahoe 2)MIYAZAKI Tsutomu

3)OKADA Kotaro

#### (57) Abstract:

A tablet according to the present invention has a percentage content of 1-cyclopropyl-8-(difluoromethoxy)-7-[(1R)-1-methyl-2,3dihdro-1H-isoindole-5-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid methanesulfonic acid hydrate of between 80 wt% and 97.5 wt%. (2) The tablet is smaller is size than 200mg of a commercially available Geninax tablet. (3) As a result, drug compliance is improved, (4) leachability is high, and (5) hardness and friability are high. (6) As a result, the present invention withstands film coating and transportation, and is useful as a tablet of methanesulfonic acid hydrate of chemicals compound A.

No. of Pages: 32 No. of Claims: 8

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: THERMOSTATIC CONDENSING GAS WATER HEATER AND CONTROL METHOD THEREFOR

(51) International classification :F24H8/00,F24H1/00,F24H9/20 (71)Name of Applicant :

(31) Priority Document No :201110354438.6 (32) Priority Date :10/11/2011

(33) Name of priority country :China

(86) International Application No :PCT/CN2012/083077

Filing Date :17/10/2012 (87) International Publication No :WO 2013/067880

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

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

1)A.O.SMITH (CHINA) WATER HEATER CO. LTD.

Address of Applicant: 336 Yaoxin Avenue Naniing Economic and Technological Development Zone Nanjing Jiangsu 210038

China

(72)Name of Inventor:

1)OIU Bu 2)BI Dayan 3)ZHOU Sujuan 4)ZHANG Shiping 5)WU Yuehua

#### (57) Abstract:

A thermostatic condensing gas water heater comprising a burner; a first heat exchanger (7) a second heat exchanger (4) a water inlet pipe (10) and a water outlet pipe (9) provided in succession along the flow direction of the burnt flue gas; a controller; and a water flow channel connecting the first heat exchanger (7) and the second heat exchanger (4) in parallel to the water inlet pipe (10) and the water outlet pipe (9) wherein flow control valves (3, 5) capable of adjusting the water flow distribution of the first heat exchanger (7) and the second heat exchanger (4) are provided on the water flow channel the flow control valves (3, 5) being controlled by the controller.

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

(21) Application No.4695/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : FRAME RATE CONTROL METHOD FRAME RATE CONTROL DEVICE AND FRAME RATE CONTROL PROGRAM

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:2012013773	1)NIPPON TELEGRAPH AND TELEPHONE
(32) Priority Date	:26/01/2012	CORPORATION
(33) Name of priority country	:Japan	Address of Applicant :5 1 Otemachi 1 chome Chiyoda ku
(86) International Application No	:PCT/JP2013/051072	Tokyo 1008116 Japan
Filing Date	:21/01/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/111701	1)ONO Naoki
(61) Patent of Addition to Application	:NA	2)SHIMIZU Atsushi
Number	:NA	3)NAKAMURA Ken
Filing Date	.INA	4)KITAHARA Masaki
(62) Divisional to Application Number	:NA	5)KYOCHI Seisuke
Filing Date	:NA	
(57) Abstract:		1

#### (57) Abstract:

An objective of the present invention is to alleviate instantaneous increases in encoder computation volume and information volume as a result of encoding without increased delays even when input timing of inputted video fluctuates rather than staying constant. Provided is a frame rate control method with which a frame rate of inputted video is adjusted to a frame rate at which an encoder is capable of encoding comprising: a step of assessing whether the number of pictures inputted during a prescribed duration of time prior to the input of a picture to be assessed for dropping exceeds a prescribed threshold; and a step of discarding the picture to be assessed when the number of pictures exceeds the threshold and treating the picture to be assessed as a subject for encoding when the number of pictures does not exceed the threshold.

No. of Pages: 27 No. of Claims: 3

(21) Application No.4696/DELNP/2014 A

Address of Applicant : Codan Services Limited Clarendon

House 2 Church Street Hamilton HM11 Bermuda

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: RECOMBINANT PROTEINS AND THEIR THERAPEUTIC USES

:NA

(51) International classification :A61K39/385,C07K14/435 (71)Name of Applicant : (31) Priority Document No :61/563128 (32) Priority Date :23/11/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2012/002876 Filing Date :21/11/2012 (87) International Publication No :WO 2013/076580

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA (72)Name of Inventor: 1)CHARLTON Keith Alan 2)DHONDT Erik

1)BIOVEN 3 LIMITED

(57) Abstract:

Filing Date

A recombinant protein expressing one or more human growth factors tumor antigens and/or receptors or epitopes thereof on or within an immunogenic expression creating a recombinant protein in which one or more epitopes are presented on the surface of the sequence in their natural configuration. The growth factor tumor antigen and/or receptor sequence(s) may be expressed within the encoding sequence at appropriate internal positions or at the termini as single expressions or as two or more tandem repeats.

No. of Pages: 100 No. of Claims: 54

(21) Application No.4270/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: CATHETER DEVICES AND TECHNIQUES

(51) International :A61M25/01,A61M25/16,A61M39/16 classification

(31) Priority Document No :61/564206 (32) Priority Date :28/11/2011 (33) Name of priority

:U.S.A.

:NA

:28/11/2012

(86) International Application No

country

:PCT/US2012/066880

Filing Date

(87) International :WO 2013/082174 Publication No

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

:NA

(57) Abstract:

Filing Date

(71)Name of Applicant: 1) HYPROTEK INC.

Address of Applicant :4219 E. 65th Avenue Spokane WA

99223 1806 U.S.A. (72)Name of Inventor:

1)TENNICAN Patrick O.

This application describes example antimicrobial compositions that may be used alone or in combination with catheters and catheter insertion sites. According to another aspect the application describes catheters which may employ one or more protection devices such as cleaning caps protective caps or both.

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

(21) Application No.4271/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: ANTIMICROBIAL COMPOSITION INCLUDING A RESIDUAL BARRIER FILM

(51) International (71)Name of Applicant: :A61L31/14,A61L29/14,A61L101/22 classification 1) HYPROTEK INC. (31) Priority Document No :61/564206 Address of Applicant :4219 E. 65th Avenue Spokane WA (32) Priority Date :28/11/2011 99223 1806 U.S.A. (33) Name of priority (72)Name of Inventor: :U.S.A. 1)TENNICAN Patrick O. country (86) International :PCT/US2012/066894 Application No :28/11/2012 Filing Date (87) International :WO 2013/082187 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

### (57) Abstract:

This disclosure describes example antimicrobial compositions that may be used in combination with IV port cleansing caps protective caps or nasal decolonizer devices. According to another implementations the disclosure describes that the antimicrobial composition may provide an indication that it has come into contact with a contaminant by bubbling or foam on a surface that is being cleaned. According to another implementation the disclosure describes that the antimicrobial composition may leave a residual film or barrier to inhibit the recontamination of a surface that has been cleaned.

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

(21) Application No.4702/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD FOR LABELING INTRACELLULAR AND EXTRACELLULAR TARGETS OF **LEUKOCYTES**

(51) International classification :G01N33/50,G01N33/569 (71)Name of Applicant : (31) Priority Document No :11290586.4 (32) Priority Date :21/12/2011 (33) Name of priority country :EPO

(86) International Application No :PCT/IB2012/003071 Filing Date :21/12/2012

(87) International Publication No :WO 2013/093642

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

1)BECKMAN COULTER INC.

Address of Applicant :250 S. Kraemer Boulevard Brea CA

92821 U.S.A.

(72)Name of Inventor: 1)MALERGUE Fabrice

2)VAN AGTHOVEN Andreas

### (57) Abstract:

The present invention relates to methods for labeling intracellular and extracellular targets of leukocytes as well as to kits for performing said methods.

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

(21) Application No.4703/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AN AIR GUIDING DEVICE AND A METHOD OF REDUCING THE AIR RESISTANCE OF A GROUND 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>	:B62D35/00 :12154679.0 :09/02/2012 :EPO :PCT/EP2013/052230 :05/02/2013 :WO 2013/117539 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB Address of Applicant: S 151 87 Sdertlje Sweden (72)Name of Inventor:  1)EMBORG Urban 2)HAMMAR Johan 3)KRISTIANSSON Gustav
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An air guiding device (10; 10) for and a method for reducing the air resistance of a ground vehicle (1) defining a longitudinal axis (x) parallel with the forward travel direction. The vehicle comprises a first vehicle body (2) and a second vehicle body (4) provided behind the first vehicle body and extending upwardly and laterally beyond the first vehicle body. The air guiding device comprises an air guide (11) supported by a support structure and provided on the first vehicle body and sloping from a forward end towards a rearward end to form an angle (a) of inclination to the longitudinal direction. A sensor senses a parameter corresponding to the force applied to the support structure and transmits a signal corresponding to the sensed parameter to a control unit. The control unit controls the drive member to move the air guide in response to the signal and thus to the sensed parameter to adjust the angle of inclination.

No. of Pages: 24 No. of Claims: 17

(21) Application No.4704/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS PROPERTIES AND APPLICATIONS OF GRAFT COPOLYMERS

(51) International classification :C08F259/00,C08F259/02,C08F259/08

(31) Priority Document No:61/570572 (32) Priority Date :14/12/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/069632

Application No
Filing Date

ITC1703201
:14/12/2012

(87) International Publication No :WO 2013/090661

(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)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)THENAPPAN Alagapan

2)RAINAL Eric 3)AMEDURI Bruno 4)BOSCHET Frederic 5)AJELLAL Noureddine 6)LOPEZ Gerald

(57) Abstract:

Filing Date

Fluorinated macromonomers a PCTFE g poly(M) graft copolymer and moisture barrier films and articles formed therefrom are provided. The PCTFE g poly(M) graft copolymers have a PCTFE backbone component and a plurality of pendant groups attached to the PCTFE backbone component.

No. of Pages: 45 No. of Claims: 10

(21) Application No.4705/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NOVEL ACETIC ACID ESTER COMPOUND OR SALT THEREOF

(51) International classification :C07D211/46,A61K31/4465,A61P13/02

(31) Priority Document

(31) Priority Document

:2012016685 Date :30/01/2012

(32) Priority Date :30/01/ (33) Name of priority :Japan

country (86) International

Application No :PCT/JP2013/051533

Filing Date :25/01/2013

(87) International Publication No :WO 2013/115077

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

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

1)TAIHO PHARMACEUTICAL CO. LTD.

Address of Applicant :1 27 Kandanishiki cho Chiyoda ku

Tokyo 1018444 Japan (72)Name of Inventor:

1)NANRI Masato 2)IWASAWA Yoshikazu 3)SAKAKIBARA Fukumitsu

4)AOKI Shinichi

### (57) Abstract:

Disclosed is an acetic acid ester compound represented by the general formula (1) (in the formula R represents an optionally substituted deuterated lower alkyl group) or a salt thereof.

No. of Pages: 26 No. of Claims: 13

(21) Application No.4706/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: APPARATUS FOR TESTING SAMPLES USING RAMAN RADIATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:12/12/2012 :WO 2013/087656	(71)Name of Applicant:  1)GLAXO GROUP LIMITED  Address of Applicant: 980 Great West Road Brentford  Middlesex TW8 9GS U.K.  (72)Name of Inventor:  1)MARBACH Ralf  2)TENHUNEN Jussi
` '		
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		7
• /	:WO 2013/087656	2)TENHUNEN Jussi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An apparatus and method using the apparatus for measuring target samples particularly pharmaceutical products using Raman radiation. The sample (212) is located in an optically transparent aperture (210) in an optically non transparent wall structure (208) with a reflective surface (250) on one or both of the sides of the wall structure (208) facing respectively the excitation radiation transmitter (220) or the Raman radiation detector (222). Preferably two reflective surfaces (250) each in hemispherical shape and facing each other in a spherical arrangement are provided with the wall structure (208) across the diameter of the sphere.

No. of Pages: 40 No. of Claims: 29

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: WATER RESERVOIR FOR A STEAM GENERATION SYSTEM AND METHOD OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:13/313868 :07/12/2011 :U.S.A. :PCT/EP2012/074622 :06/12/2012 :WO 2013/083684 :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)WILHELM Bruce W.
- 10/	:NA :NA :NA	

# (57) Abstract:

Disclosed herein is a system comprising an evaporator; a water reservoir in fluid communication with the evaporator; the water reservoir being located upstream of the evaporator; and a first steam drum in fluid communication with the evaporator; the first steam drum being located downstream of the evaporator; where the water reservoir is operative to supply feedwater to the evaporator while maintaining a predetermined water level in the first steam drum.

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

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: GAS TURBINE POWER PLANT WITH CARBON DIOXIDE SEPARATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:F01K23/10 :11192431.2 :07/12/2011 :EPO :PCT/EP2012/074482 :05/12/2012 :WO 2013/083620 :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)CARRONI Richard 2)ZAGORSKIY Alexander 3)BERG Klara 4)KHAYDAROV Sergey 5)RIEKER Marcel
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#### (57) Abstract:

The invention relates to a gas turbine power plant (1), comprising a gas turbine (6), a waste heat steam generator (8) following the gas turbine (6), an exhaust gas recooler (9), an exhaust gas blower (10), a carbon dioxide separation plant (11) which separates the carbon dioxide contained in the exhaust gases from these and discharges it to a carbon dioxide outlet (14). A bypass chimney (12) is arranged in the gas turbine power plant (1) between the outlet of the waste heat steam generator (8) and the exhaust gas blower (10) and is connected to a fail-safe open connection both in the throughflow direction from the exhaust gas line (7) to the bypass chimney (12) and in the throughflow direction from the bypass chimney (12) to the exhaust gas line (7). The invention relates, further, to a method for operating a gas turbine power plant (1) of this type, in which the exhaust gas blower (10) is regulated such that the differential pressure between the inside of the exhaust gas line (7) and the surroundings at the connection of the bypass chimney (12) to the exhaust gas line (7) remains lower than a pressure threshold.

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

(21) Application No.4700/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: APPAPPARATUS AND METHOD FOR SKINNING ARTICLES

(51) International classification :B05C5/02,B05D1/26,B28B19/00 (71)Name of Applicant: (31) Priority Document No :61/564395 1)CORNING INCORPORATED Address of Applicant: 1 Riverfront Plaza Corning NY 14831 (32) Priority Date :29/11/2011 (33) Name of priority country :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/066713 1)ANTHONY John Crawford :28/11/2012 Filing Date 2)BLANDING Douglass L (87) International Publication 3) CHRISTENSON Michael Jon :WO 2013/082061 4)COFFEY Calvin Thomas (61) Patent of Addition to 5)MAMMOSSER William Albert :NA **Application Number** 6)SHULTZ Michael George :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A skinning apparatus (1000) including: a manifold (1020) having: a chamber (1030) one or more channels (1035) or both to receive a source of flowable cement (1050) and to direct the received flowable cement (1050) to an interior skinning region or skinning chamber (1030) surrounding at least a portion of the lateral surface of a first article (1010) received in the skinning chamber (1030) and to form a cement skin on the lateral surface of the received article (1010); a source of motive force (1090) to controllably urge the received article (1010) into and through the skinning chamber (1030); and a support member (1095A) to receive and support the resulting skinned article (1060). Also disclosed is a method for skinning a ceramic article (1010) using the aforementioned skinning apparatus (1000) as defined herein.

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

(21) Application No.4701/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: EXTRUDED BODY DEVICES INCLUDING SHEET MATERIAL HOLE MASKING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B28B1/00 :61/564417 :29/11/2011	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/US2012/066724	14831 U.S.A. (72)Name of Inventor :
Filing Date (87) International Publication No	:28/11/2012 :WO 2013/082066	1)HUBBARD JR. Larry Gleason 2)SUTHERLAND James Scott
(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 making a fluidic device is provided. The method includes locating a meltable sheet material on a face of an extruded body including extended cells therein. At least some of the cells are interconnected by melting the sheet material such that the melted sheet material flows into the at least some of the cells to form a fluidic passage through the body defined within the at least some of the cells. The fluidic passageway may have a longitudinally serpentine path back and forth along the at least some of the cells.

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

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR MANUFACTURING TRIAZINON BENZOXAZINONES

(51) International classification	:C07D413/04,A01N43/84	(71)Name of Applicant:
(31) Priority Document No	:11195506.8	1)BASF SE
(32) Priority Date	:23/12/2011	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/076376	1)WOLF Bernd
Filing Date	:20/12/2012	2)MAYWALD Volker
(87) International Publication No	:WO 2013/092858	3)VOGELBACHER Uwe Josef
(61) Patent of Addition to Application	:NA	4)RACK Michael
Number	:NA	5)DOCHNAHL Maximilian
Filing Date		6)KEIL Michael
(62) Divisional to Application Number	:NA	7)FRASSETTO Timo
Filing Date	:NA	8)GEBHARDT Joachim

# (57) Abstract:

The present invention relates to a process for manufacturing triazinon benzoxazinones of formula (I), by reacting amino benzoxazinones of formula (II) with 1, 1 -carbonyldiimidazole (CDI) and a (thio)urea compound of formula (III); wherein the variables are defined according to the description.

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

(21) Application No.4714/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBRES COMPRISING PARTICULAR FATTY ALCOHOLS A LIQUID FATTY SUBSTANCE AND A CATIONIC POLYMER

(51) International classification :A61Q5/10,A61K8/22,A61K8/31 (71)Name of Applicant:

(31) Priority Document No :1161962 (32) Priority Date :19/12/2011

(33) Name of priority country :France

(86) International Application :PCT/EP2012/075915

:18/12/2012 Filing Date

(87) International Publication No:WO 2013/092562

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)LOREAL

Address of Applicant :14 Rue Royale F 75008 Paris France

(72)Name of Inventor: 1)FACK Graldine 2)MEGUENI Amine

3)NICOLAS MORGANTINI Luc

### (57) Abstract:

The present invention relates to a composition for dyeing keratin fibres comprising: one or more oxidation dyes; one or more basifying agents; one or more non oxyalkylenated fatty substances that are liquid at room temperature in a content of less than or equal to 20% by weight relative to the total weight of the composition; one or more oxidizing agents; one or more oxyethylenated fatty alcohols with a number of oxyethylene units of greater than or equal to 10; one or more oxyethylenated fatty alcohols with a number of oxyethylene units of less than 10; one or more non oxyethylenated fatty alcohols that are solid at room temperature; and one or more cationic polymers. The present invention also relates to a process for dyeing keratin fibres using such a composition and also to a kit for preparing the said composition.

No. of Pages: 55 No. of Claims: 19

(21) Application No.4715/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: STABILIZED MICROPOROUS CRYSTALLINE MATERIAL THE METHOD OF MAKING THE SAME AND THE USE FOR SELECTIVE CATALYTIC REDUCTION OF NOX

(51) International :C01B39/02,C01B39/46,C01B37/08 classification

(31) Priority Document No :61/566106 (32) Priority Date :02/12/2011

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

(86) International Application :PCT/US2012/067485

No

:30/11/2012 Filing Date

(87) International Publication :WO 2013/082560

(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)PO CORPORATION

Address of Applicant : P.O Box 840 Valley Forge

Pennsylvania 19482.0840 U.S.A.

(72)Name of Inventor:

1)LI Hong Xin

2) CORMIER William E.

3)MODEN Bjorn

### (57) Abstract:

There is disclosed a microporous crystalline material having pore opening ranging from 3 to 5 Angstroms where the material comprises a first metal chosen from alkali earth group rare earth group alkali group or mixtures thereof and a second metal chosen from iron copper or mixtures thereof; and has a molar silica to alumina ratio (SAR) from 3 to 10. The microporous crystalline material disclosed herein may comprise a crystal structure having building units of double 6 rings (d6r) and pore opening of 8 rings as exemplified with framework types defined by the Structure Commission of the International Zeolite Association having structural codes of CHA LEV AEI AFT AFX EAB ERI KFI SAT TSC and SAV. There is also disclosed a method of selective catalytic reduction of nitrogen oxides in exhaust gas comprising at least partially contacting the exhaust gases with an article comprising the disclosed microporous crystalline material.

No. of Pages: 31 No. of Claims: 16

(21) Application No.4717/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LANGUAGE TEACHING SYSTEM THAT FACILITATES MENTOR INVOLVEMENT

(51) International classification :G09B19/06,G09B5/06,G06Q50/20

(31) Priority Document No :13/301639 (32) Priority Date :21/11/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/065936

No :19/11/2012

Filing Date :19/11/2012

(87) International Publication .

No

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

Filing Date
(62) Divisional to Application
Number
Filing Date

NA

NA

NA

:WO 2013/078148

(57) Abstract :

(71)Name of Applicant :

1)AGE OF LEARNING INC.

Address of Applicant :101 N. Brand Blvd. Suite 870 Glendale

CA 91203 U.S.A.

(72)Name of Inventor: 1)DOHRING Doug

2)MCCAFFREY William

Disclosed herein in certain embodiments are computer based language immersion teaching systems products programs and methods comprising a digital processing device and a computer program that creates a language immersion teaching environment wherein said environment comprises: a plurality of learning activities associated with a target language; a software module for providing voiceover audio in said target language; and a software module for providing translation of said voiceover and/or text from said target language to a specified language wherein said translation is both written and voiced and wherein said software module for providing translation of voiceover and/or text is adapted for use by a mentor to a learner of said target language.

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

(21) Application No.4282/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR QUANTIFYING BINARY WORDS SYMMETRY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G06F7/00 :NA :NA :NA :PCT/IB2012/053065 :18/06/2012 :WO 2013/190346 :NA :NA	(71)Name of Applicant:  1)ABELLAOUI Lahcen Address of Applicant: 9 street 18 Maadi 11341 Cairo Egypt (72)Name of Inventor: 1)ABELLAOUI Lahcen
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an innovative method and system for quantifying the binary words symmetry. Information of all kinds is necessarily interpreted by binary words. Quantifying the symmetry of these binary words regardless of their size is a new approach that makes available a new measure that can better appreciate the complexity the information the redundancy or the physical structure contained in each binary word and hence in its source. Binary numbers processing can thanks to this measure have new tools for new approaches in many areas such as Information Theory and Theory of Symmetry which plays a significant role in Mathematics, Chemistry, Biology, Crystallography, etc. This method is based on computational system that generates the concerned Symmetric Value of any binary number as well as its two amazing Symmetric Value Matrixes which do not require storage to be known regardless of their size.

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

(19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.4283/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: CONVEYING DEVICE FOR LEADS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H01B13/00 :01809/11 :11/11/2011 :Switzerland :PCT/IB2012/056303 :09/11/2012 :WO 2013/068984 :NA :NA	(71)Name of Applicant:  1)SCHLEUNIGER HOLDING AG Address of Applicant: Bierigutstrasse 9 CH 3608 Thun Switzerland (72)Name of Inventor: 1)WORTMANN Thomas 2)SCHTZ Peter
- 14 4-	•- •-	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a conveying device for conveying electrical or optical leads (8) such as wires cables lead bundles optical fibres etc. comprising a gripper (3) for gripping a lead (8) the gripper (3) being movable along a guide (1) between a first position (5) and a second position (6) characterised in that an operative interface is provided in both the region of the first position (5) and in the region of the second position (6) said interface being designed to operatively connect to the gripper (3) and move the gripper into a closed position or an open position if the gripper (3) is in one of these two positions (5, 6).

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

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: CARTRIDGE FOR CONTAINING A SAMPLE

(51) International classification :G01N21/65,6 (31) Priority Document No :1119624.3 (32) Priority Date :14/11/2011 (33) Name of priority country :U.K.

(86) International Application No :PCT/GB2012/052801

Filing Date :12/11/2012 (87) International Publication No :WO 2013/072672

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

:G01N21/65,G01N30/74 (71)**Name of Applicant :** :1119624.3 **1)TOXIMET LIMITED** 

Address of Applicant :130 Abbott Drive Kent Science Park

Sittingbourne Kent ME9 8AZ U.K.

(21) Application No.4711/DELNP/2014 A

(72)Name of Inventor: 1)COKER Raymond

### (57) Abstract:

The present invention relates to a cartridge for containing a sample for example a sample to be analysed in an analyser such as a spectroscopic analyser. A cartridge for containing a sample to be analysed by an analyser such as a spectroscopic analyser said cartridge comprising: an upper member including a reservoir; a lower member said upper and lower members being interconnected by a tube for containing the sample and the lower member including a coupling for connection to a driven rotary means of said analyser whereby the cartridge may be rotated about its axis.

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

(21) Application No.4712/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : FREE FLOWING SLURRIES OF SMALL PARTICLES OF AN ALKALI OR ALKALINE EARTH METAL BOROHYDRIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/594464 :03/02/2012 :U.S.A.	(71)Name of Applicant:  1)ROHM AND HAAS COMPANY Address of Applicant:100 Independence Mall West Philadelphia PA 19106 U.S.A. (72)Name of Inventor:  1)BUTTERICK Robert 2)KOSTANSEK Edward Charles 3)YAMAMOTO John Hiroshi 4)BENDER Michael 5)NOVEMBER Samuel
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### (57) Abstract:

A method for dispersing an alkali or alkaline earth metal borohydride having median particle size less than 30 microns in an organic solvent. The method comprises combining the alkali or alkaline earth metal borohydride the organic solvent and a surfactant.

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

(12) TATENT ALLECATION TODLICATION

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: VIRTUAL COMPUTER SCHEDULE METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant: 1)HITACHI LTD. Address of Applicant: 6 6 Marunouchi 1 chome Chiyoda ku Tokyo 1008280 Japan (72)Name of Inventor: 1)KIM Sungho 2)OHIRA Takahiro
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(21) Application No.4713/DELNP/2014 A

#### (57) Abstract:

(19) INDIA

In a virtualized system that runs multiple virtual computers due to a restriction on a CPU core resource and due to a process delay in I/O control specific to the virtualized system it has been difficult to operate a virtual computer demanding real time performance. In the present invention in a virtualized system that runs multiple virtual computers: applications processed on the virtual computers are grouped by priority level; the start of a first task of each priority level group is managed as a process deadline for the priority level group; and the end of a last task of each priority level group is managed as a process deadline for the priority level group; and a host operating system is notified of a process start of each priority level group and is notified of a process end of each priority level group. The host operating system: receives the start notification for each priority level group and receives the end notification for each priority level group; adjusts the priority level of a virtual computer; and in response to an interrupt process from an external device restricts the number of interrupt notifications so as to meet the deadlines of the highest priority level group among the virtual computers.

No. of Pages: 59 No. of Claims: 4

(21) Application No.4327/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ORTHOPAEDIC IMPLANT WITH DYNAMIC TRANS FIXATION SLOT

(51) International classification	n:A61F2/28,A61B17/68,A61B17/82	(71)Name of Applicant:
(31) Priority Document No	:61/565452	1)SMITH & NEPHEW INC.
(32) Priority Date	:30/11/2011	Address of Applicant :1450 Brooks Road Memphis Tennessee
(33) Name of priority country	:U.S.A.	38116 U.S.A.
(86) International Application	:PCT/US2012/067185	(72)Name of Inventor :
No	:30/11/2012	1)WATANABE Kohsuke
Filing Date	.50/11/2012	2)TORNETTA Paul
(87) International Publication No	:WO 2013/082354	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An orthopaedic implant for use with a fastener having at least one of threads and grooves includes a body defining a long axis. The body includes an inner wall defining an elongated slot. The inner wall includes a pair of opposing walls and a single projection disposed on the inner wall. When the fastener is inserted into the slot the single projection slidably fits within a groove of the fastener to limit sliding of the implant over the fastener along an axis substantially transverse to the long axis and to permit sliding of the implant over the fastener along the long axis.

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

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: ANTI REFLECTING LINING STRUCTURE WITH A DIFFRACTION GRATING USING RESONANT ELEMENTS

(51) International classification: H01Q15/14,E04F13/12,H01Q1/52 (71) Name of Applicant:

:04/12/2012

:WO 2013/083572

(31) Priority Document No :1161242 (32) Priority Date :06/12/2011

(33) Name of priority country :France

(86) International Application :PCT/EP2012/074382

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)EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE

Address of Applicant :37 Boulevard de Montmorency F 75016

Paris France

(72)Name of Inventor:

1)THAIN Andrew

2)PERES Gilles

(57) Abstract:

A diffractive device for fitting to a fa\(\)add (11) of a building or to any other reflective wall exposed to electromagnetic radiation emitted by a source located at a distance from the building the device comprising a plurality of tubular resonant elements (12) arranged on the fa\ade of said building characterised in that said resonant elements are arranged in a substantially parallel manner on the fa\(\)add (11) of said building in such a way as to form a diffraction grating and are oriented in a substantially perpendicular direction to the plane defined by the propagation vectors of the incident and reflected electromagnetic waves each resonant element (12) being configured to form an LC resonator capable of re radiating a wave corresponding to the incident wave affected by a phase shift; the set of resonant elements being arranged in such a way that the incident wave is diffracted in a preferential direction. The diffraction grating formed in this way is advantageously not as thick as the existing devices. The overall structure is both lighter and less susceptible to deformation.

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

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : LINERLESS LABELS AND ACTIVATABLE ADHESIVES SYSTEMS MACHINES AND METHODS 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> </ul>	:28/11/2012	1)AVERY DENNISON CORPORATION Address of Applicant :150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)IYER Pradeep S. 2)EDWARDS David N.
<ul> <li>(61) Patent of Addition to</li> <li>Application Number     <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number     <ul> <li>Filing Date</li> </ul> </li> </ul>	:NA :NA :NA :NA	3)LICON Mark A. 4)KIAN Kourosh 5)LENKL Johannes 6)BHARADWAJ Rishikesh K. 7)MALLYA Prakash 8)HSEIH Dong

# (57) Abstract:

A SYSTEM IS DISCLOSED FOR PRINTING ACTIVATING AND APPLYING A FLOW OF LINERLESS ACTIVATABLE LABELS (151) TO A FLOW OF ITEMS TO BE LABELED. AN ACTIVATABLE ADHESIVE IS FORMULATED TO READILY ABSORB ENERGY FROM A GIVEN RADIATION SOURCE (142) AN ACTIVATABLE ADHESIVE LINERLESS LABEL (151) INCORPORATES SUCH THE ACTIVATABLE ADHESIVE. RELATED METHODS AND USES ARE DESCRIBED. THE ACTIVATABLE ADHESIVE INCLUDES A PLASTICIZER A TACKIFIER AND AN ADHESIVE BASE POLYMER THAT INCLUDES BUTYL ACRYLATE STYRENE METHYL METHACRYLATE METHACRYLIC ACID AND ACRYLIC ACID.

No. of Pages: 105 No. of Claims: 47

(19) INDIA

(22) Date of filing of Application :10/06/2014

(21) Application No.4720/DELNP/2014 A

(43) Publication Date: 20/02/2015

### (54) Title of the invention: E LEARNING LESSON DELIVERY 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:G06Q50/20 :13/301641 :21/11/2011 :U.S.A. :PCT/US2012/065940 :19/11/2012 :WO 2013/078149 :NA :NA	(71)Name of Applicant:  1)AGE OF LEARNING INC.  Address of Applicant:101 N. Brand Blvd. Suite 870 Glendale CA 91203 U.S.A.  (72)Name of Inventor:  1)DOHRING Doug  2)MCCAFFREY William  3)HENDRY David
. ,		3)HENDRY David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed herein are e learning lesson delivery platforms products programs and methods comprising a digital processing device and a program that creates a lesson delivery server wherein said server comprises: a plurality of learning activities wherein said activities are organized according to an instructional plan designed to accomplish one or more educational objectives in at least one subject wherein said plan identifies one or more activities for use in a guided environment and one or more activities for assignment as independent work; a module for displaying and providing access to said one or more activities in a guided environment; a module for assigning said one or more activities as independent work to one or more learners wherein said module is only accessible by a mentor; and a module for displaying and providing access to activities assigned as independent work wherein said module is accessible by a mentor or a learner.

No. of Pages: 43 No. of Claims: 20

(22) Date of filing of Application :26/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: AUTOMOBILE

(51) International classification :B62D6/00,B60K7/00,B60L15/20 (71)Name of Applicant: :2011258657

(31) Priority Document No (32) Priority Date :28/11/2011 (33) Name of priority country :Japan

(86) International Application :PCT/JP2012/080324

No :22/11/2012 Filing Date

(87) International Publication :WO 2013/080886

(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

(21) Application No.4228/DELNP/2014 A

(72)Name of Inventor: 1)MAKINO Tomoaki 2)YAMAGATA Akira

### (57) Abstract:

(19) INDIA

Provided is an automobile which has at least three wheels (1, 2), and which has independent steering mechanisms (4) capable of steering in all of the wheels (1, 2), wherein the drive wheels among the wheels (1, 2) are driven by travel driving mechanisms (5), each of which includes an independent motor (6). Thus, abnormal travel, such as pivoting and moving sideways, is rendered possible. This automobile having the aforementioned configuration is provided with a travel mode switching means (41) for switching between a normal travel drive mode and an abnormal travel drive mode in accordance with an operation by the driver. As a result of this configuration, travel mode switching between the abnormal travel mode and the normal travel mode can be implemented in accordance with the intent of the driver, without unexpected switching.

No. of Pages: 36 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :26/05/2014

(21) Application No.4229/DELNP/2014 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: METHOD FOR PLACING AN ELECTRONIC PRINTED CARD IN CONTACT WITH A PLURALITY OF CONTACT ELEMENTS IN A HOUSING RECEIVING OR SURROUNDING THE ELECTRONIC PRINTED CARD AND HOUSING

(51) International classification	:H01R12/72	(71)Name of Applicant :
(31) Priority Document No	:10 2011 119 576.2	1)JOHNSON CONTROLS AUTOMOTIVE
(32) Priority Date	:26/11/2011	ELECTRONICS SAS
(33) Name of priority country	:Germany	Address of Applicant :10 Avenue de lEntreprise F 95892
(86) International Application No	:PCT/EP2012/071635	Cergy Pontoise Cedex France
Filing Date	:31/10/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/075919	1)BOX Benoit
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

There is proposed a method for placing an electronic printed card in contact with a plurality of contact elements in a housing receiving or surrounding the electronic printed card the electronic printed card being received in the housing the electronic printed card comprising a plurality of contact recesses the contact elements comprising a first end on the outer side of the housing and a second end on the inner side of the housing each of the contact elements comprise at the location of its second end at least one flexible extension being capable of being positioned in a first rest position and a second contact position the method comprising: a first step during which the electronic printed card is positioned relative to the housing in such a way that the two ends of the contact elements are located facing the contact recesses the flexible extensions being positioned in their first position and a second step during which the electronic printed card is electrically contacted by way of on the one hand the plurality of contact recesses and on the other hand the flexible extensions of the second end of the contact elements the flexible extensions being positioned in their second position.

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

(21) Application No.4727/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: STRIGOLACTAM DERIVATIVES AS PLANT GROWTH REGULATING COMPOUNDS

(51) International classification :C07D209/70,C07D405/12,A01N43/38

(31) Priority Document No:1121803.9 (32) Priority Date :16/12/2011

(33) Name of priority :U.K.

country

(86) International :PCT/EP2012/075595

Application No Filing Date :14/12/2012

(87) International

Publication No :WO 2013/087864

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

NA

NA

NA

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor:

1)LACHIA Mathilde Denise 2)DE MESMAEKER Alain

3) VILLEDIEU PERCHERON Emmanuelle

4)WOLF Hanno Christian 5)JUNG Pierre Joseph Marcel

6)LANFERMEIJER Franciscus Cornelis 7)VAN DEN WIJNGARD Paul Willem Jan

8)SCREPANTI Claudio

# (57) Abstract:

Filing Date

The present invention relates to novel strigolactam derivatives of formula (I) to processes and intermediates for preparing them to plant growth regulator compositions comprising them and to methods of using them for controlling the growth of plants and/or promoting the germination of seeds.

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

(21) Application No.4728/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: SILICONE RESINS COMPRISING METALLOSILOXANE

(51) International classification :C08G77/56,C08G77/58,C08G77/28

(31) Priority Document No :1119824.9 (32) Priority Date :17/11/2011

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

(86) International PCT/EP2012/072628
Application No

Filing Date :14/11/2012

(87) International Publication :WO 2013/072370

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)DOW CORNING CORPORATION

Address of Applicant :2200 West Salzburg Road PO Box 994

Midland MI 48611 U.S.A. (72)Name of Inventor:
1)RERAT Vincent

2)PIERRE David

# (57) Abstract:

The invention relates to silicone resins comprising metallosiloxane which contains Si O Metal bonds or borosiloxane containing Si O B bonds and potentially Si O Si and/or B O B bonds and containing sulfur. It also relates to the preparation of such silicone resins and to their use in thermoplastic or thermosetting organic polymer or rubber or thermoplastic/rubber blends compositions to reduce the flammability or enhanced scratch and/or abrasion resistance of the organic polymer compositions. It further relates to coatings made of such silicone resins for scratch resistance enhancement or flame retardant properties.

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

(21) Application No.4427/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: DISPLAY DEVICE AND DISPLAY CONTROL PROGRAM

(51) International :G06F3/048,G06F3/01,G06F3/0346 classification

(31) Priority Document No :2011-253805 (32) Priority Date :21/11/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/080107

:20/11/2012 Filing Date

(87) International Publication :WO 2013/077338

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)NIKON CORPORATION

Address of Applicant: 12 1 Yurakucho 1 chome Chiyoda ku

Tokyo 1008331 Japan (72)Name of Inventor: 1)KURIBAYASHI Hidenori

2)OTSUKI Masaki

3)CHIAKI Kenzo

# (57) Abstract:

A display device is provided with: a display unit for displaying an image containing a stereoimage based on binocular disparity; a detection unit for detecting a masking object masking the stereoimage; and a control unit for determining on the basis of the detection result of the detection unit the display state and/or the masking state of the stereoimage by means of the masking object and for controlling the display of a related object related to the stereoimage on the basis of the said determination result.

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

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

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LOCK EQUIPPED MEMBER FOR GUIDING A DISC BRAKE PAD AND DISC BRAKE PROVIDED WITH SUCH GUIDING MEMBERS

Germany

(51) International classification :F16D65/097,F16D55/226 (71)Name of Applicant:

(31) Priority Document No :1103873 (32) Priority Date :15/12/2011 (33) Name of priority country :France

(86) International Application No :PCT/EP2012/075578

Filing Date :14/12/2012 (87) International Publication No :WO 2013/087854

(61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA (72)Name of Inventor:1)BERNARD Simon2)MERRIEN Sandra3)MAHOUDEAUX Roger

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

(57) Abstract:

Filing Date

The invention relates to a member (4) for guiding a disc brake pad that is secured by the lugs thereof in the housing of the arms of the brake calliper. The member (4) comprises a body having a U-shaped section formed by an inner radial surface (42) a base (41) and an outer radial surface (43) disposed in the housing in the arm. The inner side of the body is bordered by an inner supporting surface (45) disposed against the inner surface (225) of the arm and an outer supporting surface (44) disposed against the front (251) of the stud (25) to which the member (4) is secured. The aforementioned surface (44) extends into a supporting surface (45) toward the front. The body comprises a locking tongue (48) that extends beyond the edge of the boy in order to be hooked in the housing (22).

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

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

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) 1

(43) Publication Date: 20/02/2015

# (54) Title of the invention : DOSING ARRANGEMENT FOR A LIQUID EXHAUST GAS AFTER TREATMENT MEDIUM AND DOSING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:06/12/2012 :WO 2013/087491 :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)ZERBIN Siegfried  2)GOTTWALD Frank  3)HAMZIC Mirza
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	
(55) 11		-

### (57) Abstract:

The invention relates to a dosing arrangement (3, 30) for a liquid exhaust gas after treatment medium for the after treatment of the exhaust gas from an internal combustion engine having an exhaust gas system particularly for a urea water solution having a delivery pump (7) and a dosing module (13) wherein the delivery pump (7) is connected to a suction line (23) for drawing in the exhaust gas after treatment medium from a tank (1); the delivery pump (7) and the dosing module (13) are connected to one another via a pressure line (25) and the exhaust gas after treatment medium can be fed to the exhaust gas system via the dosing module (13); a recirculation pump (8) connected on the suction side to the dosing module (13) is provided; and the exhaust gas after treatment medium pumped by the recirculation pump (8) can be returned on the high pressure side via a line which is not the same as the suction line (23) to the tank enabling the lines (23, 25) to be flushed with the exhaust gas after treatment medium as necessary. The invention further relates to a corresponding method for dosing.

No. of Pages: 12 No. of Claims: 11

(21) Application No.4734/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : PLASTIC ANTI TWIST COMPONENT FOR AN ELECTRICAL CABLE ON AN ELECTRICAL CONNECTION PART OF AN 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 Filing Date</li> </ul>	:H02K5/22 :10 2011 089 441.1 :21/12/2011 :Germany :PCT/EP2012/074302 :04/12/2012 :WO 2013/092194 :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)SEKERTZIS Vassilios 2)SCHULZ Martin
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### (57) Abstract:

The invention relates to a plastic anti twist component for an electric cable on an electric machine which component has guide walls that bound a receiving path lying therebetween for receiving and rotationally securing the electrical cable. Two guide walls are arranged at an offset from each other in the longitudinal direction of the receiving path lying therebetween wherein two mold removal paths running opposite each other and arranged at an offset are formed orthogonal to the receiving path.

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

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

### (54) Title of the invention: INTERNAL COOLING SYSTEM FOR MECHANICAL SEALS AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:09/11/2012 :WO 2013/068992 :NA :NA	(71)Name of Applicant:  1)EIQUIPETROL INDŠSTRIA E COM‰RCIO DE EQUIPAMENTOS MEC,NICOS LDA Address of Applicant: Rua Joaquim Dias Salgueiro 700 Lote 5 P 4470 777 Vila Nova Da Telha Maia Portugal (72)Name of Inventor: 1)DA COSTA NEVES Jo£o
- 141 4-	:NA :NA :NA	

### (57) Abstract:

The present invention relates to a internal cooling system for a mechanical seal with the main objective to provide thereto conditions of greater reliability and longer service life periods in particular when applied to rotating pumping devices operating at temperatures lower than 420 °C and pressures of less than 3,3 MPa being the pressures susceptible to alteration depending on the dimension of the seal product to be pumped and its rotating speed. The system comprises the implementation of an internal circuit in the body of the mechanical seal through which a cooling fluid will circulate preferably an inert gas at a stable pressure which will cool the critical areas thus preventing that the temperature exceeds 180 °C in these points. This system can also be applied to an already existing seal as long as the service conditions are known. The cooling system is applied to seals in order to seal chemical or petrochemicals products such as for example pumping of crude oil and derivatives thereof.

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

(21) Application No.4687/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date: 20/02/2015

(54) Title of the invention: POWER MODULE SUBSTRATE SUBSTRATE FOR POWER MODULE WITH HEAT SINK POWER MODULE PASTE FOR FORMING FLUX COMPONENT PENETRATION PREVENTION LAYER AND BONDING METHOD FOR ARTICLE TO BE BONDED

(51) International classification: H01L23/36,B23K1/00,H01L23/12 (71) Name of Applicant:

:WO 2013/089099

(31) Priority Document No :2011271081 (32) Priority Date :12/12/2011

(33) Name of priority country : Japan

(86) International Application :PCT/JP2012/082066

No Filing Date

:11/12/2012

(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)MITSUBISHI MATERIALS CORPORATION

Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan (72)Name of Inventor: 1)NISHIKAWA Kimihito 2)NISHIMOTO Shuuii 3)KITAHARA Takeshi

4)NAGASE Toshiyuki

Provided is a power module substrate (10) in which a circuit layer (12) is formed on one surface of an insulating layer (11) a metal layer (13) is formed on another surface of the insulating layer (11) and flux is used on another surface of the metal layer (13) to bond an article to be bonded. Flux component penetration prevention layers (51) are formed on peripheral edge sections of a surface at which the insulating layer (11) and the metal layer (13) are bonded.

No. of Pages: 54 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMPROVED METHOD FOR SELECTIVELY OXIDIZING 5 HYDROXYMETHYL FURALDEHYDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:18/12/2012 :WO 2013/093322 :NA	(71)Name of Applicant:  1)ROQUETTE FRERES  Address of Applicant: 1 rue de la Haute Loge F 62136  Lestrem France (72)Name of Inventor:  1)DAMBRINE Laurent 2)IBERT Mathias
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for oxidizing 5 hydroxymethyl furaldehyde including at least one step of oxidation in the presence of an organic acid a nitroxyl radical an oxygen source and an oxygen transfer agent.

No. of Pages: 23 No. of Claims: 12

(21) Application No.4689/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: PRESSURE RELIEF VALVE FOR CONTAINERS SUITED FOR THE PNEUMATIC LOADING OF LOOSE SOLID PRODUCTS IN PARTICULAR SILOS

(51) International :B65G53/12,B65G53/54,B65G53/60 classification

(31) Priority Document No :BO2011A000668 (32) Priority Date :23/11/2011

(33) Name of priority country: Italy

(86) International :PCT/IB2012/056690

Application No :23/11/2012 Filing Date

(87) International Publication :WO 2013/076704

(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)WAMGROUP S.P.A.

Address of Applicant: Strada degli Schiocchi 12 Modena Italy

(72)Name of Inventor: 1)MARCHESINI Vainer 2)GOLINELLI Luca

### (57) Abstract:

A pressure relief valve (1) for containers (3) suited for the pneumatic loading of loose solid products in particular silos. The valve (1) comprises a valve body (2) having a first end which pneumatically communicates with the inside of the container (3) and a second end which is associated to a flow control organ (7) which is subject to the action of corresponding closing membrane (8). The flow control organ (7) periodically establishes. a fluid communication between said valve body (2) and a duct (22) that communicates with the outside. The valve (1) is characterised in that at least one portion of the duct (22) that communicates with the outside is suited to be elastically deformed by the pressure difference existing between the inside of said container (3) and the inside of the duct (22) itself.

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

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

:NA

## (54) Title of the invention: FLUIDIC MODULE PERMANENT STACK ASSEMBLIES AND METHODS

(51) International classification :B01J19/00,C03B23/24 (71)Name of Applicant : (31) Priority Document No 1)CORNING INCORPORATED :61/565136 Address of Applicant: 1 Riverfront Plaza Corning New York (32) Priority Date :30/11/2011 (33) Name of priority country :U.S.A. 14831 U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2012/067177 Filing Date :30/11/2012 1)DANNOUX Thierry Luc Alain (87) International Publication No :WO 2013/082347 2) GREMETZ Sylvain Maxime F (61) Patent of Addition to Application 3)LOBET Olivier :NA 4)TANGUY Ronan :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

The present disclosure provides an assembled stack of fluidic modules comprising at least first and second fluidic modules assembled in a stacked configuration. The first fluidic module has first and second major planar surfaces and encloses a first fluidic passage extending therethrough from a first passage entrance to a first passage exit with the first passage exit located on the second major planar surface of the first fluidic module. The second fluidic module also has first and second major planar surfaces and encloses a second fluidic passage extending therethrough from a second passage entrance to a second passage exit with the second passage entrance located on the first major planar surface of the second fluidic module. The second major planar surface of the first fluidic module and the first major planar surface of the second fluidic module are spaced apart and physically joined together by at least three separate glass or glass ceramic pads fused therebetween and the at least three pads include at least one pad having no through hole and at least one pad having a through hole with the through hole forming a sealed fluidic interconnection between the first fluidic passage and the second fluidic passage. A method of forming the assembled stack is also disclosed.

No. of Pages: 22 No. of Claims: 13

(22) Date of filing of Application :29/05/2014 (43)

(43) Publication Date: 20/02/2015

# (54) Title of the invention : MOULDING ELEMENT COMPRISING CUTTING MEANS FOR MOULDING AND CURING A TREAD OF A TYRE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29D30/06 :1161762 :16/12/2011 :France :PCT/EP2012/075512 :14/12/2012 :WO 2013/087826 :NA :NA	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 Cours Sablon F 63000 Clermont Ferrand France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)DUVERNIER Marc  2)ABAD Vincent  3)PERRIN Frdric
Filing Date	:NA	

# (57) Abstract:

The invention relates to a moulding element (1) of a mould for moulding and curing a tread of a tyre said tread comprising a tread surface intended to make contact with the ground during the rotation of the tyre. The moulding element comprises a moulding surface (3) intended to mould part of the tread surface of the tyre and a blade (5) of length L and height H intended to mould an incision or groove in the tread. The above mentioned blade comprises a rounded end extending along the length of the blade in a direction of extension X. The moulding element also comprises two cutting means (7) disposed on each side of the blade at a certain distance therefrom. Each cutting means (7) includes an edge extending along the direction of extension and forming an acute angle in a cutting plane perpendicular to the direction of extension the height of said edge being greater than or equal to the height of the blade.

No. of Pages: 26 No. of Claims: 12

(21) Application No.4692/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHODS FOR PREVENTING OR TREATING DISORDERS BY INCREASING BIOAVAILABILITY OF IRON AND RELATED PHARMACEUTICAL FORMULATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:12/12/2012 :WO 2013/087654 :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)HOHLBAUM Andreas 2)GILLE Hendrik 3)TRENTMANN Stefan 4)AUDOLY Laurent 5)ALLERSDORFER Andrea
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present disclosure relates to methods of treating ameliorating or preventing a disorder comprising administering a therapeutically effective amount of a composition to a subject in need thereof which composition contains a lipocalin mutein or a fragment or a variant thereof capable of increasing the bioavailability of iron in the subject.

No. of Pages: 52 No. of Claims: 17

(21) Application No.4693/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : LINING HOLDER DISC HAVING SMOOTH ENGAGEMENT MEANS MADE OF AN ELASTOMER 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</li> </ul>	:F16D13/64 :1161042 :01/12/2011 :France :PCT/FR2012/052757 :29/11/2012 :WO 2013/079875 :NA :NA	(71)Name of Applicant:  1)VALEO MATERIAUX DE FRICTION Address of Applicant: Zone Industrielle Nord Rue Thimonier F 87020 Limoges France (72)Name of Inventor: 1)ADAMCZAK Lo-c 2)CROSLAND Grard 3)DELAVENTE Franck 4)GUYOT Daniel 5)MAYSONNADE FRance
(61) Patent of Addition to Application	:NA	3)DELAVENTE Franck
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a lining holder disc (1) for a clutch disc comprising two parallel supporting elements (2a,2b) including an annular peripheral portion (3) having an outer surface for receiving a friction lining (6) and an inner surface engaging with a smooth engagement means (5a,5b,5c) and means (4) for linking to the clutch disc extending radially inwards abutment means (7a,7b) projecting axially towards the other supporting element (2b,2a) such as to limit the clamping range of the supporting elements (2a,2b) towards one another and smooth engagement means (5a,5b,5c) made of an elastomer material forming a spring inserted between the inner surfaces of the annular peripheral portions (3).

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

(21) Application No.4694/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: COMPOSITIONS USEFUL FOR THE HYDROLYSIS OF GUAR IN HIGH PH ENVIRONMENTS AND METHODS RELATED THERETO

(51) International classification :C09K8/68,C09K8/90,C09K8/88 (71) Name of Applicant:

(31) Priority Document No :13/351137 (32) Priority Date :16/01/2012

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

(86) International Application No:PCT/US2013/021133

Filing Date :11/01/2013 (87) International Publication No: WO 2013/109468

(61) Patent of Addition to :NA

Application Number :NA Filing Date

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

(57) Abstract:

1)BAKER HUGHES INCORPORATED

Address of Applicant :2929 Allen Parkway Suite 2100

Houston Texas 77019 U.S.A. (72)Name of Inventor:

1)ARMSTRONG Charles David

Methods and compositions of fracturing formations are provided. The fracturing fluid includes an enzyme breaker that decreases the viscosity of the fracturing fluid over time. The enzyme breaker can be used in environments having a pH vaue ranging from about 7 to about 12.

No. of Pages: 46 No. of Claims: 22

(21) Application No.4751/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : A GAUGE ARTEFACT AND METHOD FOR CHECKING A COORDINATE POSITIONING 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) Potent of Addition to Application</li> </ul>	:G01B21/04 :61/577928 :20/12/2011 :U.S.A. :PCT/GB2012/000915 :19/12/2012 :WO 2013/093397	(71)Name of Applicant: 1)RENISHAW PLC Address of Applicant: New Mills Wotton under Edge Gloucesteshire GL12 8JR U.K. (72)Name of Inventor: 1)SOMERVILLE Leo Christopher
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract:

This invention concerns a gauge artefact (100) comprising a base (102) for mounting on a table of a coordinate positioning machine and a platform (108) comprising at least two portions having a nominally identical geometric property. The platform (108) is locatable relative to the base (102) in at least two positions such that each of the at least two portions having the nominally identical geometric property can be presented at a common location relative to the base (102). The platform (108) may be arranged such that the positions of the portions having a nominally identical geometric property can be interchanged by movement of the platform (108) between at least two distinct positions. The positions may be interchanged through rotation of the platform (108). The invention also concerns a method of checking a coordinate measuring machine.

No. of Pages: 31 No. of Claims: 24

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : YEAST STRAINS ENGINEERED TO PRODUCE ETHANOL FROM ACETIC ACID AND GLYCEROL

(51) International classification	:C12P7/10,C12N1/18,C12N1/22	(71)Name of Applicant:
(31) Priority Document No	:11191333.1	1)DSM IP ASSETS B.V.
(32) Priority Date	:30/11/2011	Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/NL2012/050841	(72)Name of Inventor:
Filing Date	:26/11/2012	1)DE BONT Johannes Adrianus Maria
(87) International Publication No	:WO 2013/081456	2)TEUNISSEN Aloysius Wilhelmus Rudolphus Hubertus
(61) Patent of Addition to	:NA	3)KLAASSEN Paul
Application Number	*	4)HARTMAN Wouter Willem Antonius
Filing Date	:NA	5)VAN BEUSEKOM Shimaira
(62) Divisional to Application	.NTA	
Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to processes for producing ethanol from lignocellulosic hydrolysates comprising hexoses pentoses and acetic acid whereby genetically modified yeast cells are use that comprise an exogenous gene encoding an acetaldehyde dehydrogenase and a bacterial gene encoding an enzyme with NAD + - linked glycerol dehydrogenase activity. The process is further characterised in that glycerol is present in or fed into the culture medium whereby the modified yeast cell ferments the hexoses pentoses acetic acid and glycerolto ethanol. The invention further relates to yeast cells for use in such processes. The yeast cells advantageously comprise genetic modifications that improve glycerol utilization such as modifications that increase one or more of dihydroxyacetone kinase activity and transport of glycerol into the cell. The yeast cell further preferably comprises functional exogenous xylose isomerase gene and/or functional exogenous genes which confer to the cell the ability to convert L arabinose into D-xylulose 5-phosphate and they may comprise a genetic modification that increase acetyl-CoA synthetase activity.

No. of Pages: 65 No. of Claims: 15

(12) TATENT ATTEICATION TOBEICATION

(22) Date of filing of Application :30/05/2014

(21) Application No.4398/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: THROMBIN BINDING ANTIBODY MOLECULES AND USES THEREOF

(31) Priority Document No       :1121513.4       1)CAI         (32) Priority Date       :14/12/2011       Add         (33) Name of priority country       :U.K.       Cambrid         (86) International Application No       :PCT/GB2012/053140       (72)Nar         Filing Date       :14/12/2012       1)HU         (87) International Publication No       :WO 2013/088164       2)BAG	Name of Applicant: CAMBRIDGE ENTERPRISE LIMITED Address of Applicant: The Old Schools Trinity Lane bridge Cambridgeshire CB2 1TN U.K. Name of Inventor: HUNTINGTON James Andrew BAGLIN Trevor LANGDOWN Jonathan
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# (57) Abstract:

This invention relates to isolated antibodies which recognise the exosite 1 epitope of thrombin and selectively inhibit thrombin without promoting bleeding. These antibody molecules may be useful in the treatment and prevention of thrombosis embolism and other conditions mediated by thrombin.

No. of Pages: 56 No. of Claims: 26

(21) Application No.4762/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : APPARATUS FOR PREVENTING OVER INFLATION OF THE RETENTION BALLOON IN MEDICAL CATHETERS AND AIRWAY DEVICES

(51) International classification	:A61M25/04	(71)Name of Applicant :
(31) Priority Document No	:61/560489	1)CONVATEC TECHNOLOGIES INC.
(32) Priority Date	:16/11/2011	Address of Applicant :100 Headquarters Park Drive Skillman
(33) Name of priority country	:U.S.A.	New Jersey 08558 U.S.A.
(86) International Application No	:PCT/US2012/065239	2)GREGORY Christopher
Filing Date	:15/11/2012	3)JIN Yun
(87) International Publication No	:WO 2013/074763	4)CLINE John B.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)CONVATEC TECHNOLOGIES INC.
Filing Date	.11/1	2)GREGORY Christopher
(62) Divisional to Application Number	:NA	3)JIN Yun
Filing Date	:NA	4)CLINE John B.

# (57) Abstract:

The body has a fluid inlet port for receiving pressurized fluid and a fluid outlet port connected to the retention balloon. A first passage connects the fluid inlet port and the fluid outlet port A second passage in the body is connected to the balloon fluid return path and is at the pressure of the retention balloon. A. valve prevents fluid flow through the first passage when actuated. The valve includes a pressure responsive member movable to a position to obstruct fluid flow in response to fluid pressure in the second passage exceeding the predetermined level. Flexible means such as a membrane defines a normally open portion of the first fluid passage which is closed by the moveable means bearing on the membrane when pressure exceeding the predetermined level actuates the valve.

No. of Pages: 55 No. of Claims: 53

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: POLYCARBONATE PREPARATION METHOD

(71)Name of Applicant: :C08G64/24,C08G64/40 (51) International classification 1)WANHUA CHEMICAL GROUP CO. LTD. (31) Priority Document No :201110381696.3 Address of Applicant :No.7 Xingfu South Road Zhifu District (32) Priority Date :18/11/2011 Yantai Shandong 264002 China (33) Name of priority country :China 2)WANHUA CHEMICAL(NINGBO) CO. LTD. (86) International Application No :PCT/CN2012/084050 (72)Name of Inventor: Filing Date :05/11/2012 1)ZHANG Lei (87) International Publication No :WO 2013/071827 2)ZHANG Hongke (61) Patent of Addition to Application 3)HUA Weiqi Number :NA 4)SONG Linrong Filing Date 5)HU Yifeng (62) Divisional to Application Number :NA 6)ZANG Xiwang Filing Date :NA 7)FENG Kai

(21) Application No.4763/DELNP/2014 A

#### (57) Abstract:

Provided is a polycarbonate preparation method comprising the following steps: a) mixing a phenoxide water solution of a bisphenol and/or a polyphenol with a phosgene and inert organic solvent reacting and generating a polycarbonate oligomer; b) highly emulsifying the oligomer by reinforced micro dispersion mixing to form a stable emulsion; and c) introducing the emulsion into a polycondensation reactor for a chain extending reaction separating and finally obtaining the polycarbonate. Through the reinforced micro dispersion mixing the present method can prepare the polycarbonate high polymer in the absence of a catalyst thus simplifying the post treatment process of the product and improving product quality.

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NONWOVEN CEMENTITIOUS COMPOSITE FOR IN SITU HYDRATION

(51) International classification :B32B5/02,E04C5/07,B28B7/46 (71)Name of Applicant : (31) Priority Document No 1)CORTEX COMPOSITES LLC :61/554377 (32) Priority Date :01/11/2011 Address of Applicant :P.O. Box 62 Pacific Palisades (33) Name of priority country California 90272 U.S.A. :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2012/062831 1)KRASNOFF Curren E. Filing Date :31/10/2012 (87) International Publication No: WO 2013/067034 2)MOBASHER Barzin (61) Patent of Addition to 3)BONAKDAR Aboozar :NA **Application Number** 4)BERKE Neal S. :NA Filing Date 5)LEE David S. (62) Divisional to Application 6)LAU Jan :NA Number 7)MORRIS Jonathan :NA Filing Date 8)FEYH Marc

#### (57) Abstract:

One embodiment of the present disclosure relates to a cementitious composite material for in situ hydration having a mesh layer including a first side a second side and a plurality of fibers arranged in a nonwoven configuration; a cementitious material having a plurality of cementitious particles disposed within the mesh layer; a sealing layer disposed along the first side of the mesh layer and coupled to the plurality of nonwoven fibers; and a containment layer disposed along the second side of the mesh layer and configured to prevent the plurality of cementitious particles from migrating out of the mesh layer.

No. of Pages: 43 No. of Claims: 30

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD FOR TRANSMITTING DIGITAL INFORMATION PACKETS IN DATA NETWORK

(51) International classification	:H04J3/24	(71)Name of Applicant:
(31) Priority Document No	:10353974.3	1)siemens Aktiengesellschaft
(32) Priority Date	:19/11/2003	Address of Applicant: WITTELSBACHERPLATZ 2, D-
(33) Name of priority country	:Germany	80333 MUNICH, GERMANY Delhi India
(86) International Application No	:PCT/EP2004/052996	(72)Name of Inventor:
Filing Date	:17/11/2004	1)JURGEN PANDEL
(87) International Publication No	: NA	2)MARCEL WAGNER
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	,11/1	
(62) Divisional to Application Number	:1966/DELNP/2006	
Filed on	:10/04/2006	

### (57) Abstract:

The invention relates to a method for transmitting digital information packets (I\_1, I\_2,..., I\_M) in a data network from an emitter (BM-SC) to a receiver (UE), the information packets being transported by means of a transport layer. Said method is characterised by the following steps: the information packets (I\_1, I\_2,..., I\_M) to be transmitted are divided into at least two data packet groups (GM) in the emitter (BM-SC); redundancy information is respectively added to the data packet groups (GM) in the form of redundancy packets (RS\_1, RS\_2,..., RS\_L); the information packets (I\_1, I\_2,..., I\_M) and the redundancy packets (RS\_1, RS\_2,..., RS\_L) in the data packet groups (GM) are respectively completed with a signalisation field (AS) containing information used to determine the position of the respective information packet (I\_1, I\_2,..., I\_M) or the respective redundancy packet (RS\_1, RS\_2,..., RS\_L) inside the respective data packet group (GM); the data packet groups (GM) are transmitted to the receiver (UE); the signalisation fields (AS) of the information packets (I\_1, I\_2,..., I\_M) and redundancy packets (RS\_1, RS\_2,..., RS\_L) received are read out in the receiver (UE), and the positions of the information packets (I\_1, I\_2,..., I\_M) and the redundancy packets (RS\_1, RS\_2,..., RS\_L) are reconstructed in the data packet groups (GM) by means of the information in the signalisation fields (AS).

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

(21) Application No.4775/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: CONVEYOR DEVICE FOR COINS

(51) International

:G07D3/14,G07D13/00,B65G51/00

classification

(31) Priority Document No :102011055538.2 (32) Priority Date :18/11/2011

(33) Name of priority country: Germany (86) International Application

:PCT/EP2012/072534 :14/11/2012

Filing Date

(87) International Publication :WO 2013/072325

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)NOVOMATIC AG

Address of Applicant: Wiener Strasse 158 A 2352

Gumpoldskirchen Austria (72)Name of Inventor: 1)FAUL Thomas

2)LUFT Michael Rudolph

The invention relates to a conveyor device for coins (1) comprising means for moving at least one coin (1) in a predetermined movement direction (arrow 28) which differs from the effective direction of gravity under a force uninfluenced by a moved mechanical component said conveyor device (21) being coupled to a detection device (25) which identifies the presence of the coin (1) in order to accelerate the coins (1) in the predetermined movement direction (arrow 28) in accordance with requirements.

No. of Pages: 29 No. of Claims: 14

(21) Application No.4776/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: LEAD STORAGE CELL

(51) International

:H01M10/06,H01M4/14,H01M4/62

classification

(31) Priority Document No :2011251330

(32) Priority Date (33) Name of priority country: Japan

:17/11/2011

(86) International Application :PCT/JP2012/006021

Filing Date

:21/09/2012

(87) International Publication

:WO 2013/073091

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)PANASONIC CORPORATION

Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka

5718501 Japan

(72)Name of Inventor: 1)ANDO Kazunari

2)SUZUKI Kohei

The present invention provides a lead storage cell for installation in a vehicle having extended life as well as excellent discharge characteristics under harsh conditions such that it is possible to restart the engine even when left for an extended period subsequent to repeated engine start up. In this lead storage cell positive electrode plates of a positive electrode lattice filled with a paste containing a powder in which an oxide of lead is the principal component and negative electrode plates of a negative electrode lattice filled with a paste containing carbon black and a powder in which an oxide of lead is the principal component are arranged facing one another with separators therebetween into electrode plate groups. The surface area of generally lozenge shaped openings in the positive electrode lattice is 50 mm each to 100 mm each inclusive and the amount of DBP oil absorption by the carbon black is 140 mL/g to 340 mL/g inclusive.

No. of Pages: 25 No. of Claims: 6

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: POWER SUPPLY SYSTEM AND POWER CONDITIONER FOR CHARGING AND DISCHARGING

(51) International classification :H02J7/35,G05F1/67,H01M10/44 (71)Name of Applicant: (31) Priority Document No 1)PANASONIC CORPORATION :2011275024 (32) Priority Date :15/12/2011 Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka (33) Name of priority country :Japan 5718501 Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/073051 1)TAMURA Hideki :10/09/2012 Filing Date 2)KOSHIN Hiroaki (87) International Publication 3)KIDERA Kazunori :WO 2013/088799 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

### (57) Abstract:

Filing Date

Number

(62) Divisional to Application

:NA

:NA

During autonomous operation a power conditioner for power generation performs maximum power point tracking control so as to maximize generated power from a solar cell and a power conditioner for charging and discharging performs constant voltage control so that the voltage from an autonomous feed line detected by a voltage detector becomes the target value. When output power of the power conditioner for power generation is greater than consumed power of a load since the voltage detected by the voltage detector is greater than the target value a controller of the power conditioner for charging and discharging controls a charging and discharging circuit so as to charge a storage cell. When output power of the power conditioner for power generation is less than consumed power of the load since the detected voltage is less than the target value the controller controls the charging and discharging circuit so as to discharge the storage cell.

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

(21) Application No.4672/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: PROCESS FOR THE RECOVERY OF BETAINE FROM MOLASSES

(51) International

:C12P19/16,C12P19/18,C12P19/20 classification

(31) Priority Document No :EP11009055 (32) Priority Date :15/11/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/004732

:15/11/2012 Filing Date

(87) International Publication

:WO 2013/072048 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)TIENSE SUIKERRAFFINADERIJ N.V.

Address of Applicant: Tervurenlaan 182 B 1150 Brussel

Belgium

(72)Name of Inventor: 1)VAN LOO Jan 2)WACH Wolfgang

The invention relates to a process for the recovery of betaine from a raw material consisting essentially of molasses comprising: i. a demineralisation step in which the overall amount of salts in the molasses is brought to a level lying below 2 wt.% (on overall dry matter); ii. a conversion step in which the molasses is subjected to the action of a fructan forming enzyme to form a fructan containing molasses (fructan molasses); iii. a separation step in which the fructan molasses is subjected to a chromatographic separation thereby obtaining a betaine containing fraction whereby step (i) is executed prior to step (iii) and whereby step (i) may be executed prior to during or subsequent to step (ii). The raw material may alternatively contain or consist essentially of thick juice.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD OF TREATING BYPRODUCTS FROM ETHANOL 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 Filing Date</li> </ul>	:C12P7/06 :61/570917 :15/12/2011 :U.S.A. :PCT/US2012/069424 :13/12/2012 :WO 2013/090526 :NA :NA :NA	(71)Name of Applicant: 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Address of Applicant: Carel van Bylandtlaan 30 NL 2596 The Hague Netherlands (72)Name of Inventor: 1)TETARENKO Pamela Karen 2)BLACKBOURN Robert Lawence 3)WEIDER Paul Richard
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## (57) Abstract:

A method of treating ethanol production byproduct is provided by treating wet distillers grain or stillage with a solution containing at least one a hydroxysulfonic acid to produce at least one fermentable sugar containing product. Fermentable sugar useful for the production of biofuels or ethanol can be produced from such methods. The a hydroxysulfonic acid can be easily removed from the product and recycled.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CERTIFICATE DISTRIBUTION DEVICE AND METHOD FOR SAME AND COMPUTER PROGRAM

(51) International classification :H04L9/08 (71)Name of Applicant: (31) Priority Document No 1)ALAXALA Networks Corporation :2011270582 (32) Priority Date Address of Applicant: 1 2 Kashimada 1 chome Saiwai ku :09/12/2011 (33) Name of priority country Kawasaki shi Kanagawa 2120058 Japan :Japan (86) International Application No :PCT/JP2012/005037 (72)Name of Inventor: Filing Date :08/08/2012 1)KIMURA Hirovasu (87) International Publication No :WO 2013/084381 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The purpose of the invention is to enable efficient distribution of a certificate and a private key while also improving security. Said invention is a certificate distribution device to be connected to a device group via a network. The certificate distribution device comprises: a certificate/private key storage unit by which a certificate and a private key prepared for distribution to each device are stored; a security level storage unit by which a security level for each device belonging to the device group is stored; a display/instruction unit by which a selection screen (WD) prompting a user to select one or multiple devices from the device group is displayed in a display section and an instruction for the selection made by the user is received; and a certificate/private key distribution unit by which via the network the certificate and the private key for each device are distributed to the one or multiple devices for which the instruction for selection was made by means of the display/instruction unit said certificate and said private key having been stored in the certificate/private key storage unit. For each device the selection screen (WD) displays the device security level.

No. of Pages: 52 No. of Claims: 18

(21) Application No.4721/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: SYSTEMS AND METHOD FOR GRAPH BASED DISTRIBUTED PARAMETER COORDINATION IN A COMMUNICATION NETWORK

(51) International classification :H04W24/02,H04W16/02 (71)Name of Applicant :

:NA

(31) Priority Document No :13/308776 (32) Priority Date :01/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2012/056810

Filing Date :28/11/2012

(87) International Publication No :WO 2013/080149

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

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :164 83 S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)HUI Dennis

2) GUEY Jiann Ching

#### (57) Abstract:

Filing Date

Systems and method are disclosed for graph based distributed parameter coordination in a communication network. In general discrete local parameters to be coordinated among communication nodes in the network and their respective performance metrics or costs are modeled using a factor graph. Based on the factor graph a variant of the sum product algorithm namely the min sum algorithm is applied in order for the communication nodes through iterative message passing with their neighboring communication nodes to decide upon optimal values for the local parameters for the communication nodes that collectively optimize a global performance metric across the communication network. Tn one embodiment the communication network is a wireless communication network. In one specific embodiment the wireless communication network is a cellular communication network.

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

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MICROWAVE COOKING 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</li></ul>	:A47J27/00 :2011101504 :20/11/2011 :Australia :PCT/AU2012/001271	(71)Name of Applicant:  1)KADVA Kayomars  Address of Applicant: 65/77 Memorial Avenue Liverpool  New South Wales 2170 Australia
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:18/10/2012 :18/10/2012 :WO 2013/071337 :NA :NA :NA	2)KADVA Kersi (72)Name of Inventor : 1)KADVA Kayomars 2)KADVA Kersi

(21) Application No.4724/DELNP/2014 A

### (57) Abstract:

A microwave cooking apparatus (10) is provided for cooking papadums in a microwave oven. The cooking apparatus (10) has a base (12) a plurality of dividers (14) and one or more spacer members (16). The base (12) is adapted to receive a plurality of uncooked papadums arranged in a generally upright orientation relative to an upper surface (18) of the base (12). The dividers (14) are provided on the upper surface (18) of the base (12) and are arranged parallel to one another in a row so as to receive one papadum between each pair of adjacent dividers (14) in the row. The spacer members (16) project from the dividers (14) and are adapted to keep adjacent papadums in the row spaced from one another.

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

(21) Application No.4799/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : ELONGATED STEEL ELEMENT COMPRISING A TERNARY OR QUATERNARY BRASS ALLOY COATING AND CORRESPONDING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:24/07/2012 :WO 2013/117248 :NA :NA	(71)Name of Applicant:  1)NV BEKAERT SA Address of Applicant:Bekaertstraat 2 B 8550 Zwevegem Belgium (72)Name of Inventor:  1)BUYTAERT Guy 2)WEMEL Dieter 3)REIS Patricia
Filing Date	:NA :NA	

#### (57) Abstract:

An elongated steel element adapted for the reinforcement of rubber products is covered with a ternary or quaternary alloy coating of copper M zinc. M is one or two metals selected from the group consisting of cobalt nickel tin indium manganese iron bismuth and molybdenum. The copper content inside the coating ranges from 58 weight per cent to 75 weight per cent the content of said one or two metals inside the coating ranges from 0.5 weight per cent to 10 weight per cent the remainder is zinc and unavoidable impurities. The one or two metals are present throughout the coating. The phosphorus is present on and/or in the coating in an amount ranging from 0.3 milligram per square meter to 1 milligram per square meter of the coating. The coating further lacks triazole residues. Good results for under cure adhesion have been obtained. Furthermore a corresponding method for manufacturing such an elongated steel element is disclosed.

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

(21) Application No.4800/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: FERTILE TRANSGENIC ANIMALS USEFUL FOR PRODUCING ANTIBODIES BEARING HUMAN VARIABLE REGIONS

(51) International :C12N15/85,A01K67/027,C12N9/64 classification

(31) Priority Document No :13/310431 (32) Priority Date :02/12/2011

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

country

(86) International :PCT/GB2012/052956

Application No :30/11/2012 Filing Date

(87) International Publication: WO 2013/079953

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)KYMAB LIMITED

Address of Applicant : Meditrina (B260) Babraham Research

Campus Cambridge Cambridgeshire CB22 3AT U.K.

(72)Name of Inventor: 1)FRIEDRICH Glenn A

2)LEE E Chiang

# (57) Abstract:

inter alia The present invention relates to fertile non human vertebrates such as mice and rats useful for producing antibodies bearing human variable regions in which endogenous antibody chain expression has been inactivated. This inactivation leads to loss of ADAM6 genes located within the rodent heavy chain locus said genes being crucial for fertility. Introduction of functional copies of said ADAM6 genes allows production of fertile mice.

No. of Pages: 76 No. of Claims: 65

(22) Date of filing of Application :09/06/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: SPECTROMETER AND METHOD OF SPECTROSCOPY

(51) International classification :G01J3/02,G01J3/443,G01J3/28 (71)Name of Applicant :

(31) Priority Document No :1121427.7 (32) Priority Date :14/12/2011

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

(86) International Application No :PCT/EP2012/075064

Filing Date :11/12/2012 (87) International Publication No :WO 2013/087617

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

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

1)THERMO FISHER SCIENTIFIC (ECUBLENS) SARL Address of Applicant :En Vallaire Ouest C CH 1024 Ecublens

Switzerland

(72)Name of Inventor: 1)DEMARCO Fabio 2)DORIER Jean Luc 3)HALASZ Edmund

(57) Abstract:

A spark optical emission spectrometer comprising: a spark source for causing spark induced emission of light from a sample; a single entrance slit; a toroidal mirror for directing the light through the single entrance slit; a plurality of diffraction gratings for diffracting light that has been directed through the entrance slit by the mirror whereby the plurality of diffraction gratings are simultaneously illuminated; and at least one array detector for detecting the diffracted light from the plurality of diffraction gratings wherein the mirror is for directing the light through the entrance slit such that light from different regions in the spark source is spatially separated in an image of the light at the gratings whereby a first diffraction grating is preferentially illuminated with light from a first region of the spark source and simultaneously a second diffraction grating is preferentially illuminated with light from a second region of the spark source.

No. of Pages: 31 No. of Claims: 11

(21) Application No.4681/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SAFETY SHIELD FOR FLUID SPECIMEN CONTAINER

(51) International classification	:A61B10/00	(71)Name of Applicant:
(31) Priority Document No	:13/347138	1)BECTON DICKINSON AND COMPANY
(32) Priority Date	:10/01/2012	Address of Applicant: 1 Becton Drive Franklin Lakes New
(33) Name of priority country	:U.S.A.	Jersey 07417 U.S.A.
(86) International Application No	:PCT/US2012/023700	(72)Name of Inventor:
Filing Date	:03/02/2012	1)ELLIS Robert G.
(87) International Publication No	:WO 2013/105982	
(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 container assembly including a shield disposed at least partially within a receiving cavity of a receptacle of a lid is disclosed. The shield provides a physical barrier that at least partially covers and blocks an entrance to the receiving cavity to prevent a patient and/or healthcare worker from needle stick injuries. In one embodiment the shield is adapted to receive a stopper of a collection tube and the shield is transitionable between a locked position in which the shield is restrained within an open end of the receptacle and an unlocked position in which the shield is movable within the receiving cavity of the receptacle.

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

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DRUG DELIVERY SYSTEM WITH A DELAY MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61M37/00 :61/562500 :22/11/2011 :U.S.A. :PCT/US2012/066057 :20/11/2012 :WO 2013/078200	(71)Name of Applicant:  1)BECTON DICKINSON AND COMPANY Address of Applicant: Robert West MC110 1 Becton Drive Franklin Lakes New Jersey 07417 U.S.A. (72)Name of Inventor: 1)KRIJGER Peter 2)SONG Philip 3)RINCHAM Curf
	·PCT/US2012/066057	I
Filing Date	:20/11/2012	1)KRIJGER Peter

### (57) Abstract:

Accordingly it is an aspect of the present invention to provide a medicament delivery system with a delay mechanism to ensure dose completion prior to activation of at least one subsystem or operation. The foregoing and/or other aspects of the present invention are achieved by providing a medicament delivery system including a medicament container and a delay mechanism that is activated prior to completion of medicament delivery from the medicament container. The delay mechanism automatically activates a subsystem or initiates an operation subsequent to completion of medicament delivery. The foregoing and/or other aspects of the present invention are also achieved by providing a method of delivering a medicament the method including receiving an activation command and in response to receiving the activation command releasing an ejection mechanism to eject medicament from a container.

No. of Pages: 44 No. of Claims: 21

(21) Application No.4683/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: HYDRAULIC SHOVEL

(51) International classification :F01N3/28,B60K13/04,E02F9/00 (71)Name of Applicant: (31) Priority Document No :2012228792 (32) Priority Date :16/10/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/060290 No

:04/04/2013 Filing Date

(87) International Publication No:WO 2014/061295

(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)MORI Tadashi 2)HIMOTO Manabu 3)NISHIMURA Osamu 4)SANADA Kenji

# (57) Abstract:

A diesel particulate collection filter device (41) and a selective reduction catalyst device (42) are supported by a vehicle frame (27). A connection pipe (51) has an expanding/contracting bellows section (54) in at least part thereof. The connection pipe (51) connects the engine (21) and the diesel particulate collection filter device (41). The diesel particulate collection filter device (41) is positioned further away from the engine (21) than the selective reduction catalyst device (42) in a first direction above the horizontal plane. A first main body pipe section (410) of the diesel particulate collection filter device (41) and a second main body pipe section (420) of the selective reduction catalyst device (42) are arranged separated by a space in the planar view.

No. of Pages: 34 No. of Claims: 11

(21) Application No.4786/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: RESIN BASED POST RINSE FOR IMPROVED THROWPOWER OF ELECTRODEPOSITABLE COATING COMPOSITIONS ON PRETREATED METAL SUBSTRATES

(51) International :C25D13/04,C25D13/20,C23C28/02

classification

(31) Priority Document No :13/323926 (32) Priority Date :13/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/059306

No :09/10/2012 Filing Date

(87) International Publication :WO 2013/089903

(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)SILVERNAIL Nathan J.

2)PERRINE Steven D. 3)PAWLIK Michael J.

4)KARABIN Richard F.

## (57) Abstract:

Disclosed are methods for treating metal substrates including ferrous substrates such as cold rolled steel and electrogalvanized steel. The methods include (a) contacting the substrate with a pretreatment composition including a group IIIB or IVB metal and an electropositive metal (b) contacting the substrate with a post rinse composition and (c) electrophoretically depositing an electrodepositable coating composition to the substrate wherein the post rinse composition improves the throwpower of the subsequently applied electrodepositable coating composition. The present invention also relates to coated substrates produced thereby.

No. of Pages: 36 No. of Claims: 21

(21) Application No.4787/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: FOAM ADSORPTION

(51) International classification :C12N9/10,C12P19/44,C11D1/00 (71)Name of Applicant:

(31) Priority Document No :11192918.8 (32) Priority Date :12/12/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/075183

No :12/12/2012 Filing Date

(87) International Publication :WO 2013/087674

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

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

1)TECHNISCHE UNIVERSITAET DORTMUND

Address of Applicant : August Schmidt Str. 4 44227 Dortmund

Germany

(72)Name of Inventor:

1)BLANK Lars

2)KUEPPER Benjamin

3)DEL AMOR VILLA Eva Maria

4)WICHMANN Rolf

5)NOWACKI Christian

## (57) Abstract:

The present invention provides methods for the isolation of an amphipathic hydrophobic or hydrophilic compound from a medium that is either hydrophilic or hydrophobic respectively said methods comprising allowing the formation and/or accumulation of foam comprising said compound at the medium gas interface applying said foam directly onto an adsorbent which effects collapse of said foam and isolating said adsorbed compound by desorption.

No. of Pages: 55 No. of Claims: 15

(22) Date of filing of Application: 12/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ROBUST CONTROLLED RELEASE PEPTIDE FORMULATIONS

(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	:A61K9/107,A61K47/10,A61K47/14 :61/566851 :05/12/2011 :U.S.A. :PCT/EP2012/073841 :28/11/2012 :WO 2013/083459 :NA :NA	(71)Name of Applicant:  1)CAMURUS AB  Address of Applicant: Ideon Gamma 1 Slvegatan 41 SE 223  70 Lund Sweden (72)Name of Inventor:  1)TIBERG Fredrik  2)JOHNSSON Markus
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(21) Application No.4788/DELNP/2014 A

#### (57) Abstract:

(19) INDIA

The present invention relates to compositions forming a low viscosity mixture of: a. 25 55 wt.% of at least one diacyl glycerol and/or at least one tocopherol; b. 25 55 wt.% of at least one phospholipid component comprising phospholipids having i. polar head groups comprising more than 50% phosphatidyl ethanolamine and ii. two acyl chains each independently having 16 to 20 carbons wherein at least one acyl chain has at least one unsaturation in the carbon chain and there are no more than four unsaturations over two carbon chains; c. 5 25 wt.% of at least one biocompatible oxygen containing low viscosity organic solvent; wherein 0.1 10 wt.% of at least one peptide active agent comprising at least one somatostatin receptor agonist is dissolved or dispersed in the low viscosity mixture; and wherein the pre formulation forms or is capable of forming at least one non lamellar liquid crystalline phase structure upon contact with an aqueous fluid. The invention further relates to methods of treatment comprising administration of such compositions and to pre filled administration devices and kits containing the formulations.

No. of Pages: 86 No. of Claims: 47

(21) Application No.4789/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: FATTY COMPOSITION

(51) International :C10M169/02,C10M169/06,C10N30/06 classification

:PCT/EP2012/075649

:1161858

:France

:NA

(31) Priority Document

No (32) Priority Date :16/12/2011

(33) Name of priority

country

(86) International Application No

:14/12/2012 Filing Date

(87) International

:WO 2013/087891 Publication No (61) Patent of Addition to :NA

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

**Application Number** Filing Date

(71)Name of Applicant:

1)TOTAL MARKETING SERVICES

Address of Applicant :24 Cours Michelet F 92800 Puteaux

(72)Name of Inventor:

1)GENET Nicole

2)BARC Xavier

## (57) Abstract:

The invention relates to a fatty composition including at least one basic polyol ester oil at least one fatty acid metal soap at least one fluorinated polymer and at least one sulfurous fatty acid ester wherein the amount of active sulfur provided by the sulfurous fatty acid ester relative to the total fatty composition at 150°C according to the ASTM D1662 standard is greater than or equal to 0.15 wt %.

No. of Pages: 22 No. of Claims: 17

(21) Application No.4790/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BITUMEN CUTBACK 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:16/11/2012 :WO 2013/073973 :NA :NA	(71)Name of Applicant:  1)TECHNIX INDUSTRIES LIMITED  Address of Applicant: Devon Road Waiwhakaiho New Plymouth New Zealand (72)Name of Inventor:  1)MATTHEWS John Brodie  2)JENNINGS Philip Anthony Charles 3)KURIACHAN Lijin 4)HERRINGTON Philip Raymond
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Bitumen cutback agents include esters preferably methyl esters in the range C6 to C14 preferably C8 to C12. The methyl esters may be sourced from organic oils such as coconut or palm kernel oil. The cutback agent shows improved performance over prior cutback agents such as kerosene.

No. of Pages: 19 No. of Claims: 26

(21) Application No.4740/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: STRIGOLACTAM DERIVATIVES AS PLANT GROWTH REGULATING COMPOUNDS

(51) International classification :C07D209/70,C07D405/12,A01N43/38

(31) Priority Document No:1121904.5 (32) Priority Date :19/12/2011

(33) Name of priority

country :U.K.

(86) International :PCT/EP2012/075605

Application No
Filing Date

Filing Date

(87) International :WO 2013/092430

Publication No
(61) Patent of Addition to
Application Number
Filing Date
(22) Pining Law
Filing Date

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

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant : Schwarzwaldallee 215 CH 4058 Basel

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(72)Name of Inventor:

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3) VILLEDIEU PERCHERON Emmanuelle

4)WOLF Hanno Christian 5)JUNG Pierre Joseph Marcel 6)LANFERMEIJER Frank 7)VAN DEN WIJNGARD Paul 8)SCREPANTI Claudio

# (57) Abstract:

The present invention relates to novel strigolactam derivatives of formula (I) to processes and intermediates for preparing them to plant growth regulator compositions comprising them and to methods of using them for controlling the growth of plants and/or promoting the germination of seeds.

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

(19) INDIA

(22) Date of filing of Application :11/06/2014

(21) Application No.4741/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: ADJUSTABLE FORMWORK FOR CURVED BEAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:B28B7/02,B28B7/10 :P1 2012700405 :21/06/2012 :Malaysia :PCT/MY2013/000113 :20/06/2013 :WO 2013/191532 :NA :NA	(71)Name of Applicant:  1)BOMBADIAR DYNAFORM INTERNATIONAL LTD Address of Applicant:Room 602 6/F Taurus Building 21A/B Granville Road Timshatsui Kowlon Hongkong China (72)Name of Inventor: 1)ONG Chin Chai
(61) Patent of Addition to Application	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention discloses a form work (100) for casting a curved beam (111) comprising a first panel (101a) and a second panel (101b) which are vertically raised and arranged in an opposing position defining a hollow space in between the opposing inner surface of the panels (101) for casting the beam (111); a plurality of crosspiece (102) mounted on the outer surface of the panels (101) and horizontally extending from one edge to another edge of the panel (101) that each crosspiece (102) is spaced apart from each other in a substantially equal distance; a plurality of horizontally spaced tracks (103) fabricated on each of the crosspiece (102) whereby position of the tracks (103) of each crosspiece (102) are substantially identical; a plurality of fasteners (104) each defined by an elongate body with a first tip for engaging onto each of the track (103) and a second tip for connecting to a force generator (106); and a plurality of columns (105) each connecting the fasteners (104) at the upper position to the adjacent fasteners (104) at the lower position of the panels (101); wherein the panels (101) are fashioned to slide against the columns (105) that are connected to the fasteners (104) through the tracks (103) to negate in plane tension or compression when the panels (101) are shaping into a smooth curvature upon receiving a pull or push force exerted by the force generator (106) in a direction transverse to the panels (101).

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

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: METHOD AND SYSTEM FOR DATA RECORD PACKET PROCESSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:12/11/2012 :WO 2013/067975 :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)CHEN Qihua 2)ZHONG Changcheng	
(62) Divisional to Application Number Filing Date	:NA :NA		
Timig Date	.11/1		_

(21) Application No.4742/DELNP/2014 A

#### (57) Abstract:

Disclosed are a method and system for Data Record Packet processing and the method comprises: a General Packet Radio Service Support Node (GSN) sends a Data Record Packet to a Charging Gateway Function (CGF) wherein the Data Record Packet is a normal packet or a possibly duplicated packet and the header of the message used for sending the Data Record Packet includes a sequence number and the message body includes the time of packaging; the CGF sends a response message to the GSN in response to have received the Data Record Packet and the Packet Transfer Response Command Information Element in the response message is used to identify that the response message is related to the normal packet or to the possibly duplicated packet. According to the present invention the problem of the possibly duplicated packet occupying the sequence number resource can be resolved without limiting the network transmission speed.

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

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: PORTABLE 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F3/048 :NA :NA :NA :PCT/JP2011/079088 :15/12/2011 :WO 2013/088560 :NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)SAEKI Akira 2)SUZUKI Tomoya 3)IWASE Satoshi 4)IMANISHI Yoichi
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(21) Application No.4744/DELNP/2014 A

#### (57) Abstract:

A portable terminal is characterized by being provided with a main body and a touch panel which is provided in the main body and on which an operation button is set and changing at least any one of the size of the operation button on the touch panel the size of a character or symbol attached to the operation button the color or brightness of the operation button and a response sound when the operation button is operated when a predetermined condition on which the main body undergoes vibration is satisfied.

No. of Pages: 31 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : CONTROL OF TRANSFORMER FLUX DENSITY IN AN ISOLATED SWITCHED MODE 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> <li>(62) Divisional to Application Number</li> </ul>	:H02M1/40 :NA :NA :NA :PCT/EP2012/052186 :09/02/2012 :WO 2013/117226 :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)KARLSSON Magnus 2)APPELBERG Mikael 3)PERSSON Oscar
Filing Date	:NA	

#### (57) Abstract:

A control circuit (200) generates a control signal (D) to control the duty cycle of a switched mode power supply (100) such that the magnetic flux density in the transformer is balanced thereby preventing saturation of the transformer core. This permits the use of unsymmetrical duty cycles within the switch cycle resulting in an improved load transient response. The control circuit (200) comprises a flux density calculator (201) and a regulator (202). The flux density regulator receives a signal indicative of the input voltage of the switched mode power supply and a feedback signal comprising the generated control signal and it generates therefrom an average flux density signal. The regulator receives the generated average flux density signal and a signal indicative of the output voltage of the switched mode power supply and generates the control signal in dependence upon the average flux density signal the reference flux density signal the signal indicative of the output voltage and a reference voltage signal.

No. of Pages: 54 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: POWER CONVERTER ELECTRIC MOTOR DRIVE DEVICE AND AIR CONDITIONER

(51) International classification :H02P21/00,H02P27/04 (71)Name of Applicant : (31) Priority Document No 1)HITACHI APPLIANCES INC. :2011261179 Address of Applicant :16 1 Kaigan 1 chome Minato ku Tokyo (32) Priority Date :30/11/2011 (33) Name of priority country :Japan 1050022 Japan (86) International Application No (72)Name of Inventor: :PCT/JP2012/070182 Filing Date :08/08/2012 1)UNOKO Chie :WO 2013/080610 (87) International Publication No 2)TAMURA Kenji (61) Patent of Addition to Application 3)TAMURA Masahiro :NA Number 4)HATSUSE Wataru :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided are a high efficiency power converter electric motor drive device and air conditioner with which switching loss in PWM control is minimized. A vector control unit (8) outputs current phase information (8A) which is computed on the basis of phase current information (6A) from a phase current detector unit (6) to a pulse suspension control unit (9). The pulse suspension control unit (9) outputs a phase pulse suspension control signal (9A) which is generated on the basis of the current phase information (8A) to a pulse width determination unit (12). The pulse width determination unit (12) outputs a pulse start/suspension instruction (12A) for the pulse width to remain above a given value to a pulse control unit (7). Thus the pulse control unit (7) suspends a pulse signal (7A) of a prescribed interval with the zero cross of the current phase of a prescribed phase of a power converter circuit (4) as a reference.

No. of Pages: 58 No. of Claims: 5

(21) Application No.4344/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: EXTERIOR LOCKING MODULE FOR A LOCK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:E05B65/20,E05B17/04 :10 2011 120 885.6 :09/12/2011	(71)Name of Applicant:  1)KIEKERT AKTIENGESELLSCHAFT  Address of Applicant: Hseler Platz 2 42579 Heiligenhaus
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/DE2012/001179	(72)Name of Inventor:
Filing Date	:06/12/2012	1)GRAUTE Ludger
(87) International Publication No	:WO 2013/083115	2)HEMMER Heiko
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a module for locking a motor vehicle lock. The aim of the invention is to design an easy to make and compact locking module for a lock. Said aim is achieved by a locking module comprising a housing (1) a switching nut (2) that can be connected to a locking cylinder so as to rotate the switching nut by means of a key and a mechanism for converting a rotary movement of the switching nut (2) into a linear movement to lock and unlock a lock. The mechanism comprises a dog (12) which is linearly moved by a rotary movement of the switching nut (2). In the mounted state of the locking module the linear movement of the dog actuates a mechanism that causes the lock to unlock or lock. In order to minimize the number of parts the switching nut (2) is rotatably mounted by the module housing (1).

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

(19) INDIA

(22) Date of filing of Application :28/05/2014

(21) Application No.4345/DELNP/2014 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: THERMAL INDICATOR

(51) International classification	:G01K11/06	(71)Name of Applicant:
(31) Priority Document No	:2011-257439	1)NiGK CORPORATION
(32) Priority Date	:25/11/2011	Address of Applicant :21 2 Matobashinmachi Kawagoe shi
(33) Name of priority country	:Japan	Saitama 3501107 Japan
(86) International Application No	:PCT/JP2012/079941	(72)Name of Inventor:
Filing Date	:19/11/2012	1)FURUE Ryuji
(87) International Publication No	:WO 2013/077287	2)OGAWA Suguru
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a thermal indicator in which it is possible to prevent a solid coloring holt melt substance from infiltrating an absorbing body and the coloring melt of the coloring hot melt substance can be reliably absorbed by the absorbing body. This invention comprises: an ampoule bottle (12) in which there is sealed a coloring heat sensitive material that melts and becomes the coloring melt at a predetermined temperature; a cylindrical body (14) obtained by rolling a composite membrane (15) obtained by bonding an absorbent membrane (15b) that absorbs the coloring melt to one surface side of an impermeable membrane (15a) that is impermeable to the coloring melt so that the impermeable membrane (15a) is located on the inside; and a tube (16) in which there is sealed the ampoule bottle (12) inserted in a space (14a) surrounded by the impermeable membrane (15a) of the cylindrical body (14) the tube being such that the color of the absorbent membrane (15b) is visible from the outside. At a temperature equal to or less than the melting temperature of the coloring heat sensitive material: at least a part of the ampoule bottle (12) is destroyed; the coloring melt resulting from melting of the solid coloring heat sensitive material at least a part of which is discharge or is in a state of being capable of discharged into the space surrounded by the impermeable membrane (15a) is absorbed from the absorbent membrane (15b) at an end surface of the cylindrical body (14); and a colored portion (20) is formed in the absorbent membrane (15b).

No. of Pages: 26 No. of Claims: 9

(21) Application No.4758/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD AND MEANS FOR CONTROLLING THE INTEGRITY OF AN ELECTRIC RESISTANCE

(31) Priority Document No	:F24H9/20,G01R31/28,H05B1/02 :AN2011A000168	1)THERMOWATT S.P.A.
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:22/12/2011 :Italy	Address of Applicant :21 Via San Giovanni Battista I 60011 Arcevia (Ancona) Italy
(86) International Application No Filing Date	:PCT/IB2012/002571 :30/11/2012	(72)Name of Inventor : 1)CAPITANELLI Claudio
(87) International Publication No	:WO 2013/093583	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Device (C) for controlling the integrity of one or more insulating layers (13) of a multiple insulation resistance (10) wherein said one or more insulating layers (13) are consecutive layers (13) confined between the outermost (11) and the innermost (12) sheaths thereof. Said control device (C) is provided with an electrical circuit (20. a; 20. b; 20. c; 20.d) having connection points (A,B) with said outermost and innermost sheaths (11,12) and in series with said connection points (A,B) a low voltage current generator (22) and indirect (23) and/or direct (R; 26; 30) disconnecting means of the supply of said multiple insulation resistance (10). Said current generator (22) is suitable for generating in the case of degradation of the dielectric power of the one or more consecutive insulating layers (13) an electrical power and a short circuit current (Ice) sufficient for activating said indirect (23) and/or direct (R; 26; 30) disconnecting means.

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

(21) Application No.4759/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

:NA

:NA

# (54) Title of the invention : 3D WOVEN FIBER STRUCTURE FIBROUS PREFORM OBTAINED FROM SUCH A FIBER STRUCTURE AND COMPOSITE MATERIAL PART COMPRISING SUCH A PREFORM

:D03D25/00,B29C70/24 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/570423 1)SNECMA (32) Priority Date :14/12/2011 Address of Applicant :2 boulevard du Gnral Martial Valin F (33) Name of priority country :U.S.A. 75015 Paris France (86) International Application No :PCT/FR2012/052855 (72)Name of Inventor: Filing Date :10/12/2012 1)MARCHAL Yann (87) International Publication No :WO 2013/088042 2) COUPE Dominique (61) Patent of Addition to Application 3)FRUSCELLO Monica :NA Number 4)GOERING Jonathan :NA Filing Date

#### (57) Abstract:

Filing Date

The invention relates to a fibrous preform (20) which is formed from a fiber structure woven by means of three dimensional weaving having a plurality of warp thread layers interconnected by woof threads from a plurality of woof thread layers. The fibrous preform has a first portion (12) and a second portion (14) which are located as extensions of each other in the woof direction and form an angle therebetween. In the folding area and in each woof plane of the fiber structure two woof threads located in an area adjacent to one outer surface of the fiber structure located inside the angle have paths that intersect in such a manner that a slight curve is made in said threads.

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

(62) Divisional to Application Number

(21) Application No.4760/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

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

(51) International classification :E05B53/00,E05B9/00,E05B65/12 (71)Name of Applicant:

(31) Priority Document No :1103979 (32) Priority Date :21/12/2011

(33) Name of priority country :France

(86) International Application :PCT/EP2012/076823

Filing Date :21/12/2012

(87) International Publication :WO 2013/093085

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

(62) Divisional to Application
Number

Filing Date

:NA
:NA

(57) Abstract:

(71)Name of Applicant:

1)VALEO SECURITE HABITACLE

Address of Applicant :76 rue Auguste Perret Zi Europarc F

94046 Creteil Cedex France (72)Name of Inventor:

1)DEBROUCKE Fransois

2)GRISLAIN Jean Baptiste

thirty degrees relative to a vertical axis the lock having at least one slot for the passage of a transmission cable of the mechanism for example an internal or external opening cable. According to the invention said cable (3,31, 3A 3B) comprises a part separate from said housing intended to close said slot and fixed on the lock

mechanism is inserted and intended to be mounted on a vehicle according to a Z axis position inclined at an angle of between zero and

The invention relates to a lock for a door of a motor vehicle comprising a housing (1) made from plastic into which the lock

No. of Pages: 27 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :11/06/2014

(21) Application No.4761/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: COOLING 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>	:F28D15/04 :11/03954 :20/12/2011 :France :PCT/EP2012/075430 :13/12/2012 :WO 2013/092386 :NA :NA	(71)Name of Applicant:  1)ASTRIUM SAS  Address of Applicant: 12 rue Pasteur F 92150 Suresnes France (72)Name of Inventor:  1)FIGUS Christophe
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a device for cooling at least two distinct heat sources characterized in that it comprises: a closed circuit in which a diphasic fluid flows at least one capillary evaporator (10) designed to be placed in thermo contact with one of the heat sources referred to as the primary heat source (41) for each other heat source referred to as a secondary heat source (15,20) that is to be cooled at least one exchanger (14,19) designed to be placed in thermal contact with said secondary heat source at least one condenser referred to as the first condenser (12) positioned downstream (according to the theoretical direction of the path of the fluid through the circuit) of the evaporator (10) and upstream of the at least one exchanger (14,19) at least one condenser referred to as the last condenser (22) positioned upstream (according to the theoretical direction of the path of the fluid through the circuit) of the evaporator (10) and downstream of the at least one exchanger (14,19).

No. of Pages: 30 No. of Claims: 21

(10) INIDIA

(21) Application No.4792/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

:NA

# (54) Title of the invention : MAGNETIC PARTICLE HAVING A HIGHLY REFLECTIVE PROTECTIVE FILM AND METHOD FOR MANUFACTURING SAME

(51) International classification :H01F1/00,H01F1/20,B22F1/02 (71)Name of Applicant : (31) Priority Document No 1)KOREA MINTING SECURITY PRINTING ID CARD :1020110139862 (32) Priority Date :22/12/2011 OPERATING CORP. (33) Name of priority country :Republic of Korea Address of Applicant :80 67Gwahak ro Yuseong gu Daejeon (86) International Application No :PCT/KR2012/011145 305 713 Republic of Korea (72)Name of Inventor: Filing Date .20/12/2012 (87) International Publication No :WO 2013/094993 1)CHOE Won Gyun (61) Patent of Addition to 2)KIM Soo Dong :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

## (57) Abstract:

Filing Date

Number

The present invention relates to a magnetic particle having a highly reflective protective film and to a method for manufacturing same. More particularly, the present invention relates to a magnetic particle having a highly reflective protective film and to a method for manufacturing same, wherein the magnetic particle comprises a magnetic core, a shell formed along an outer periphery of the magnetic core, and a highly reflective protective film formed along an outer periphery of the shell, wherein the highly reflective protective film includes a film having a low refractive index and a film having a high refractive index. The magnetic particle is advantageous in that it has high luminosity and prevents friction with a filler and damage to the film of the shell caused by the pressure between rolls during the distribution step of an inking process. The magnetic particle can be used in colored ink, general paint, powder pigments for vehicles, cosmetic pigments, and catalytic pigments. Particularly, the magnetic particle is advantageous in that it can be used as security ink for a value document in order to express a range of colors which may not be expressed by existing magnetic pigments, and in that it is durable.

No. of Pages: 34 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: JUICER

(51) International classification :A47J19/06,A47J43/07 (71)Name of Applicant : (31) Priority Document No :1020110124363 1)BAE Jeong Yong (32) Priority Date Address of Applicant: 101 1303 Daewon Kantaville Apt. :25/11/2011 (33) Name of priority country Naeson1 dong Uiwang si Gyeonggi do 437 765 Republic of Korea :Republic of Korea (86) International Application No :PCT/KR2012/009793 (72)Name of Inventor: Filing Date :19/11/2012 1)BAE Jeong Yong (87) International Publication No :WO 2013/077606 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.4793/DELNP/2014 A

#### (57) Abstract:

A juicer is disclosed. The juicer of the present invention comprises: a filter mesh formed having a plurality of holes for not permitting the residue of food ground in the juicer to pass through, while permitting the pulp of the food to pass; and a cutting blade having at least a portion thereof pressed against one side of the filter mesh, for cutting the residue of food stuck in at least one portion of the plurality of holes. According to the present invention, after the juicer is used, the user can easily clean the filter mesh.

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

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: OIL SPRAYING DEVICE

(51) International classification	:B05B15/00,A61M37/00	(71)Name of Applicant :
(31) Priority Document No	:1020110124344	1)BAE Jeong Yong
(32) Priority Date	:25/11/2011	Address of Applicant :101 1303 Daewon Kantaville Apt.
(33) Name of priority country	:Republic of Korea	Naeson1 dong Uiwang si Gyeonggi do 437 765 Republic of Korea
(86) International Application No	:PCT/KR2012/009795	(72)Name of Inventor:
Filing Date	:19/11/2012	1)BAE Jeong Yong
(87) International Publication No	:WO 2013/077607	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4794/DELNP/2014 A

#### (57) Abstract:

Disclosed is an oil-spraying device. The oil-spraying device according to the present invention comprises: a casing unit equipped with an entrance-andexit opening whereby a user can enter and exit; a spray unit which is fitted on an inside surface of the casing unit and sprays oil onto the skin of the user inside the casing; and a skin discerning means for differentiating between a covering on the user and the skin exposed outside the covering. The skin discerning means is used to distinguish between the users skin and the area where the covering is being worn, such that oil can be selectively sprayed onto just the users skin by means of the spray unit.

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

(21) Application No.4795/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: SOLID STATE FORMS OF AZILSARTAN AND AZILSARTAN MEDOXOMIL MONOPOTASSIUM AND PREPARATION THEREOF

(51) International classification :C07D413/10,C07D413/14 (71)Name of Applicant : (31) Priority Document No :3661/DEL/2011 :15/12/2011 (32) Priority Date

(33) Name of priority country :India

(86) International Application No :PCT/IB2012/057265

Filing Date :13/12/2012 (87) International Publication No :WO 2013/088384

(61) Patent of Addition to Application

:NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

1)JUBILANT LIFE SCIENCES LIMITED

Address of Applicant :Plot 1A Sector 16A Noida UP 201 301

Uttar Pradesh India

(72)Name of Inventor: 1)DUBEY Shailendr Kumar

2)MISHRA Himanchal 3)BANSAL Deepak

4)CHOUDHARY Alka Srivastava

5)VIR Dharam

6)AGARWAL Ashutosh

#### (57) Abstract:

The present invention relates to novel solid state forms of azilsartan and azilsartan medoxomil monopotassium salt i.e. amorphous and crystalline forms of azilsartan and azilsartan medoxomil monopotassium salt and processes for the preparation thereof. The present invention also relates to co precipitate of azilsartan. Further it relates to the pharmaceutical composition of amorphous and crystalline forms of azilsartan and azilsartan medoxomil monopotassium salt and its use.

No. of Pages: 31 No. of Claims: 43

(21) Application No.4796/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES AND COMPRISING FOUR FUNCTIONAL METAL FILMS

(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 Size 1250407 (France (Fran	(71)Name of Applicant:  1)SAINT GOBAIN GLASS FRANCE Address of Applicant: 18 avenue dAlsace F 92400 Courbevoie France (72)Name of Inventor: 1)SANDRE CHARDONNAL Etienne
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#### (57) Abstract:

The invention relates to a substrate (10) in particular a transparent glass substrate provided with a stack of thin films comprising four alternating functional metal films (40,80,120,160) in particular functional films consisting of silver or of a metal alloy containing silver and five antireflective coatings (20,60,100,140,80) each antireflective coating comprising at least one antireflective film such that each functional metal film (40, ,80,120,160) is arranged between two antireflective coatings (20,60,100,40,180) characterized in that starting from the substrate the thicknesses of the second third and fourth functional metal films (80,120,160) are substantially identical the ratio of the thickness of one film to the thickness of the preceding film being between 0.9 and 1.1 inclusive and the thickness of the first functional metal film (40) being approximately half the thickness of the second functional metal film (80) the ratio of the thickness of the second metal film to the thickness of the first functional metal film (40) being between 1.9 and 2.2 inclusive.

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

(21) Application No.4292/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 27/05/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: NUCLEATING AGENT FOR NYLON SYSTEM

(51) International classification: C08L23/04,C08L33/06,C08K3/34 (71) Name of Applicant:

(31) Priority Document No :61/569066 (32) Priority Date :09/12/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/067905

:05/12/2012 Filing Date

(87) International Publication :WO 2013/085970

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

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

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2245 U.S.A.

(72)Name of Inventor:

1)MAO Megan

2)LI Jun

3)CLARKE Vincent M.

#### (57) Abstract:

The present invention provides a nucleating agents comprising: a) ethylene acrylic acid ionomers selected from the group consisting of ethylene acrylic acid calcium ionomers and ethylene acrylic acid zinc ionomers and combinations thereof; wherein the ionomers have a molecular weight between about 1000 and about 10000; b) talcum; and c) ethylene acrylic acid copolymers. The present invention also provides plastic compositions comprising: a) nylon and b) a nucleating agent as well as a processes of making such plastic compositions. The present invention also provides nucleating agents comprising only one or two of the above types of compounds as well as plastic compositions comprising such nucleating agents and processes of making such a plastic compositions.

No. of Pages: 40 No. of Claims: 10

(21) Application No.4293/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: TILTABLE CONVERTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11194201.7 :19/12/2011 :EPO :PCT/EP2012/073421 :23/11/2012 :WO 2013/092108 :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)WIMMER Gerald
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a tiltable Converter (1) with a Converter vessel (2), surrounded by a support ring (3) spaced away therefrom, wherein the support ring (3) has two opposing support pins (4, 5) for tilting about a tilting axis (a) and wherein a Suspension of the Converter vessel (2) on the support ring (3) comprises four Suspension elements (6, 7, 8, 9) distributed on the circumference, which transmit vertical forces from the Converter vessel (2) onto the support ring (3) when the Converter (1) is upright. The mounting positions (62, 63, 72, 73, 82, 83, 92, 93) of at least two Suspension elements (6, 7, 8, 9) on the Converter vessel (2) and/or on the support ring (3) are arranged offset horizontally and/or vertically from a rotationally symmetrical arrangement relative to a longitudinal axis (b) of the Converter (1), so that not all lines of action of the forces transmitted by the Suspension elements (6, 7, 8, 9) have a common point of intersection or approach one another in a point or run in parallel. The advantage is a statically determined mounting System with uniform loading of the Suspension elements (6, 7, 8, 9).

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

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: INTERMEDIATE TEMPERATURE SODIUM METAL HALIDE ENERGY STORAGE DEVICES

(51) International :H01M10/38,H01M2/08,H01B1/06 classification

(31) Priority Document No :61/593499 :01/02/2012 (32) Priority Date (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/023731

:30/01/2013

Filing Date

(87) International Publication :WO 2013/116263 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)BATTELLE MEMORIAL INSTITUTE

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(72)Name of Inventor:

1)KIM Jin Yong 2)LI Guosheng

3)LU Xiaochuan

4)SPRENKLE Vincent L.

5)LEMMON John P.

6)YANG Zhenguo

7) COYLE Christopher A.

## (57) Abstract:

Sodium metal-halide energy storage devices utilizing a substituting salt in its secondary electrolyte can operate at temperatures lower than conventional ZEBRA batteries while maintaining desirable performance and lifetime characteristics. According to one example, a sodium metal-halide energy storage device operates at a temperature less than or equal to 200 °C and has a liquid secondary electrolyte having Mx Na1- yAlC iyHy, wherein M is a metal cation of a substituting salt, H is an anion of the substituting salt, y is a mole fraction of substituted Na and CI, and x is a ratio of y over r, where r is the oxidation state of M. The melting temperature of the substituting salt is less than that of NaCl.

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

(19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.4295/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: FLOATING SEAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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>	:F16J15/34 :2012-179491 :13/08/2012 :Japan :PCT/JP2012/074899 :27/09/2012 :WO 2014/027425 :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)NISHIOKA Masato
\ / / II	:NA	
Filing Date	:NA	

#### (57) Abstract:

No. of Pages: 18 No. of Claims: 2

(21) Application No.4399/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: PREVENTION OF NITRO AMINE FORMATION IN CARBON DIOXIDE ABSORPTION **PROCESSES**

(51) International :B01D53/62,B01D53/56,B01D53/14

classification (31) Priority Document No :13/301625

(32) Priority Date :21/11/2011 (33) Name of priority country: U.S.A.

(86) International :PCT/US2012/066092

Application No :20/11/2012 Filing Date

(87) International Publication :WO 2013/078221

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

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

(71)Name of Applicant:

1)FLUOR TECHNOLOGIES CORPORATION

Address of Applicant: 3 Polaris Way Aliso Viejo California

92698 U.S.A.

(72)Name of Inventor:

1)JOHNSON Dennis W.

2) REDDY Satish

#### (57) Abstract:

Plants and method of treating a combustion gas are presented in which NOx compounds are removed from the combustion gas to a predetermined level to thereby create a pre cleaned combustion gas from which CO2 is removed in an absorber using an amine solvent. Preferably the predetermined level of NOx compounds reduces nitro amines especially nitrosamine emission from the absorber to quantities of equal or less than 100 ppb.

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

(21) Application No.4419/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date: 20/02/2015

## (54) Title of the invention: STEEL TUBE PRODUCTION CONTROL METHOD

(51) International classification :G05B19/418,B21C51/00,B41M5/26

(31) Priority Document No :2011-240742 (32) Priority Date :02/11/2011 (33) Name of priority

country :Japan

(86) International PCT/JP2012/070427 Application No

Filing Date :10/08/2012

(87) International Publication: WO 2013/065379

No

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

:NA
:NA

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

(71)Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

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Tokyo 1008071 Japan (72)Name of Inventor:
1)HYODO Shigetoshi

2)TSUYUGUCHI Satoshi 3)KUBOTA Kazuto

#### (57) Abstract:

Provided is a method for production control of steel tubes which are produced by a plurality of manufacturing steps comprising: a step of machining into a tube end part a matrix code into which tube information is encoded with a laser beam such that the width thereof has an angle of arc of 30° or less; and a step of automatically reading the matrix code with a linear sensor camera. A manufacturing history is managed by manufacturing information and quality information corresponding to each respective steel tube being identified and recorded for each tube number by reading the matrix code and it is possible to extract tube information as necessary.

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

(21)

(21) Application No.4420/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: LIQUID CRYSTAL DISPLAY DEVICE

(51) International

:G02F1/1333,G02F1/133,G02F1/1335

classification

(31) Priority Document No :2011-268138

(32) Priority Date(33) Name of priority

:07/12/2011

country

:Japan

(86) International

Application No :PCT/JP2012/075826

Filing Date

:04/10/2012

(87) International

Publication No :WO 2013/084577

(61) Patent of Addition to Application Number

:NA :NA

Filing Date

:NA

(62) Divisional to Application Number Filing Date

:NA :NA (71)Name of Applicant:

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1100016 Japan

(72)Name of Inventor:

1)HIBAYASHI Yasuhiro

2)MINATO Koichi

3)FUKUYOSHI Kenzo

4)ITO Manabu

#### (57) Abstract:

In a liquid crystal display device (1) according to one embodiment of the present invention a solid state light emitting element is provided with: a first light emitting element that emits short wavelength light having a wavelength within the range from 360 nm to 420 nm; and a second light emitting element that emits visible light. A plurality of electrodes of the liquid crystal display device (1) include: light guide electrodes (3c, 3d) which drive liquid crystals contained in a liquid crystal layer (6) for the emission of short wavelength light; and pixel electrodes (3a, 3b) which drive liquid crystals contained in the liquid crystal layer (6) for the emission of visible light. A plurality of light receiving elements include a first light receiving element that overlaps a blue filter (14B) when viewed in plan and a second light receiving element that overlaps a green filter (14G) a red filter (14R) or a black matrix (BM) when viewed in plan said light receiving elements being phototransistors each of which comprises a transparent channel layer that contains oxides of two or more metals selected from among gallium indium zinc hafnium tin and yttrium.

No. of Pages: 106 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: INDUSTRIAL VEHICLE AND CONTROL METHOD FOR INDUSTRIAL VEHICLE

(51) International classification :E02F9/20,E02F9/24,F1
(31) Priority Document No :2012120726
(32) Priority Date :28/05/2012
(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/081614

Filing Date :06/12/2012 (87) International Publication No :WO 2013/179517

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

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

:E02F9/20,E02F9/24,F15B11/08 (71)**Name of Applicant :** :2012120726 **1)KOMATSU LTD.** 

Address of Applicant :2 3 6 Akasaka Minato ku Tokyo

1078414 Japan

(72)Name of Inventor:
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2)TSUMURA Daisuke
3)OHBORA Yoshimasa
4)YOGITA Jin

(57) Abstract:

According to the present invention when a lock member is switched from a locked position to a released position a lock valve switcher switches a lock valve from a locked state to a released state. A misoperation observation part keeps the lock valve in the released state when the elapsed time from the point the lock member was switched from the locked position to the released position is a predetermined time or longer and the pilot pressure is at least a predetermined pressure. The misoperation observation part switches the lock valve to the locked state when the elapsed time is less than the predetermined time and the pilot pressure is at least the predetermined pressure.

No. of Pages: 39 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: ELECTRONIC EQUIPMENT

(51) International :A63B69/00,G06Q50/00,H04B13/00 classification

(31) Priority Document No :2011-271542 (32) Priority Date :12/12/2011

(33) Name of priority :Japan

country (86) International

:PCT/JP2012/079254 Application No :12/11/2012

Filing Date

(87) International Publication: WO 2013/088879

(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)NIKON CORPORATION

(21) Application No.4383/DELNP/2014 A

Address of Applicant: 12 1 Yurakucho 1 chome Chiyoda ku

Tokyo 1008331 Japan (72)Name of Inventor: 1)KUBOTA Yukio 2)EJIMA Satoshi 3)MOTOHASHI Takeo

4)MATSUMURA Mitsuko

5)ONO Hiroki

6)SEKIGUCHI Masakazu

#### (57) Abstract:

To improve the usability of the electronic equipment the electronic equipment is equipped with: a first communication unit (21, 27) provided near the user; a receiving unit (22, 27) that receives data by communication via the users body or proximity communication between a second communication unit (10) provided in a member used by the user and the first communication unit; and a recording unit (25, 27) that makes records relating to the member when communication between the first communication unit and the second communication unit becomes possible.

No. of Pages: 41 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: LOW COMPLEXITY ENCODER FOR CONVOLUTIONAL ENCODING

(51) International :H03M13/29,H03M13/37,H03M13/39

classification .nusiwi13/29,nusiwi13/37,nusiwi13/39

(31) Priority Document No :1160925 (32) Priority Date :29/11/2011 (33) Name of priority :France

country
(86) International
:PCT/EP2012/073853

Application No :28/11/2012

(87) International :WO 2013/079540

Publication No
(61) Patent of Addition to
Application Number
Filing Date
.WG
:NA
:NA

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

(71)Name of Applicant:

1)SAGEM DEFENSE SECURITE

(21) Application No.4386/DELNP/2014 A

Address of Applicant :18 20 Quai du Point du Jour F 92100

Boulogne Billancourt France (72)Name of Inventor:

1)CHIODINI Alain

2)GILLET Michel

#### (57) Abstract:

The invention relates according to the first form thereof to a transmission error correction method wherein at least two encoded binary series from a binary series that is to be transmitted and encoded by means of a convolutional code are received from a communication channel. Said method is characterized in that same comprises the following steps: producing from two received encoded binary series comparison binary series that coincide in the absence of transmission errors on the communication channel; comparing the comparison binary series and forming a detection binary series corresponding to the logic operation OU exclusive of the two comparison binary series; and in the event that the comparison binary series diverge from a divergence point verifying if the series made up of P bits of the detection binary series from the divergence point corresponds to a listed transmission error and correcting if necessary the received encoded binary series.

No. of Pages: 19 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD AND PRODUCTION FACILITY FOR MANUFACTURING A WIND TURBINE BLADE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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 2011 70600 :02/11/2011 :Denmark :PCT/DK2012/050399 :31/10/2012 :WO 2013/064152 :NA	(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)GARCIA TAPIA Raul
(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 amethod for manufacturing a wind turbine blade in a production facility. The method comprises the steps of positioning a first overhung gantry to extend transversely over an elongated first mould part for manufacturing one of a first part and a second part of the blade performing a first working action at the first mould part with a first tool mounted on the first overhung gantry moving the first overhung gantry from the first mould part to an elongated second mould part for manufacturing the other of the first and the second part of the blade positioning the first overhung gantry to extend transversely over the second mould part and performing a second working action at the second mould part by means of the first tool or a second tool mounted on the first overhung gantry.

No. of Pages: 27 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR MONITORING A FLUID SYSTEM OF A MINING 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>	:F16N29/04 :61/766080 :18/02/2013 :U.S.A. :PCT/US2014/016946 :18/02/2014 :WO 2014/127368 :NA :NA :NA	(71)Name of Applicant:  1)HARNISCHFEGER TECHNOLOGIES INC. Address of Applicant:2751 Centerville Road Suite 342 Wilmington DE 19808 U.S.A. (72)Name of Inventor: 1)HAISLER Michael 2)GUDUR Shashi 3)BHUSHAN Anubhaw
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#### (57) Abstract:

A method of monitoring a fluid system of a mining machine. The method including sensing a pressure level of a fluid in the fluid system of the mining machine to generate pressure level data; analyzing the pressure level data to detect pressure level deviations; determining at least one selected from the group of when a frequency of the pressure level deviations exceeds a predetermined frequency and when the fluid pressure level fails to reach a threshold within a predetermined reaction time period; and outputting an alert in response to the determination.

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

(21) Application No.4781/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: DEVICE AND METHODS FOR TREATING NEUROLOGICAL DISORDERS

(51) International classification :A43B7/00,A43B7/14,A43B7/38 (71)Name of Applicant :

(31) Priority Document No :61/568200 (32) Priority Date :08/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/IB2012/057124 Filing Date :10/12/2012

(87) International Publication No: WO 2013/084212

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

Number :NA Filing Date

1)APOS MEDICAL AND SPORTS TECHNOLOGIES

LTD.

Address of Applicant : 1 Abba Even Street P.O.Box 12216

46733 Herzliya Israel

(72)Name of Inventor:

1)MOR Amit 2)ELBAZ Avi

#### (57) Abstract:

Provided are methods of treating or improving neurological conditions and/or outcomes thereof in a subject afflicted with a neurological condition. The methods include placement of a device comprising at least two calibrated differential disturbances or protuberances under the subject s foot.

No. of Pages: 76 No. of Claims: 27

(19) INDIA

(22) Date of filing of Application :12/06/2014

(21) Application No.4782/DELNP/2014 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: METHODS FOR TREATING SPINE PATHOLOGIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A43B7/14,A43B13/14 :61/568211 :08/12/2011 :U.S.A. :PCT/IB2012/057129 :10/12/2012 :WO 2013/084213 :NA :NA :NA	(71)Name of Applicant:  1)APOS MEDICAL AND SPORTS TECHNOLOGIES  LTD.  Address of Applicant: 1 Abba Even Street P.O.Box 12216 46733 Herzliya Israel (72)Name of Inventor:  1)MOR Amit 2)ELBAZ Avi
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# (57) Abstract:

A method of treating spine pathologies and related outcomes in a subject in need thereof is provided. The method includes placement of at least two calibrated differential disturbances or protuberances under the subject s feet.

No. of Pages: 75 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: MULTIFACTORIAL TELEHEALTH CARE PREGNANCY AND BIRTH MONITORING

(51) International classification :A61B7/00,A61B5/026,A61B5/0402

(31) Priority Document No :11191475.0 (32) Priority Date :01/12/2011

(33) Name of priority country: EPO

(86) International :PCT/DK2012/050439

Application No
Filing Date

11 C 17 DR20
130/11/2012

(87) International Publication :WO 2013/079073

No (61) Patent of Addition to ...

Application Number Filing Date :NA

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

(71)Name of Applicant:

1)AALBORG UNIVERSITET

Address of Applicant :Fredrik Bajers Vej 5 DK 9220 Aalborg

~ Denmark

(72)Name of Inventor:

1)DINESEN Birthe Irene

2)RIKNAGEL Diana Kj¦r Thing

3)STRUIJK Johannes Jan

#### (57) Abstract:

The invention provides a system for monitoring a fetus in a pregnant woman and/or the maternal health risk for pregnancies complicated by such as pre eclampsia and hypertensive disorders. The system comprises a portable or wearable unit that can be worn by the pregnant woman preferably so as to allow monitoring during daily life e.g. in the form of an adhesive patch. The portable unit has a sound sensor e.g. a microphone or accelerometer to be positioned on the skin of the abdominal area of the pregnant woman so as to detect a vascular sound from umbilical arteries of the fetus or from the uterine arteries of the pregnant woman. The sound sensor is functionally connected to a processing unit which executes a processing algorithm on the captured vascular sound and extracts a signal parameter accordingly e.g. the Pulsatility Index. The processing unit then communicates the signal parameter e.g. using an audio signal a visual display or by means of a wired or a wireless data signal. Some embodiments include one or more additional sensors such as a sensor for detecting fetal electrocardiographic signals and/or a sensor for detecting uterus electromyographic activity. Especially the sound sensor and such additional sensor(s) may be arranged within one adhesive patchor several adhesive patches.

No. of Pages: 28 No. of Claims: 29

(21) Application No.4735/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD FOR OPERATING A SERIAL HYDRAULIC HYBRID DRIVE SYSTEM

(51) International classification :B60K6/12,B60W20/00 (71)Name of Applicant : (31) Priority Document No :10 2011 089 607.4 1)ROBERT BOSCH GMBH (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :22/12/2011 (33) Name of priority country :Germany Germany (86) International Application No (72)Name of Inventor: :PCT/EP2012/076555 1)BAUER Richard Filing Date :21/12/2012 (87) International Publication No :WO 2013/092955 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method for operating a preferably serial hydraulic hybrid drive system (1) comprising an internal combustion engine (8) a first expulsion machine (11) a second expulsion machine (12) a pressure accumulator (20) and an isolating valve device (30). For the purpose of optimization it is proposed that for various operating modes in each case a total efficiency level is read out from characteristic maps. These total efficiency levels are compared with one another. The operating mode with the best total efficiency level is subsequently selected.

No. of Pages: 22 No. of Claims: 10

(21) Application No.4736/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: AZOLE DERIVATIVE AND USE THEREOF

(51) International classification :C07D249/08,A01N43/653,A01P3/00

(31) Priority Document No :2011258223 (32) Priority Date :25/11/2011

(33) Name of priority country :Japan

(86) International :PCT/JP2012/079778

Application No
Filing Date

116/11/2012

(87) International :WO 2013/077265

Publication No
(61) Patent of Addition to
NA

Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)KUREHA CORPORATION

Address of Applicant :3 3 2 Nihonbashi Hamacho Chuo ku

Tokyo 1038552 Japan (72)Name of Inventor: 1)ARAKI Nobuyuki 2)MIYAKE Taiji

3)OBATA Emiko

#### (57) Abstract:

The purpose is to provide a compound capable 0 1 demonstrating a high control effect on plant diseases and Keeping crop injury low. This triazole derivative is represented by general formula (I), said azole derivative having -R groups, hydroxy groups, and substituted or unsubstituted benzyl groups bonded to a cyclopentane ring in a cis-form, and representing a (-) -enan - tiomer or (+)-enantiomer.

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

(21) Application No.4738/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: PULSED HYDRAULIC PRESSURE AMPLIFICATION 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>	:F04F7/02 :1120335.3 :24/11/2011 :U.K. :PCT/GB2012/052901 :22/11/2012 :WO 2013/076498 :NA :NA	(71)Name of Applicant:  1)WATER POWERED TECHNOLOGIES LIMITED Address of Applicant: 14a Kingshill Industrial Estate Bude Cornwall EX23 8QN U.K. (72)Name of Inventor: 1)SELWYN Frederick Philip
	:NA :NA :NA	

#### (57) Abstract:

A hydraulic pressure amplification system for increasing the output pressure in the delivery pipe to or from a ram pump a spring rebound inertia pump or similar cyclic pumps which deliver a pulsating flow. Said hydraulic pressure amplification system comprises a fluid inlet (29) a fluid outlet (30) and one or more rigid bodies (21) which contain an enclosed convolute passageway extending between the fluid inlet and the fluid outlet. The body or bodies are sandwiched between rigid cover plates (22 23) which respectively contain the fluid inlet (29) and the fluid outlet (30).

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

(21) Application No.4739/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014 (43) Publication Date: 20/02/2015

## (54) Title of the invention: N-METHYL-2-[3-((E)-2-PYRIDIN-2-YL-VINYL)-IH-INDAZOL-6-YLSULFANYL]-BENZAMIDE FOR THE TREATMENT OF CHRONIC MYELOGENOUS LEUKEMIA

:A61K31/4439,A61P35/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/558915 (32) Priority Date :11/11/2011 (33) Name of priority country :U.S.A. (86) International Application No :PCT/IB2012/056168

Filing Date :05/11/2012 (87) International Publication No :WO 2013/068909

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

1)PFIZER INC.

Address of Applicant: 235 East 42nd Street New York New

York 10017 U.S.A. (72)Name of Inventor:

1)MURRAY Brion William

#### (57) Abstract:

The present invention relates to a method of treating chronic myelogenous leukemia in a subject comprising adminis o tering to the subject a compound, such as N-methyl-2-[3-((E)-2-pyridin-2-yl-vinyl)-lH-indazol-6-ylsulfanyl]-benzamide, that inhib - its the T3 15I mutation in BCR-ABL tyrosine kinase, or a pharmaceutically acceptable salt thereof. The present invention also relates o to a pharmaceutical composition comprising a compound such as N-methyl-2-[3-((E)-2-pyridin-2-yl-vinyl)-lH-indazol-6- ylsulfanyl]benzamide, that inhibits the T3 151 mutation in BCR-ABL tyrosine kinase, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent.

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

(21) Application No.4697/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: CARRIER FOR ETHYLENE OXIDE CATALYSTS

(51) International classification	:B01J21/04,C07D301/04,C07D303/04	(71)Name of Applicant: 1)SCIENTIFIC DESIGN COMPANY INC.
(31) Priority Document No	:NA	Address of Applicant :49 Industrial Avenue Little Ferry New
(32) Priority Date	:NA	Jersey 07643 U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor : 1)PAK Serguei
(86) International Application No Filing Date	:PCT/US2011/061660 :21/11/2011	2)ROKICKI Andrzej 3)KAWABATA Shuji 4)OHASHI Takayuki
(87) International Publication No	:WO 2013/077839	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

An improved carrier for an ethylene epoxidation catalyst is provided. The carrier includes an alumina component containing a first portion of alumina particles having a mean primary particle size of or greater than 2 m and up to 6 m and a second portion of alumina particles having a particle size less than 2 m. An improved catalyst containing the above described carrier as well as an improved process for the epoxidation of ethylene using the catalyst are also provided.

No. of Pages: 45 No. of Claims: 44

:NA

(21) Application No.4699/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ADJUSTABLE TILT ANGLE DEVICE FOR PHOTOVOLTAIC ARRAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:28/11/2012 :WO 2013/085776 :NA :NA :NA	(71)Name of Applicant:  1)SUNEDISON LLC  Address of Applicant:12500 Baltimore Avenue Beltsville  Maryland 20705 U.S.A.  (72)Name of Inventor:  1)CHERUKUPALLI Nagendra Srinivas  2)LOBUE Joseph D.
Filing Date	:NA :NA	

#### (57) Abstract:

A mounting member for a photovoltaic (PV) array mounted to a torque rail includes a rotatable member configured to couple to the torque rail and configured to rotate the torque rail around an axis of rotation. A support is coupled to the rotatable member and configured to support the rotatable member. A removable lock is configured to lock the rotatable member at a plurality of predetermined angles.

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

(21) Application No.4797/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: A METHOD OF DETERMINING CATALYTIC FINES IN AN OIL

(51) International classification :G01N24/08,G01N33/26,G01R33/44

(31) Priority Document No :PA 2011 00964 (32) Priority Date :12/12/2011 (33) Name of priority

country :Denmark

(86) International

Application No :PCT/DK2012/050456

Filing Date :07/12/2012

(87) International Publication: WO 2013/087077

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

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

(71)Name of Applicant : 1)NANONORD A/S

Address of Applicant : Skjernvej 4A DK 9220 Alborg

Denmark

(72)Name of Inventor: 1)JENSEN Ole N rgaard

#### (57) Abstract:

The invention concerns a method of performing a quantitative and/or qualitative determination of catalytic fines in fuel oil and a system suitable for determining catalytic fines in an oil using the method. The method comprises determining aluminum using NMR and quantitatively and/or qualitatively determining the catalytic fines based on the aluminum determination. The system comprises a NMR spectrometer a digital memory storing a calibration map comprising calibrating data for calibrating NMR spectra obtained by the NMR spectrometer and a computer programmed to analyze the NMR spectra obtained by the NMR spectrometer using calibration map and performing at least one quantitative and/or qualitative catalytic fines determination.

No. of Pages: 56 No. of Claims: 52

(21) Application No.4791/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/06/2014 (43) Publication Date : 20/02/2015

## (54) Title of the invention: SUBTERRANEAN WELL INTERVENTIONLESS FLOW RESTRICTOR BYPASS SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:NA :NA :NA :PCT/US2012/022043 :20/01/2012 :WO 2013/109287 :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC.  Address of Applicant: 10200 Belllaire Boulevard Houston TX  77072 U.S.A.  (72)Name of Inventor:  1)AITKEN Liam A.  2)KUO Nicholas A.  3)CUNNINGHAM Gregory S.  4)LOPEZ Jean Marc
(61) Patent of Addition to Application		3)CUNNINGHAM Gregory S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of variably restricting flow in a subterranean well can include resisting flow through a flow path and then selectively opening a pressure barrier which previously prevented flow through another flow path. The flow paths are configured for parallel flow. A flow restrictor system for use with a subterranean well can include at least two flow paths configured for parallel flow a flow restrictor which resists flow through one flow path and a pressure barrier which prevents flow through another flow path. The pressure barrier is selectively openable to permit flow through the second flow path.

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

(21) Application No.4679/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PASTE COMPOSITION FOR ELECTRODE AND SOLAR CELL ELEMENT AND SOLAR CELL

(51) International classification :H01B1/22,H01L31/0224,H01L31/068

(31) Priority Document No :2011249120 (32) Priority Date :14/11/2011 (33) Name of priority

country :Japan

(86) International Application No :PCT/JP2012/079157

Filing Date :09/11/2012

(87) International Publication No :WO 2013/073478

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

NA

NA

NA

NA

NA

NA

NA

NA

NA

(71)Name of Applicant:

1)Hitachi Chemical Company Ltd.

Address of Applicant: 9 2 Marunouchi 1 chome Chiyoda ku

Tokyo 1006606 Japan (72)Name of Inventor:
1)ADACHI Shuichiro
2)YOSHIDA Masato
3)NOJIRI Takeshi

4)KURIHARA Yoshiaki

5)KATO Takahiko

# (57) Abstract:

Filing Date

The present invention provides a paste composition for an electrode that includes phosphorus containing copper alloy particles tin containing particles nickel containing particles glass particles a solvent and a resin.

No. of Pages: 57 No. of Claims: 15

(21) Application No.4402/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: STEERABLE SYSTEM FOR ASPHALT MILLING ATTACHMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:E01C23/09 :61/565278 :30/11/2011 :U.S.A. :PCT/US2012/066727 :28/11/2012 :WO 2013/082068 :NA :NA	(71)Name of Applicant:  1)ASPHALT ZIPPER INC.  Address of Applicant: 310 West 700 South Pleasant Grove Utah 84062 U.S.A. (72)Name of Inventor:  1)HAROLDSEN J. Tron 2)TAYLOR Matthew H.
1 (41110-41		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A steering mechanism for a milling attachment device provides steering capability without impeding cutting depth control. The steering mechanism has at least one wheel that is rotated by an actuating mechanism such as an extending cylinder synchronized actuators or the like. The steering mechanism may be integrated with depth control by using a parallelogrammic structure with pivot points to assist in the depth control or may operate independent of and without impeding depth control.

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

(19) INDIA

(22) Date of filing of Application :30/05/2014

(21) Application No.4403/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: EYE DROP COMPOSITION

classification :A61K9/00,A61K31/322,A61K4//40 (31) Priority Document No :NA (32) Priority Date :NA	(71)Name of Applicant:  1)OKAPI SCIENCES NV Address of Applicant: Ambachtenlaan 1 B 3001 Heverlee Belgium (72)Name of Inventor: 1)GORIS Nesya 2)NEYTS Johan 3)BLOMSMA Erwin 4)WERA Stefaan 5)BILLIET Aino 6)AUWERX Joeri 7)DEBEURME Veerle 8)ROE Maryline 9)PUIG Pascal
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# (57) Abstract:

The present invention relates to an eye-drop composition comprising 2-amino-9-[[(1S,2R)-1,2-

bis(hydroxymethyl)cyclopropyl]methyl]- 1,9-dihydro-6H-Purin-6-one, and the use thereof for the diagnosis and treatment of herpetic eye infections in companion animals.

No. of Pages: 24 No. of Claims: 19

(21) Application No.4404/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: INFORMATION PROCESSING TERMINAL INFORMATION PROCESSING METHOD AND **PROGRAM**

(51) International :H04N5/222,H04N5/232,G03B5/00 classification

(31) Priority Document No :2011-266862

(32) Priority Date :06/12/2011

(33) Name of priority country: Japan (86) International Application

:PCT/JP2012/007650 No

:28/11/2012 Filing Date

(87) International Publication :WO 2013/084450

(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)SONY CORPORATION

Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075

(72)Name of Inventor:

1)NAKAMURA Takatoshi 2)SHIONOZAKI Atsushi

# (57) Abstract:

The present technology relates to an information processing terminal an information processing method and a program capable of naturally suppressing camera shake with a target object being arranged at a certain position on an image. An information processing terminal of an aspect of the present technology includes an imaging unit that takes an image; a display unit that displays the taken image; a measuring unit that measures a motion occurring in the terminal itself; and a display control unit that displays an indicator composed of a plurality of components arranged in a nested structure on the image and varies a position and a size of each component in accordance with the motion. The present technology is applicable to a mobile terminal provided with a camera and a display unit.

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

(21) Application No.4405/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PORTABLE INFUSION PUMP HAVING BATTERY COMPARTMENT COMPRISING AN INTERNAL DATA PORT

(51) International

:A61M5/142,H04M1/02,H05K5/00 classification

(31) Priority Document No :1200297.8 (32) Priority Date :07/01/2012 (33) Name of priority country: U.K.

(86) International Application :PCT/GB2012/000898

No :12/12/2012 Filing Date

(87) International Publication

:WO 2013/102747

(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)SMITHS MEDICAL INTERNATIONAL LIMITED

Address of Applicant :1500 Eureka Park Lower Pemberton

Ashford Kent TN25 4BF U.K. (72)Name of Inventor:

1)WELSCH Michael 2)ZALESKY Larry R.

#### (57) Abstract:

A medical syringe pump has a first processor (21) responsible for controlling infusion and a second processor (22) that functions as a watchdog to monitor operation of the first processor. A data communication connector (27) is located in the pump battery compartment (25) so that the batteries (24) have to be removed before external access can be made using an external connector (4). Removing the batteries (24) disables the infusion function of the first processor and ensures that the pump is prevented from infusing medication. When the external connector (4) is connected the first processor (21) can reprogram the second processor (22) or information about historical operation of the pump can be downloaded.

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

(21) Application No.4729/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LIMITING TORQUE CLUTCH IN AN INPUT DAMPER

(51) International :F16F15/12,F16F15/121,F16F15/123

(31) Priority Document No :61/560336 (32) Priority Date :16/11/2011 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2012/065444

Filing Date :16/11/2012

(87) International Publication No :WO 2013/074880

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

NA

:NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)ALLISON TRANSMISSION INC.

Address of Applicant :One Allison Way Indianapolis IN

46222 U.S.A.

(72)Name of Inventor:
1)COPELAND Kevin A.

#### (57) Abstract:

The present disclosure provides an input damper for coupling to a torque generating mechanism. The damper includes an outer cover a hub and a carrier assembly coupled to the hub. The carrier assembly is movably disposed within the cover. A clutch assembly moves between an engaged position and a disengaged position and is biased towards the engaged position. The input damper further includes an angular displacement mechanism operably coupled to the clutch assembly for moving the clutch assembly between the engaged position and disengaged position. The outer cover is coupled to the carrier assembly in the engaged position.

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

(21) Application No.4730/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: SILICONE RESINS

(51) International

:C08G77/56,C08G77/58,C08L83/14

classification

(31) Priority Document No (32) Priority Date

:1119826.4 :17/11/2011

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

:NA

(86) International Application :PCT/US2012/065024

:14/11/2012

Filing Date

(87) International Publication :WO 2013/074637

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

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

Number Filing Date (71)Name of Applicant:

1)DOW CORNING CORPORATION

Address of Applicant :2200 West Salzburg Road Midland MI

48686 0994 U.S.A.

(72)Name of Inventor:

1)DEPIERRO Michael

2)PIERRE David

3)RERAT Vincent

#### (57) Abstract:

The invention relates to silicone resins comprising metallosiloxane which contains Si O Metal bonds and borosiloxane containing Si O B bonds and potentially Si O Si and/or M O M and/or B O B bonds. It also relates to the preparation of such silicone resins and to their use in thermoplastic or thermosetting organic polymer or rubber or thermoplastic/rubber blends compositions to reduce the flammability or enhance scratch and/or abrasion resistance of the organic polymer compositions. It further relates to coatings made of such silicone resins for scratch resistance enhancement or flame retardant properties.

No. of Pages: 15 No. of Claims: 13

(21) Application No.4731/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/06/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: SILICONE RESINS

(51) International :C08G77/28,C08G77/30,C08L83/08

classification (31) Priority Document No :1119817.3

(32) Priority Date :17/11/2011 (33) Name of priority country: U.K.

(86) International Application :PCT/EP2012/072629

:14/11/2012 Filing Date

(87) International Publication :WO 2013/072371

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)DOW CORNING CORPORATION

Address of Applicant :2200 West Salzburg Road PO Box 994

Midland Michigan 48611 U.S.A.

(72)Name of Inventor:

1)KILINC Mert

2)PIERRE David 3)RERAT Vincent

(57) Abstract:

The invention relates to silicone resins. It also relates to the preparation of organopolysiloxanes and to their use in a thermoplastic or thermosetting organic polymer or thermoplastic blends or thermosetting organic polymer blends or rubbers or thermoplastic / rubbers blends composition to reduce the flammability or enhance scratch and/or abrasion resistance of the organic polymer composition. It further relates to coatings made of such silicone resins for scratch resistance enhancement or flame retardant properties.

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

(21) Application No.4732/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NEUTRAL STABLE AND TRANSPARENT PHOTOCATALYTIC TITANIUM DIOXIDE SOLS

(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	:B01J21/06,C01G23/047,B01D53/56 :61/560669 :16/11/2011 :U.S.A. :PCT/US2012/065616 :16/11/2012 :WO 2013/074984 :NA :NA	(71)Name of Applicant:  1)CRISTAL USA INC.  Address of Applicant: 20 Wight Avenue Suite 100 Hunt Valley MD 21030 U.S.A. (72)Name of Inventor:  1)KERROD Julie Elizabeth 2)WAGSTAFF Anthony Roy
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for preparing a neutral stable and transparent photocatalytic titanium dioxide sol is provided. The method comprises (1) contacting an alkaline titanium dioxide sol with an alkaline peptizing agent to provide a peptized alkaline titanium dioxide sol; (2) neutralizing the peptized alkaline titanium dioxide sol; and (3) obtaining or collecting the neutral stable and transparent photocatalytic titanium dioxide sol. The titanium dioxide sol is stable and transparent over a range of pH of about 7.0 to about 9.5. The titanium dioxide sol may include crystallites of titanium dioxide having an average particle size of less than about 10 nm with at least 90% of the crystallites being in the anatase form.

No. of Pages: 54 No. of Claims: 64

(19) INDIA

(22) Date of filing of Application :10/06/2014

(21) Application No.4709/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: HAND OPERATED SOLAR LIGHTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F23Q13/00 :FR1103530 :21/11/2011 :France :PCT/FR2012/000464 :16/11/2012 :WO 2013/076386 :NA	(71)Name of Applicant:  1)SUNITED SAS  Address of Applicant: 16rue soleillet F 75020 France (72)Name of Inventor:  1)MAU Corinne
- C		
Number	:NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA	

#### (57) Abstract:

The invention relates to a device comprising a first hand operated solar lighter a second hand operated solar lighter and a means for positioning the first lighter in relation to the second lighter in which the first lighter uses non renewable energy and the second lighter uses solar energy. The first lighter comprises a reservoir (1) and an igniter head (2) connected to the reservoir. The second lighter comprises a concave mirror (4) including hinge means (5) allowing the mirror to be folded in on itself and back out into the concave form thereof. The lighter of the invention is characterised in that the igniter head (2) is positioned in the convex portion of the mirror (4) by the positioning means (3) and in that the reservoir (1) is essentially positioned in the concave portion of the mirror (4) by the positioning means.

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

(21) Application No.4748/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : FIBER STRUCTURE WOVEN INTO A SINGLE PART BY MEANS OF 3D WEAVING AND USE IN THE MANUFACTURE OF A COMPOSITE MATERIAL PART

(51) International classification	:F01D5/28,D03D25/00	(71)Name of Applicant:
(31) Priority Document No	:61/570432	1)SNECMA
(32) Priority Date	:14/12/2011	Address of Applicant :2 boulevard du Gnral Martial Valin F
(33) Name of priority country	:U.S.A.	75015 Paris France
(86) International Application No	:PCT/FR2012/052853	(72)Name of Inventor:
Filing Date	:10/12/2012	1)MARCHAL Yann
(87) International Publication No	:WO 2013/088040	2)COUPE Dominique
(61) Patent of Addition to Application	:NA	3)FRUSCELLO Monica
Number	*- *	4)GOERING Jonathan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In a fiber structure woven into a single part by means of three dimensional weaving first woof threads connect therebetween warp thread layers from a first portion (1) of the fiber structure (10) which are adjacent to a disconnection (16) with warp thread layers from a second portion (14) of the fiber structure which are located beyond the disconnection and second woof threads connect therebetween warp thread layers from the second portion (14) of the fiber structure which are adjacent to the disconnection with warp thread layers from the first portion (12) of the fiber structure which are located beyond the disconnection such that the paths of the first and second woof threads intersect in at least one transition area (18) extending into the fiber structure from the base of the disconnection the transition area extending over a distance greater than the pitch (p) between adjacent warp columns in the woof direction.

No. of Pages: 36 No. of Claims: 18

(21) Application No.4750/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR REDUCING COLOR IN USED LUBRICATING 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C10M175/00 :61/591407 :27/01/2012 :U.S.A. :PCT/US2013/022361 :21/01/2013 :WO 2013/112395 :NA :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor: 1)MEIJERHOF Antjo H.
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# (57) Abstract:

A method for reducing color in used lubricating oil. The method comprises combining: (i) a used lubricating oil; (ii) an alkali metal borohydride; and (iii) a bisulfite or metabisulfite salt.

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

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: INDUSTRIAL VEHICLE

(51) International classification :B60K11/04,E02F9/00,F01P3/18 (71)Name of Applicant :

(31) Priority Document No :2012118722 (32) Priority Date :24/05/2012

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/072494

Filing Date :04/09/2012

(87) International Publication No: WO 2013/175646

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

(62) Divisional to Application :NA Number :NA

Filing Date

(21) Application No.4665/DELNP/2014 A

1)KOMATSU LTD.

Address of Applicant : 2 3 6 Akasaka Minato ku Tokyo

1078414 Japan

(72)Name of Inventor:

1)FUJIMORI Hiroyoshi

#### (57) Abstract:

According to the present invention a first cooling device is disposed upstream in the airflow direction from an engine in an engine compartment. A second cooling device is disposed upstream in the airflow direction from the first cooling device. A third cooling device is disposed upstream in the airflow direction from the second cooling device. An air pipe connects the engine and the third cooling device. The air pipe is disposed so as to pass above the first cooling device and the second cooling device. A close off member closes the periphery of the space between the first cooling device and the second cooling device. The close off member is provided with an opening. A cover member is provided so as to be capable of opening and closing the opening.

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

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: NEW COMBINATION

(51) International classification

:A61K9/20,A61K31/4184,A61K31/501

(31) Priority Document

:11195015.0

(32) Priority Date

:21/12/2011

country

(33) Name of priority :EPO

(86) International Application No

:PCT/EP2012/076100 :19/12/2012

Filing Date

(87) International

Publication No

:WO 2013/092673

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

Filing Date

:NA :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant: 1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor:

1)GRMAS Jernej

2) JERALA STRUKELJ Zdenka

(21) Application No.4668/DELNP/2014 A

3) REVEN Sebastjan

(57) Abstract:

The invention relates to a new fixed dose combination of benazepril with pimobendan.

No. of Pages: 23 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :09/06/2014

(21) Application No.4669/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : DISPLAY DEVICE COMPUTER PROGRAM RECODING MEDIUM AND TEMPERATURE ESTIMATION METHOD

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Publication No Filing Date (52) Signature Signatur	Address of Applicant :153 Shimokashiwano machi Hakusan shi Ishikawa 9248566 Japan 2/064627 (72)Name of Inventor :  1)YOSHIDA Yuya
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#### (57) Abstract:

Provided are a display device a computer program a recording medium and a temperature estimation method whereby it is possible to accurately estimate the atmosphere temperature in the periphery of the host device. [Solution] A panel temperature sensor (10) and a switch substrate temperature sensor (20) are disposed on a display device (100) at different locations. A control unit (30) identifies a set of correlation information indicating the correlation between a first temperature difference (Tp) between an atmosphere temperature (Te) and a temperature (Tp) detected by means of the panel temperature sensor (10) and a second temperature sensor (20). The control unit (30) estimates the atmosphere temperature (Te) on the basis of the identified correlation information and the temperatures (Tp Ts) detected by means of the panel temperature sensor (10) and the switch substrate temperature sensor (20).

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

(19) INDIA

(22) Date of filing of Application :10/06/2014

(21) Application No.4718/DELNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PNEUMATIC TIRE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B60C11/11 :2011272631 :13/12/2011 :Japan :PCT/JP2012/007979 :13/12/2012 :WO 2013/088726 :NA :NA :NA	(71)Name of Applicant:  1)BRIDGESTONE CORPORATION  Address of Applicant:10 1 Kyobashi 1 chome Chuo ku Tokyo 1048340 Japan (72)Name of Inventor:  1)TAKAHASHI Junichi
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#### (57) Abstract:

The purpose of the present invention is to provide a pneumatic tire with improved dirt discharge capability. In this pneumatic tire lug grooves that extend in the width direction of the tire and open at one end to the edge of the tread are formed in the tread surface. The pneumatic tire is characterized in that at least one of the groove walls located on either side in the circumferential direction of the tire of each lug groove has a curved surface section comprising a curved surface of a prescribed shape and in that in the curved surface of the prescribed shape a cross sectional curved line perpendicular to the edge of the lug groove open to the tread surface or to a line extending from this open edge is a curved line that is convex in the direction opposite to that of the lug groove side while the curvature of the cross sectional curved line becomes gradually smaller as it proceeds from the tire equator toward the edge of the tread.

No. of Pages: 21 No. of Claims: 6

(19) INDIA

(21) Application No.4719/DELNP/2014 A

(22) Date of filing of Application: 10/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: PNEUMATIC TIRE

:B60C11/04,B60C11/13	(71)Name of Applicant :
:2011271336	1)BRIDGESTONE CORPORATION
:12/12/2011	Address of Applicant :10 1 Kyobashi 1 chome Chuo ku Tokyo
:Japan	1048340 Japan
:PCT/JP2012/007955	(72)Name of Inventor:
:12/12/2012	1)OKADA Junichi
:WO 2013/088717	
·NIA	
.NA	
:NA	
	:2011271336 :12/12/2011 :Japan :PCT/JP2012/007955 :12/12/2012 :WO 2013/088717 :NA :NA

### (57) Abstract:

Filing Date

Provided is a pneumatic tire comprising a plurality of lands which are segmented by at least one circumferential primary groove which extends along the tire circumference in the track of the tread and by a plurality of oblique grooves one end of which opens in the circumferential primary groove and which extend obliquely with respect to the tire circumference direction in plan view from the one end to another end thereof. The lands further comprise oblique wall parts on lateral wall faces which face the circumferential primary groove and form a portion of groove lateral walls of the circumferential primary groove. The incline of the oblique wall parts increases gradually in the tire circumference direction from the one end to the other end thereof.

:NA

No. of Pages: 26 No. of Claims: 4

(21) Application No.4752/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: PROCESS AND SYSTEM FOR CONVERSION OF CARBON DIOXIDE TO CARBON MONOXIDE

(51) International classification :C01B3/24,C10J3/00,C01B31/18 (71)Name of Applicant:

:20/12/2012

(31) Priority Document No :10 2011 122 562.9 (32) Priority Date :20/12/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/005309

No Filing Date

(87) International Publication No: WO 2013/091878

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)CCP TECHNOLOGY GMBH

Address of Applicant: Weissenburger Str. 7 81667 M<sup>1</sup>/<sub>4</sub>nchen

Germany

(72)Name of Inventor:

1)KHL Olaf

# (57) Abstract:

A process and a device for converting carbon dioxide CO to carbon monoxide CO using hydrocarbons are described. In further details processes and devices are described for generating synthesis gases and processes and devices are described for converting synthesis gases to synthetic functionalized and/or non functionalized hydrocarbons using CO and hydrocarbons. By means of the processes and the devices carbon dioxide emitted from industrial process can be converted and the amount of carbon dioxide released into the atmosphere can be decreased.

No. of Pages: 32 No. of Claims: 31

(21) Application No.4753/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention : METHOD AND APPARATUS FOR CLEANING A HEATING ELEMENT OF AEROSOL GENERATING 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>	:A24F47/00 :11196235.3 :30/12/2011 :EPO :PCT/EP2012/077093 :28/12/2012 :WO 2013/098411 :NA :NA :NA	(71)Name of Applicant:  1)PHILIP MORRIS PRODUCTS S.A.  Address of Applicant: Quai Jeanrenaud 3 CH 2000 Neuchatel Switzerland (72)Name of Inventor:  1)PLOJOUX Julien 2)GREIM Olivier
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#### (57) Abstract:

A method of using an aerosol generating device (10) comprises the steps of bringing a heating element (90) of the aerosol generating device into contact with an aerosol forming substrate (30) raising the temperature of the heating element (90) to a first temperature to heat the aerosol forming substrate (30) sufficiently to form an aerosol removing the heating element from contact with the aerosol forming substrate and heating the heating element to a second temperature higher than the first temperature to thermally liberate organic materials adhered to or deposited on the heating element. An embodiment of an aerosol generating device (10) comprises a heating element (90) coupled to a controller (19) for heating the heating element to the first temperature and to the second temperature.

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

(21) Application No.4770/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NUCLEAR GRADE AIR ACCUMULATION INDICATION AND VENTING 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>	:F16K37/00 :61/560360 :16/11/2011 :U.S.A. :PCT/US2012/065719 :16/11/2012 :WO 2013/075056 :NA :NA :NA	(71)Name of Applicant: 1)NUCCORP INC. Address of Applicant: 225 Mariannas Court Lexington SC 29072 U.S.A. (72)Name of Inventor: 1)WOOD Jr. Willie Turner
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#### (57) Abstract:

A device for accumulating isolating indicating and venting accumulated gas in a fluid system pipe includes a main pipe fitting affixed to a system pipe in which a hole has been drilled. A standpipe attached to the pipe fitting houses a magnetic float. A magnetic float level indicator exterior to the pipe indicates the magnetic float s level. A valve attached to the standpipe above the magnetic float allows controlled ventilation of the gas in the standpipe and thus in the piping system. Gas from the system pipe accumulates in the standpipe removed from the primary fluid flow path of the system pipe. In the standpipe as the liquid/gas interface drops the float drops to a pre determined level at which point the user vents the gas from the piping system causing the magnetic float to rise indicating that gas is again at acceptable levels in the piping system.

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

(21) Application No.4771/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NEEDLE TIP STORAGE AND REMOVAL DEVICE

:NA

(51) International classification	:A61M5/00,A61M5/32	(71)Name of Applicant :
(31) Priority Document No	:1121667.8	1)OWEN MUMFORD LIMITED
(32) Priority Date	:16/12/2011	Address of Applicant :Brook Hill Woodstock Oxford
(33) Name of priority country	:U.K.	Oxfordshire OX20 1TU U.K.
(86) International Application No	:PCT/GB2012/053164	(72)Name of Inventor:
Filing Date	:17/12/2012	1)EVANS Timothy
(87) International Publication No	:WO 2013/088178	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	

# (57) Abstract:

Filing Date

Various needle tip storage and removal devices are disclosed which comprise a housing (53) with a separate storage compartment (50) and removal compartment (52) for receiving a needle tip. The removal compartment is designed to hold securely a used needle tip and is provided with a movable closure element (54).

No. of Pages: 30 No. of Claims: 27

(21) Application No.4772/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR MONITORING A GEARBOX OF A WIND ENERGY INSTALLATION AND CORRESPONDING WIND ENERGY INSTALLATION

(51) International

classification

:10 2011 056 093.9

(31) Priority Document No

:06/12/2011

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

(86) International Application :PCT/EP2012/074685

No

Filing Date

:06/12/2012

(87) International Publication: WO 2013/083716

(61) Patent of Addition to

:NA

**Application Number** Filing Date

:NA

:NA

(62) Divisional to Application :NA Number Filing Date

(57) Abstract:

 $:\!G01N33/28,\!F16H57/04,\!F03D11/00 \bigg| (71) \pmb{Name of Applicant:}$ 1)KENERSYS GMBH

Address of Applicant :portAL 10 Albersloher Weg 10 48155

M<sup>1</sup>/<sub>4</sub>nster Germany (72)Name of Inventor: 1)JACOBSEN Jrn

The invention relates to a method for monitoring a gearbox (20) of a wind energy installation (12) comprising said gearbox (20) and at least one gearbox fluid circuit (22) in which method at least one particle characteristic variable of particles contained in the gearbox fluid in particular the quantity and/or the size and/or the type of these particles is determined by measurement on at least one gearbox position (36,36,36,36) in the gearbox (20) and/or by fluid sampling on at least one such gearbox position (36,36,36,36) and a subsequent measurement of the particle characteristic variable of the particles contained in the gearbox fluid is determined in a path of the gearbox fluid circuit (22). Furthermore at least one operating characteristic variable (n P T) is determined by means of which a current operating state of the wind energy installation (12) and/or of the gearbox (20) at the moment of the at least one measurement is determined the at least one measurement being evaluated according to the operating state thus determined. The invention further relates to a corresponding computer program product a corresponding monitoring system for monitoring a gearbox (20) of a wind energy installation (12) and a corresponding wind energy installation (12).

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

(21) Application No.4745/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: DIFFUSION BLOCKING LAYER IN AN EXHAUST TREATMENT UNIT

(51) International classification :C23C8/02,C23C8/10,C23C8/14 (71)Name of Applicant :

(31) Priority Document No :10 2011 119 740.4 (32) Priority Date :30/11/2011

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2012/073634

Filing Date :26/11/2012 (87) International Publication No: WO 2013/079448

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

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

1)EMITEC GESELLSCHAFT FR EMISSIONSTECHNOLOGIE MBH

Address of Applicant : Hauptstrae 128 53797 Lohmar

Germany

(72)Name of Inventor:

1)LUTZ Dieter

#### (57) Abstract:

The invention relates to a method for generating a diffusion blocking layer (1) comprising aluminum oxide (8) on a metal plate (2) which consists of a base material (3) which comprises at least iron (Fe) chromium (Cr) and aluminum (Al). The invention further relates to integrating said method into the production of an exhaust treatment unit (12) wherein the exhaust treatment unit (12) has a honeycomb body (13) and a housing (14) and at least the honeycomb body (13) or the housing (14) is formed with a metal plate (2) and the metal plate (2) consists of a base material (3) which comprises at least iron (Fe) chromium (Cr) and aluminum (Al). The metal plate (2) thus comprises at least in a sub region (5) a surface layer (7) which comprises at least aluminum oxide (8) and a metal (9) from the group consisting of cobalt (Co) and nickel (Ni).

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR PREPARING PHYSIOLOGICALLY ACTIVE POLYPEPTIDE COMPLEX

(51) International classification :C07K17/10,C07K17/08,C07K1/18

(31) Priority Document No :10-2011-0114828 (32) Priority Date :04/11/2011 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2012/009186

Filing Date :02/11/2012

(87) International Publication :WO 2013/066106

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant :

1)HANMI SCIENCE CO. LTD.

Address of Applicant :550 Dongtangiheung ro Dongtan myeon Hwaseong si Gyeonggi do 445 813 Republic of Korea

(72)Name of Inventor:

1)KIM Dae Jin

2)JANG Myung Hyun

3)KIM Seung Su

4)LEE Jong Soo

5)CHOI Jae Hyuk

6)KWON Se Chang

# (57) Abstract:

The present invention relates to a method for preparing a conjugate of a physiologically active polypeptide and a non peptide polymer by linking physiologically active polypeptide with non peptide polymer through a covalent bond using an organic solvent and for preparing a physiologically active polypeptide complex by linking the conjugate with a carrier in order to improve duration and stability of the physiologically active polypeptide. The method of the present invention can prepare the conjugate of the physiologically active polypeptide and non peptide polymer with high purity and yield and the physiologically active polypeptide complexes as prepared taking advantage of this can provide a reduction in production cost and an extension of activity at a relatively high level and significantly increase in the blood half life and thus can be effectively used for development of the sustained release formulation of physiologically active polypeptide which can raise patient s adaptability of taking the drug.

No. of Pages: 51 No. of Claims: 22

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SOLAR CHIMNEY WITH EXTERNAL VERTICAL AXIS WIND TURBINE

Number Filing Date  (62) Divisional to Application Number Filing Date  (NA  NA  Silva  Silva	Filing Date (62) Divisional to Application Number	:05/04/2012 :WO 2013/100865 :NA :NA :NA	(71)Name of Applicant:  1)YANGPICHIT Pitaya  Address of Applicant: 191 Surawong Road Khwang Suriyawong Khet Bangrak Bangkok 10500 Thailand (72)Name of Inventor:  1)YANGPICHIT Pitaya
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#### (57) Abstract:

The solar chimney of the present invention comprises an elongated chamber having an inlet end and an outlet end the chamber defining a path for fluid such as air from the inlet to the outlet. Air updrafts in the chamber drive an internal turbine which is connected to an electric generator or to some other machine. The chamber has the general configuration of an hourglass; the diameter of the chamber becomes progressively smaller with distance from the inlet end until the diameter reaches a minimum value then becomes progressively larger as one proceeds towards the outlet end. Disposed within the chamber are one or more means for heating air in the chamber by solar and/or wind energy.

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

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AIR SUPPLY AND EXHAUST SYSTEM FOR TUNNEL TYPE STERILIZING DRYER

(51) International classification: B65B55/06,F26B21/00,A61L2/06 (71)Name of Applicant: (31) Priority Document No :201110406020.5 1)TRUKING TECHNOLOGY LIMITED (32) Priority Date :08/12/2011 Address of Applicant: No.1 Xinkang Road Yutan Town (33) Name of priority country Ningxiang County Changsha Hunan 410600 China :China (86) International Application (72)Name of Inventor: :PCT/CN2012/085148 1)CAI Davu No :23/11/2012 Filing Date 2)ZHU Zanming (87) International Publication 3)ZHOU Feiyue :WO 2013/083002 4)TANG Yue (61) Patent of Addition to :NA **Application Number** :NA Filing Date

### (57) Abstract:

Filing Date

Number

(62) Divisional to Application

:NA

:NA

An air supply and exhaust system for a tunnel type sterilizing dryer comprising an indoor oven assembly (1) a quantitative air supply assembly (2) and a quantitative air exhaust assembly (3) communicating with the oven assembly (1); the air inlet of the quantitative air supply assembly (2) is disposed outdoors. The system improves the stability and controllability of indoor pressure difference and laminar flow effect is safe and reliable to use and avoids backflow contamination thus improving operation environment and reducing production cost.

No. of Pages: 12 No. of Claims: 9

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A METHOD OF INCREASING EFFICIENCY IN A HYDRAULIC FRACTURING OPERATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C09K8/72 :13/359684 :27/01/2012 :U.S.A. :PCT/US2013/023114 :25/01/2013 :WO 2013/112811 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)BAKER HUGHES INCORPORATED Address of Applicant: 2929 Allen Parkway Suite 2100</li> <li>Houston TX 77019 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)CURTIS James Andrew</li> <li>2)GOMEZ CASANOVA Julio Rodolfo</li> </ul>
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# (57) Abstract:

Multiple zones of a subterranean formation penetrated by a multi zoned completed well may be fractured by pumping into one or more zones an acidizing solution at or above the fracturing pressure of the subterranean formation. After fractures are created or enhanced in the formation a displacement fluid is pumped into the formation to farther advance the acidizing solution into the fractures.

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

(21) Application No.4685/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FORMING APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09/11/2011 :WO 2013/070199 :NA :NA	(71)Name of Applicant:  1)BELVAC PRODUCTION MACHINERY INC.  Address of Applicant: 237 Graves Mill Road Lynchburg Virginia 24502 4203 U.S.A. (72)Name of Inventor:  1)BABBITT Terry 2)NAGISETTY Nageswara 3)GREEN Dennis
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A rotatable forming apparatus and a method for modifying a shape of a container. The rotatable forming apparatus includes a frame and a forming turret assembly. The forming turret assembly includes a drive shaft a fixed turret portion a turret starwheel an axially moveable turret portion and forming ram assemblies. The forming ram assemblies extend around and connect to the axially movable turret portion. Each of the forming ram assemblies includes cam followers a forming die a knockout tooling device and a drive cylinder. The cam followers are configured to follow the cam as the forming ram assemblies rotate around the stationary cam. The forming die is operatively connected to the cam followers such that the forming die moves in the vertical direction while following the cam. The drive cylinder causes axial movement of the knockout tooling device and is configured to operate independently of the forming die.

No. of Pages: 38 No. of Claims: 17

(21) Application No.1106/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: FILM PACKAGING FOR ORAL BIOLOGICS

(51) International classification :A61J1/03,B32B5/02,B65D75/32 (71)Name of Applicant:

(31) Priority Document No :11188099.3 (32) Priority Date :07/11/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/072029 No

:07/11/2012 Filing Date

(87) International Publication No:WO 2013/068399

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

:NA Number :NA Filing Date

1)IDT BIOLOGIKA GMBH

Address of Applicant: Am Pharmapark 06861 Dessau Rosslau

Germany

(72)Name of Inventor: 1)WILKE J1/4rgen 2)KAISER Christian

3)SCHUSTER Peter

# (57) Abstract:

The invention relates to a sealable molded body and the production thereof as well as a composite film for the formation of the molded body and the use of the molded body for the packaging of oral biologies in particular orally applicable vaccines. The composite film comprises two outer layers one of the outer layers is formed as a sealing layer or a barrier layer or a carrier layer and the other outer layer has a rough or uneven or microstructured surface or comprises at least a nonwoven material an adhesive material a sticky material or a combination thereof. It is preferred that the composite film is biologically degradable. A molded body which takes up the biologic or the vaccine is formed from the composite film by thermoforming and is then sealed.

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

(22) Date of filing of Application :05/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: HANDLING IMPAIRED WIRELESS CONNECTION IN A COMMUNICATION SYSTEM

(51) International classification :H04W4/18,H04L29/14,H04W4/02

(31) Priority Document No :61/577613 (32) Priority Date :19/12/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/063047

No :01/11/2012

Filing Date
(87) International Publication
WG 2012/00

No :WO 2013/095782

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

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

Filing Date

(71)Name of Applicant:

1)QUALCOMM INCORPORATED

Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A.

(72)Name of Inventor:

1)XIANG Pei 2)HUANG Hesu 3)CAI Lukai

4)EL MALEH Khaled Helmi

# (57) Abstract:

A wireless communication system and related techniques and apparatuses are disclosed that predict future disconnections or other connection impairments with end user portable devices in advance so that service interruptions can be handled more gracefully. The system can predict the loss of service based on user usage information associated with the portable device such as the current GPS location of the device its direction and velocity of travel a user calendar user habits and other information such as the time of day weather conditions or wireless network coverage maps. An impairment handling method is selected that alters the content presented by the portable device. The impairment handling method is executed by the system upon detecting the impairment of the wireless connection so that the content is altered during occurrence of the impairment. The alteration of the content is done to mitigate the user perceived effect of the impairment.

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

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHODS AND APPARATUSES FOR USE IN SELECTING A TRANSMITTING DEVICE FOR USE IN A POSITIONING FUNCTION

#### (57) Abstract:

Methods and apparatuses are provided which may be implemented in various devices having one or more computing platforms to obtain signaling characteristics for one or more transmitting devices (110). The signaling characteristics may for example be based at least in part on one or more signals received by a receiving device (102 106) from the transmitting device(s) (110) and may comprise at least a received signal strength measurement and a propagation time measurement. Such methods and apparatuses may further be implemented to determine whether a mobile station (102) is to use or not use positioning data for one or more transmitting device(s) (110) in a positioning function based at least in part on the received signal strength measurement and the propagation time measurement.

No. of Pages: 42 No. of Claims: 40

(22) Date of filing of Application :05/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR ENHANCED PHOTOEPILATION BASED ON METALLIC NANO-COMPLEXES

(51) International classification :A61K8/19,A61K8/73,A61Q9/04 (71)Name of Applicant: (31) Priority Document No 1)FUNDACI INSTITUT DE CI'NCIES FOT'NIQUES (32) Priority Date Address of Applicant : Parque Mediterr neo de la Tecnologia :NA (33) Name of priority country Av. Carl Friedrich Gauss 3 E 08860 Castelldefels (Barcelona, :NA (86) International Application Spain Spain :PCT/EP2011/071386 2)INSTITUCI CATALANA DE RECERCA I ESTUDIS No :30/11/2011 Filing Date AVAN:ATS (87) International Publication No:WO 2013/079105 (72)Name of Inventor: (61) Patent of Addition to 1)QUIDANT Romain Roger :NA Application Number 2)DE MIGUEL CLAVE Ignacio :NA Filing Date 3)KREUZER Mark (62) Divisional to Application :NA Number :NA Filing Date

# (57) Abstract:

The present invention relates to a composition for topical application on skin for photoepilation comprising nanocomplexes which comprise a nanoparticle supporting an LSP resonance which is coated with at least a chemical compound wherein said chemical compound is selected from the group consisting of polyionic polymers heterobifunctional compound of the surface assembled monolayer type antibodies and their mixtures. The present invention also relates to a photoepilation method which comprises the steps of (i) applying to the skin surface the composition for topical application of the present invention and (ii) applying a radiation to said surface of the skin.

No. of Pages: 37 No. of Claims: 12

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SELF BAKING ELECTRODE UPPER END DETECTION APPARATUS AND SELF BAKING ELECTRODE UPPER END MANAGEMENT METHOD

(51) International classification:H05B7/109,F27D11/10,G01B5/00 (71)Name of Applicant:

(31) Priority Document No :2011247249 (32) Priority Date :11/11/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/066585

:28/06/2012 Filing Date

(87) International Publication :WO 2013/069334 No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA

Address of Applicant: 1 1Nihonbashi Muromachi 2

chomeChuo ku Tokyo 1038338 Japan

(72)Name of Inventor:

1)TANIMURAKvoichi

2)KAMAMOTOJunpei

3)NANASAWATakashi

#### (57) Abstract:

Provided is a self baking electrode upper end detection apparatus with which the upper end of a self baking electrode can be detected automatically accurately and safely. The self baking electrode upper end detection apparatus (40) is provided with: a protection tube (50) that is disposed in an anchored state within an electrode case (20) and the lower end of which is positioned higher than the upper end of an electrode energizing section (30); a measurement tube (60) that is disposed so as to be inserted through the protection tube (50); and an air cylinder (70) for lowering the measurement tube (60) with a constant pressure from the initial position thereof to where the lower end (61) of the measurement tube (60) hits a self baking electrode (10) and stops. The air cylinder (70) is actuated so as to lower the measurement tube (60) until the tube stops and an evaluation is made as to whether the stopping position of the lower end (61) of the measurement tube (60) is within a management range (R).

No. of Pages: 26 No. of Claims: 12

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : NON CONTACT ROTATION ANGLE DETECTION DEVICE MANUFACTURING METHOD THEREFOR AND THROTTLE VALVE CONTROL APPARATUS

(51) International classification (31) Priority Document No	:G01D5/12,F02D9/00,F02D35/00 :2011265802	(71)Name of Applicant : 1)MIKUNI CORPORATION
(32) Priority Date	:05/12/2011	Address of Applicant :13 11 Sotokanda 6 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1010021 Japan
(86) International Application No Filing Date	:PCT/JP2012/081026 :30/11/2012	(72)Name of Inventor : 1)MATSUMOTO Kazuo 2)SOYAMA Hiroaki
(87) International Publication No	:WO 2013/084802	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	

#### (57) Abstract:

Filing Date

In order to achieve small variations in detection accuracy among individual non contact rotation angle detection devices even under a temperature environment near 40 degrees provided are a non contact rotation angle detection device a manufacturing method therefor and a throttle valve control apparatus using the same the non contact rotation angle detection device being provided with at least a stator (110) a Hall IC (120A) disposed in a cavity (110S) of the stator (110) and provided with a magneto sensitive part a circuit board (130) connected to the Hall IC (120A) a casing (140) provided with a holding part (140H) that holds the stator (110) and a housing part (140S) that communicates with the cavity (110S) and houses the circuit board (130) and a resin member (150A) filled into the cavity (110S) and into the housing part (140S) so as to surround the hall IC (120A) and the circuit board (130) the glass transition temperature of a resin member (152A) that surrounds at least the magneto sensitive part in the resin member (150A) being 40 degrees or lower.

No. of Pages: 46 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :06/06/2014 (43) Publication Date : 20/02/2015

(54) Title of the invention: PATIENT TRANSFER 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>	:A61G7/10 :61/568749 :09/12/2011 :U.S.A. :PCT/US2012/068476 :07/12/2012 :WO 2013/086341 :NA :NA	(71)Name of Applicant:  1)ARJOHUNTLEIGH  Address of Applicant: Arjohunthleigh House Houghton Hall Business Park Houghton Regis Bedfordshire LU5 5XF U.K. (72)Name of Inventor:  1)PIEGDON Samuel  2)MANUNTA Alejandro
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.1123/MUMNP/2014 A

#### (57) Abstract:

A patient support device. The support device includes a first side for contacting a surface the first side having a perimeter portion and an inner portion. The support device further includes a second side for contacting a patient the second side having a perimeter portion and an inner portion. The support devices also includes at least one baffle interconnected between the first and second sides. When in an unloaded state the perimeter portion of the first side is in contact with the surface and the inner portion of the first side is spaced a first distance away from the surface When in a loaded state the perimeter portion of the first side is in contact with the surface and the inner portion of the first side is spaced a second distance away from the surface. The second distance is less than the first distance.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR TRAFFIC LOAD BALANCING ON MULTIPLE WAN BACKHAULS AND MULTIPLE DISTINCT LAN 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L12/24 :NA :NA :NA :PCT/US2011/063327 :05/12/2011 :WO 2013/085486 :NA :NA :NA	(71)Name of Applicant:  1)ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT INC.  Address of Applicant: 333 Twin Dolphin Drive Redwood City CA 94065 U.S.A. (72)Name of Inventor:  1)CHOW Peter  2)BHAGAVATULA Ramya 3)RHEE Wonjong 4)TEHRANI Ardavan Maleki 5)CIOFFI John 6)GALLI Stefano 7)YUN Sungho 8)KERPEZ Kenneth 9)GOLDBURG Marc
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### (57) Abstract:

In accordance with embodiments disclosed herein there are provided methods systems mechanisms techniques and apparatuses for traffic aggregation on multiple WAN backhauls and multiple distinct LAN networks; for traffic load balancing on multiple WAN backhauls and multiple distinct LAN networks; and for performing self healing operations utilizing multiple WAN backhauls serving multiple distinct LAN networks. For example in one embodiment a first Local Area Network (LAN) access device is to establish a first LAN; a second LAN access device is to establish a second LAN; a first Wide Area Network (WAN) backhaul connection is to provide the first LAN access device with WAN connectivity; a second WAN backhaul connection to provide the second LAN access device the second LAN access device the first WAN backhaul connection and the second WAN backhaul connection; and the management device routes a first portion of traffic originating from the first LAN over the first WAN backhaul connection and routes a second portion of the traffic originating from the first LAN over the second WAN backhaul connection.

No. of Pages: 103 No. of Claims: 46

(19) INDIA

(22) Date of filing of Application :05/06/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: LAUNDRY COMPOSITIONS

(51) International classification :C11D1/94,C11D3/00,C11D3/22 (71)Name of Applicant: (31) Priority Document No :11192983.2 (32) Priority Date :12/12/2011

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2012/071588

Filing Date :31/10/2012 (87) International Publication No: WO 2013/087286

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

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

Filing Date

### 1)UNILEVER PLC

Address of Applicant : Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.

(72)Name of Inventor:

1)CROSSMAN Martin Charles

(21) Application No.1114/MUMNP/2014 A

2)DAWSON Belinda Fay

#### (57) Abstract:

The present invention relates to a laundry liquid detergent composition comprising (a) nonionic surfactant which comprises an alcohol ethoxylate; (b) anionic surfactant comprising sodium and/or potassium alkyl C to C benzene sulfonate; (c) alkyl ether carboxylic acid or carboxylate salt thereof; (d) a betaine surfactant; and (e) a cationic polymer; and to the use of a composition comprising an alkyl ether carboxylate cationic polymer and a betaine to soften fabrics.

No. of Pages: 28 No. of Claims: 14

(21) Application No.1115/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/06/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: SOAP BAR USAGE MONITORING

(51) International :G06Q30/02,G06Q50/22,G08B21/24 classification

(31) Priority Document No :11192970.9 (32) Priority Date :12/12/2011 (33) Name of priority

:EPO country

(86) International :PCT/EP2012/074700

Application No :06/12/2012 Filing Date

(87) International Publication: WO 2013/087520

(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)UNILEVER PLC

Address of Applicant :100 Victoria Embankment GB London

Greater London EC4Y 0DY U.K.

(72)Name of Inventor: 1)BATES Susan

2)ZILLMER Ruediger

#### (57) Abstract:

The invention provides a system suitable for monitoring usage of a soap bar the system comprising: (a) a soap bar (b) a programmable data logger which is positioned in the soap bar the data logger incorporating a motionsensor a sound sensor a data store for the logging of data and switching means for triggering the operation of the sound sensor in response to initial signals of soap motion generated by the motionsensor and (c) a data analysis device which is adapted to analyse data transmitted or acquired from the system to provide information about soap bar usage; in which the duration of data logging is controllable in response to the signals received from the motionsensor and the sound sensor respectively.

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

(21) Application No.784/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/04/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: METHOD FOR PRODUCING PROTEIN AND ETHANOL FROM ENSILAGED PODCROP

(51) International :C12P7/10,A01D45/22,A01D45/24 classification

(31) Priority Document No :11007069 (32) Priority Date :26/09/2011 (33) Name of priority country: Sweden

(86) International Application :PCT/SE2012/000148

:26/09/2012 Filing Date

(87) International Publication

:WO 2013/048299 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)LUNDH Jan

Address of Applicant: Stigby 22 S 560 34 Visings Sweden

Sweden

(72)Name of Inventor:

1)LUNDH Jan

### (57) Abstract:

A method to use ensilaged pod crop to produce protein for animal feed and for human consumption together with production of energy as solid gas and liquid. The purpose is to store the crop and to shorten the time in the field to secure the harvest yield and to be able to plant the next crop in rotating farming already in the fall as for instance winter wheat. This method also make it possible to take benefit from the nitrogen fixated by the pod crop and the carbon left in the soil as humus that decreases the level of C02 in the atmosphere. An apparatus that separate clean and ennoble the crop locally to take care of the all the useful substances.

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

(21) Application No.1119/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: FABRIC TREATMENT

(31) Priority Document No	:C11D1/46,C11D17/00,C11D3/18 :11193972.4	1)UNILEVER PLC
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:16/12/2011 :EPO	Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2012/073042 :20/11/2012 :WO 2013/087367	(72)Name of Inventor: 1)BOARDMAN Christopher 2)EBBRELL Lesley 3)LEE Kenneth Stuart
<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:

Use of a particle having a particle size in the range of from 10 nm to  $1000 \mu m$  wherein the particle comprises a polymer shell and a core; wherein the core comprises a phase change active which is a material having a thermal phase transition temperature in the range  $24 \text{ to } 39^{\circ}\text{C}$  to provide in wear freshness on sweating selected from fresh smell perfume intensity and mixtures thereof to the wearer of treated garments wherein the particle is a component of a composition comprising a perfume.

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

(22) Date of filing of Application :06/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DOWNLINK CONTROL INFORMATION FOR LOW COST DEVICES

(51) International classification	:H04W72/04	(71)Name of Applicant :
(31) Priority Document No	:61/560337	1)QUALCOMM INCORPORATED
(32) Priority Date	:16/11/2011	Address of Applicant :ATTN: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2012/065161	(72)Name of Inventor:
Filing Date	:15/11/2012	1)CHEN Wanshi
(87) International Publication No	:WO 2013/074722	2)XU Hao
(61) Patent of Addition to Application	:NA	3)MONTOJO Juan
Number	:NA	4)GAAL Peter
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Certain aspects of the present disclosure relate to techniques for reducing the decoding complexity for low cost devices (e.g. low cost UEs). One technique may include simplifying the PDCCH format. This may include generating a compact DCI format for transmitting DCI to a low cost device. The compact DCI format may correspond to at least one standard DCI format used by a regular UE and may comprise a reduced number of bits when compared to the standard DCI format. Another technique may include reducing the number of blind decodes. This technique may include selecting a set of resources for transmitting DCI from a limited set of decoding candidates such that a receiving low cost device need only perform blind decodes for the limited set of decoding candidates.

No. of Pages: 38 No. of Claims: 56

(21) Application No.1125/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RESPIRATORY INFECTION ASSAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:1121210.7 :09/12/2011 :U.K.	(71)Name of Applicant:  1)THE SECRETARY OF STATE FOR HEALTH Address of Applicant: Richmond House 79 Whitehall London SW1A 2NS U.K. (72)Name of Inventor: 1)CURRAN Martin
- 1,00000	:NA :NA :NA	

#### (57) Abstract:

The present invention provides nucleic acid products and corresponding methods for screening a biological sample for the presence of a respiratory infection causing microorganism using real time PCR and a test card having detection probes in separate wells.

No. of Pages: 57 No. of Claims: 16

(21) Application No.805/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date: 20/02/2015

(54) Title of the invention: MEDICAL USE

(51) International classification: A61P35/00, A61P5/26, C07K5/097 (71) Name of Applicant:

(31) Priority Document No :1118831.5 (32) Priority Date :01/11/2011

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

(86) International Application :PCT/GB2012/052722

:01/11/2012 Filing Date

(87) International Publication :WO 2013/064830

(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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Address of Applicant :24 Greville Street London EC1N 8SS

(72)Name of Inventor:

1)ECCLESTON Mark 2)VAINIKKA Satu

3)MORRIS George Steven

The invention provides a molecule that inhibits or prevents an interaction between a Src family kinase and an androgen or estradiol receptor for use in preventing or treating a non cancerous condition in which an activity of AR and/or ER is a contributory factor in a subject or for use in preventing or treating a cancerous condition in which an activity of AR and/or ER is a contributory factor in a

subject who wishes to preserve fertility or for use in preventing or treating a gynaecological condition in which an activity of AR and/or ER is a contributory factor in a subject. Preferably the molecule comprises or consists of the structure: B[(Pro) X His Pro His Ala Arg lle Lys] R or B[lys ile arg ala his pro his x (pro)] R or a derivative or fragment thereof wherein B is a first chemical moiety j is 0 or 1 n is an integer from 1 10 X is any amino acid r is an integer from 0 to 2 m is an integer from 1 to 3 R is a second chemical

moiety p is 0 or 1 and [lys ile arg ala his pro his x (pro)] is the retro inverso peptide of [(Pro) X His Pro His Ala Arg Ile Lys].

No. of Pages: 42 No. of Claims: 45

(22) Date of filing of Application :04/06/2014 (43) Publication Date: 20/02/2015

### (54) Title of the invention: GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING THE **SAME**

(51) International classification: C22C38/00,C21D8/12,C22C38/60 (71) Name of Applicant:

:WO 2013/099272

portions of steel substrate cover up to 90% of the surface area of the marks.

(31) Priority Document No :2011289844 (32) Priority Date :28/12/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/008408

:27/12/2012 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

(57) Abstract:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72)Name of Inventor:

> 1)INOUE Hirotaka 2)TAKAJO Shigehiro 3)YAMAGUCHI Hiroi

4)OKABE Seiji

5)HANAZAWA Kazuhiro

Provided is a grain oriented electrical steel sheet that has been subjected to magnetic domain refinement via strain introduction and has a highly insulating highly corrosion resistant insulating coating. Exposure to a high energy beam is used to introduce linear strain into said electrical steel sheet said linear strain extending in a direction that intersects the direction in which the steel plate is rolled. Marks produced by the high energy beam cover 2% to 20% of the surface area of the region exposed to the high energy beam bumps having diameters greater than or equal to 1.5 µm cover up to 60% of the surface area of areas around the aforementioned marks and exposed

No. of Pages: 35 No. of Claims: 9

(22) Date of filing of Application :04/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : CELL CANCELLATION LIST AND AN ADAPTIVE RADIO LINK FAILURE TRIGGER FOR IMPROVED SPECTRUM SHARING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H04W24/10 :61/565619 :01/12/2011 :U.S.A. :PCT/US2012/067196 :30/11/2012 :WO 2013/082361 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant:5775 Morehouse Drive ATTN: International IP Administration San Diego California 92121 U.S.A. (72)Name of Inventor:  1)PRAKASH Rajat 2)GAAL Peter
Filing Date	:NA	

#### (57) Abstract:

A cell cancellation method for improved spectrum sharing is provided. The cell cancellation method includes detecting interference from a cell. The method also includes cancelling a signal from the cell when a physical cell identifier corresponding to the cell is indicated in a cancellation list. An adaptive radio link failure (RLF) trigger method for improved spectrum sharing is disclosed. The RLF trigger method includes detecting interference from a cell. The RLF trigger method also includes adjusting a radio link failure trigger according to a cell identity of an interferer associated with the cell.

No. of Pages: 41 No. of Claims: 21

(22) Date of filing of Application :06/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ROAD PRICING SYSTEM BILLING REQUEST DEVICE CONTROL METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2011288687 :28/12/2011 :Japan :PCT/JP2012/083971 :27/12/2012 :WO 2013/100091 :NA :NA	(71)Name of Applicant:  1)MITSUBISHI HEAVY INDUSTRIES LTD.  Address of Applicant: 16 5 Konan 2 chome Minato ku Tokyo 1088215 Japan (72)Name of Inventor:  1)KAMIMURA Yoichi 2)MABUCHI Yoshihiro
Filing Date	:NA :NA	

#### (57) Abstract:

This road pricing system is provided with: a GPS reception device; a roadside wireless device; a billing processing device that performs billing processing with respect to the use of a specific zone by a vehicle (V); and a billing request device that is provided to the vehicle (V) and when the vehicle (V) enters the specific zone requests of the billing processing device a billing processing with respect to the use of the specific zone. The billing request device has a billing request unit that if the current position measured by the GPS reception device corresponds to the specific zone requests of the billing processing device a billing processing with respect to the use of the specific zone if billing processing has not taken place with respect to the use of the specific zone and if zone data has been received from the roadside wireless device requests of the billing processing device the billing processing with respect to the use of the specific zone indicated by the zone data.

No. of Pages: 34 No. of Claims: 7

(21) Application No.1127/MUMNP/2014 A

(19) INDIA

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

(43) Publication Date: 20/02/2015

### (54) Title of the invention: PARTICULAR QUINONE DIRECT DYES DYE COMPOSITION COMPRISING AT LEAST ONE SUCH DYE IMPLEMENTATION PROCESS THEREFOR AND USE THEREOF

(51) International :C07C215/82,C07C225/28,A61K8/41

classification

(31) Priority Document No :1161575 (32) Priority Date :13/12/2011

(33) Name of priority

:France country

(86) International

:PCT/EP2012/075386 Application No

Filing Date

(87) International

Publication No (61) Patent of Addition to

**Application Number** :NA

Filing Date (62) Divisional to

**Application Number** Filing Date

:13/12/2012

:WO 2013/087770

:NA

:NA

:NA

(71)Name of Applicant:

1)LOREAL

Address of Applicant :14 Rue Royale F 75008 Paris France

(72)Name of Inventor: 1)SABELLE Stphane

#### (57) Abstract:

The present invention relates to quinone direct dyes of formula (I) below organic or mineral acid or base salts thereof tautomeric forms optical isomers or geometrical isomers thereof and/or solvates thereof: and also to the use thereof for dyeing keratin fibres in particular human keratin fibres such as the hair. The invention also relates to a composition for dyeing keratin fibres comprising such direct dyes in a suitable dyeing medium. Similarly a subject of the present invention is a process for dyeing keratin fibres using the said dye composition.

No. of Pages: 54 No. of Claims: 16

(22) Date of filing of Application :06/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMPROVED SERVER COMMUNICATION

(51) International classification	:H04L29/12	(71)Name of Applicant :
. ,		
(31) Priority Document No	:11193400.6	1)KONINKLIJKE KPN N.V.
(32) Priority Date	:14/12/2011	Address of Applicant :Maanplein 55 NL 2516 CK The Hague
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2012/075422	2)NEDERLANDSE ORGANISATIE VOOR TOEGEPAST
Filing Date	:13/12/2012	NATUURWETENSCHAPPELIJK ONDERZOEK TNO
(87) International Publication No	:WO 2013/087786	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)STOKKING Hans Maarten
Number	*	2)DEN HARTOG Frank
1 (41110-41	:NA	
Filing Date		3)HERRERA VAN DER NOOD Manuel
(62) Divisional to Application Number	:NA	4)HILLEN Bernardus
Filing Date	:NA	5)MULDER Harm
7		•

#### (57) Abstract:

The invention relates to a network node for facilitating traversal of NATs. The network node includes a NAT a server configured for exchanging one or more messages with a client to enable the client to determine NAT related information for the NAT and a routing unit configured for routing the one or more messages exchanged between the client and the server via the NAT. Implementing the server on such a network node eliminates the need of having the server deployed in the WAN thereby allowing faster determination of the NAT related information while the routing unit ensures that the messages traverse the NAT unit. In this manner a NAT information provider (NIP) may request NAT behaviour discovery and obtain NAT related information. After that the NIP is able to provide appropriate NAT related information to terminals in local networks thereby enabling the terminals to traverse the NATs that they are behind.

No. of Pages: 53 No. of Claims: 10

(22) Date of filing of Application :27/07/2011 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MANUAL DRIVEN POWER GENERATOR

(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 Silva Filing Date (83) Name of priority country Filing Date Since Sin	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	B62D6/00 :NA :NA :NA :NA :NA :NA :NA :NA	
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#### (57) Abstract:

In order to overcome the drawbacks of the conventional fuels it is the need of time to completely or partially generate electricity with natural resources in and around our surroundings where we' live. But complete replacement is not possible, but to enhance energy production we need to innovative which can partially help generate electricity this we thought as available manual energy that is manual labours which is cheap and can be used by implementing the project. We are using available manual energy to rotate the alternator connected to it and produce electricity. Production cost is very less (labour cost + maintenance cost which is Cheap in India) it is also safe to use. Another advantage is that it can be run by less modification at the available infrastructure / Facilities at site. Key Words: Manual Energy, Electricity, Alternator.

No. of Pages: 2 No. of Claims: 1

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SENSOR API FRAMEWORK FOR CLOUD BASED APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A.  (72)Name of Inventor:  1)SHAPMA Pivosh
. , 1	:PCT/US2012/061142 :19/10/2012 :WO 2013/070420 :NA :NA	•
Filing Date	:NA	

#### (57) Abstract:

An apparatus and method for a framework exposing an API (application programming interface) to web based server applications on the internet or in the cloud is presented. The API allows server applications to retrieve sensor data from a mobile device via a low power sensor core processor on a mobile device. This API eliminates effort and cost associated with developing and promoting a new mobile device client application. The API framework includes APIs that web based application may use to fetch sensor data from one or more particular sensors on the mobile device.

No. of Pages: 33 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :05/06/2014

(21) Application No.1112/MUMNP/2014 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: DATA DELIVERY OPTIMIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:31/12/2012 :WO 2013/102229 :NA :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor:  1)ROGERS Sean S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The various embodiments provide systems devices and methods which optimize the way in which data is delivered between devices a group of interconnected devices. In one embodiment a data set intended for multiple devices may be segmented and different portions of the data set may be provided to each device. The intended devices may then share their data set portions to recreate the complete data set on each device. In another embodiment multiple devices each storing a complete data set may need to upload the complete data set to a single device. The multiple devices may assign upload responsibility for segments of the complete data set among each other and the multiple devices may each upload their assigned segments to the single device. The single device may then combine the segments to recreate the complete data set.

No. of Pages: 111 No. of Claims: 111

(21) Application No.1116/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention: FABRIC TREATMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C11D1/46,C11D17/00,C11D3/18 :11193978.1 :16/12/2011	(71)Name of Applicant: 1)UNILEVER PLC Address of Applicant: Unilever House 100 Victoria
(33) Name of priority country	:EPO	Embankment London Greater London EC4Y 0DY U.K.
(86) International Application No Filing Date (87) International Publication	:PCT/EP2012/073043 :20/11/2012 :WO 2013/087368	<ul> <li>(72)Name of Inventor:</li> <li>1)BOARDMAN Christopher</li> <li>2)EBBRELL Lesley</li> <li>3)LEE Kenneth Stuart</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Use of a particle having a particle size in the range of from 10 nm to 1000  $\mu$ m preferably from 50 nm to 100  $\mu$ m more preferably 0.2 to 30  $\mu$ m wherein the particles comprise a polymer shell and a core; wherein the core comprises a phase change active which is a material having a thermal phase transition temperature in the range 24 to 39°C to provide an improvement in personal freshness longevity to the wearer of treated garments wherein the particle is a component of a composition comprising a perfume.

No. of Pages: 39 No. of Claims: 13

(21) Application No.1117/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/06/2014 (43) Publication Date: 20/02/2015

#### (54) Title of the invention: LAUNDRY COMPOSITIONS

(51) International classification :C11D1/83,C11D3/00,C11D3/22 (71)Name of Applicant: (31) Priority Document No :11192980.8 (32) Priority Date :12/12/2011

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2012/071590

Filing Date :31/10/2012 (87) International Publication No: WO 2013/087287

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

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

1)UNILEVER PLC

Address of Applicant : Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.

(72)Name of Inventor:

1)CROSSMAN Martin Charles

#### (57) Abstract:

The present invention relates to a laundry liquid detergent composition comprising (a) nonionic surfactant which comprises an alcohol ethoxylate (b) anionic surfactant (c) alkyl ether carboxylic acid or carboxylate salt thereof and (d) a cationic polysaccharide polymer.

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

(21) Application No.1118/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/06/2014 (43) Publication Date: 20/02/2015

# (54) Title of the invention: OIL IN WATER COSMETIC COMPOSITIONS

(51) International :A61K8/04,A61K8/365,A61Q15/00 classification

(31) Priority Document No :11193275.2 (32) Priority Date :13/12/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/074682 No

:06/12/2012 Filing Date

(87) International Publication :WO 2013/087516 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)UNILEVER PLC

Address of Applicant : Unilever House 100 Victoria

Embankment London EC4Y 0DY U.K.

(72)Name of Inventor:

1)GRAHAM Peter

2)KOWALSKI Adam Jan

3)MARRIOTT Robert Edward

4)WOOD nee TAYLOR Sally Elizabeth 5)WATERFIELD Philip Christopher

6)WHITEHEAD Emma Jayne

An oil in water emulsion cosmetic composition comprising solid particulates of 2 hydroxystearic acid having a particle size distribution such that 99% or more by weight have a particle size of less than 125 microns and a method of manufacture of such a composition.

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

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NOVEL PROCESS FOR PREPARING WHEATSHOOT POWDER AND PRODUCTS THEREOF

(51) International classification	:A23L2/04, A23L1/00	(71)Name of Applicant : 1)DR. PUNJABRAO DESHMUKH KRISHI VIDYAPEETH
(31) Priority Document No	:NA	Address of Applicant :KRISHI NAGAR, AKOLA - 444 104,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	2)ICAR-ALL INDIA COORDINATED RESEARCH
(86) International Application No	:NA	PROJECT ON POST HARVEST TECHNOLOGY, CIPHET,
Filing Date	:NA	LUDHIANA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ISHVAR LAKHICHAND PARDESHI
Filing Date	:NA	2)VITTHAL BHAURAO KALMEGH
(62) Divisional to Application Number	:NA	3)RAJESH NAVNATH KHOD
Filing Date	:NA	

#### (57) Abstract:

The present invention is related to a novel process of preparing powder from the tender wheatshoots and similar grasses and products prepared therefrom, wherein the tender wheatshoots are organically grown. The product derived from the novel process has natural sweetness, bright green colour, very fine and superfine texture and has high nutritional contents. The process of the invention is simple and cost effective process imparting high nutritional value to the derived product which is a good organic food supplement for human consumption. The product derived from the process has moisture content of 3 to 6 %, carbohydrates (35.20 %), proteins (31.25 %), fat (4.09 %), crude fibres (17.68 %) and good amount of different minerals, vitamins, essential amino acids and chlorophyll.

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

(22) Date of filing of Application :05/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BLADE FOR A WIND TURBINE HAVING A GUIDE VANE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:F03D1/06 :2007875 :25/11/2011 :Netherlands :PCT/EP2012/073651 :26/11/2012 :WO 2013/076313	(71)Name of Applicant:  1)SE BLADES TECHNOLOGY B.V.  Address of Applicant: Jan Tinbergenstraat 290 NL 7559 ST  Hengelo, Netherlands (72)Name of Inventor:  1)PHILIPSEN Iwan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A blade (1) for a wind turbine comprising a root segment (12) for connection to a hub and a profiled segment (10) extending in a longitudinal direction from the root segment towards a tip of the blade. It is an object of the invention to provide a blade with a root segment contributing to the generation of lift. The blade comprises at least one guide vane (20) with a vane leading edge (22) and vane trailing edge (23) on the suction side. One could say that the vane leading edge (22) is oriented towards the leading edge of the blade and the vane trailing edge (23) looks in the direction of the trailing edge of the blade. This guide vane is arranged in such that the guide vane is substantially placed over the blade surface and extends in longitudinal direction at least partly along the surface of the root segment.

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

(21) Application No.1850/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: LASER PROCESS ALIGNMENT MEASURING METHOD

(51) International classification	:G01B 11/275,	(71)Name of Applicant: 1)TECNOMAR OY
(31) Priority Document No	G01B 5/24 :20125633	Address of Applicant :VERKKOKUJA 7 B, FI-02230 ESPOO, FINLAND
(32) Priority Date		(72)Name of Inventor:
(33) Name of priority country	:France	1)MARTTILA TOM
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A laser process alignment measuring method applicable to a reel-to-reel manufacturing process including a laser process stage, wherein before at least one laser process stage, on the base or carrier material of the web (2) are made marks, patterns or surfaces (4, 9) with printing ink, on which the laser beam used can make a mark (7,10), for example, by removing or changing the printing ink, whereby at the laser process stage, another mark is plotted with the laser beam on the said mark printed with printing ink, and the position of the mark printed with printing ink (4,9) and the mark plotted with the laser (7,10) are read optically to measure the alignment of the printing ink stage and the laser process stage.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: INTERNET OF THINGS (IOT) APPLICATION DEVELOPMENT

#### (57) Abstract:

An application development system (102) for development of Internet of Things (IoT) application includes a cataloging module (120) to obtain an input from an application developer. The input comprises data related to the IoT application to be developed. The cataloging module (120) further retrieves a plurality of reusable artefacts from a knowledge database (108) based on the input. A recommendation module (122) in the application development system (102) recommends, to the application developer, artefacts from amongst the plurality of reusable artefacts, based at least on one of a feedback associated with each of the plurality of reusable artefacts, an expert analysis, and a combination of the expert analysis and the feedback. An association module (124) in the application development system (102) associates artefacts selected by the application developer with each other for development of the IoT application.

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

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SUB-AMBIENT TEMPERATURE COMMINUTING DEVICE FOR DRIED TENDER WHEATSHOOT POWDER

(51) International classification	:A23L1/29, A23F 3/16	(71)Name of Applicant: 1)DR. PUNJABRAO DESHMUKH KRISHI VIDYAPEETH
(31) Priority Document No	:NA	Address of Applicant :KRISHI NAGAR, AKOLA - 444 104,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	2)ICAR-ALL INDIA COORDINATED RESEARCH
(86) International Application No	:NA	PROJECT ON POST HARVEST TECHNOLOGY, CIPHET,
Filing Date	:NA	LUDHIANA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ISHVAR LAKHICHAND PARDESHI
Filing Date	:NA	2)VITTHAL BHAURAO KALMEGH
(62) Divisional to Application Number	:NA	3)RAJESH NAVNATH KHOD
Filing Date	:NA	

#### (57) Abstract:

The sub-ambient temperature comminuting device comprising of feeding hopper, grinding zone, powder collection zone, air recirculation conduits and cooling means, keeps the environment dust free and produces very fine textured quality tender wheatshoots powder at affordable cost, having less moisture content, very bright green colour, naturally sweet taste, containing very high chlorophyll, good amount of fibres and many other nutritional components and that can be a preferable alternative to the freeze dried wheatgrass powder.

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

(21) Application No.1863/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SINGLE CYLINDER OPERATED ORANGE GRAB

(51) International classification	:A23L1/212, A61P11/08	(71)Name of Applicant: 1)SOOSAN HEAVY INDUSTRIES CO., LTD.
(31) Priority Document No	:10-2013- 0051191	Address of Applicant :#109-2, Songsan-ri, Yanggam-myun, Hwaseong-si Gyeonggi-do 445-933, Republic of Korea
(32) Priority Date	:07/05/2013	(72)Name of Inventor:
(33) Name of priority country	:Republic of Korea	1)BAE, Jin Man
(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:

Disclosed is a single cylinder operated orange grab in that a plurality of the grab arms can be operated by one cylinder unit, which is formed at the lower portion of the mounting bracket so that the operating time thereof is reduced, the structure thereof is simple, the cost of the product is lowered, and the maintenance is easy.

No. of Pages: 19 No. of Claims: 3

(21) Application No.1100/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/06/2014

(43) Publication Date: 20/02/2015

# (54) Title of the invention : TRI AROMATIC AZOMETHINE DIRECT DYES COMPRISING AT LEAST ONE UNIT DERIVED FROM RESORCINOL DYEING COMPOSITION METHOD AND USE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:C09B55/00,A61K8/34,A61K8/35 :1161580 :13/12/2011 :France :PCT/EP2012/075388 :13/12/2012 :WO 2013/087772	(71)Name of Applicant: 1)LOREAL Address of Applicant: 14 Rue Royale F 75008 Paris France (72)Name of Inventor: 1)SABELLE Stphane 2)LEDUC Madeleine
(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 azomethine type direct dyes with a tri aromatic unit having the following formula (I): and their use for colouring keratin fibres particularly human keratin fibres such as the hair. The invention also relates to a composition for dyeing keratin fibres comprising in a suitable medium for dyeing such direct dyes. Another subject of the present invention is a method for dyeing keratin fibres using said dyeing composition. Finally the present invention also relates to precursors for these direct dyes.

No. of Pages: 67 No. of Claims: 16

(22) Date of filing of Application :04/06/2014 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DEVICE TO IMPROVE IRON LOSS PROPERTIES OF GRAIN ORIENTED ELECTRICAL STEEL SHEET

(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	:C21D8/12,H01F1/16,B23K15/00 :2011286374 :27/12/2011 :Japan :PCT/JP2012/008267 :25/12/2012 :WO 2013/099219 :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor:  1)OKABE Seiji 2)TAKAJO Shigehiro 3)KITANI Yasushi
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention proposes a device constitution that can reliably carry out refinement of magnetic domains by high energy beam irradiation with a laser electron beam or the like even when the rate of movement of a grain oriented electrical steel sheet changes. This device to improve iron loss properties scans a high energy beam across the feed path of a grain oriented electrical steel sheet for which final annealing has been completed and irradiates the steel sheet surface with the high energy beam as the sheet moves refining the magnetic domains. In this device an irradiation mechanism for scanning the high energy beam in a direction perpendicular to the feed direction of the steel sheet is provided with a function for orienting the scanning direction such that the perpendicular direction is inclined to the feed direction at an angle based on the rate of movement of the steel sheet along the feed path.

No. of Pages: 25 No. of Claims: 6

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SPLIT TYPE HYDRAULIC VALVE BLOCK FOR AUTOMATED MANUAL TRANSMISSION (AMT)

<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>	:F16H61/16, F16H61/00 :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED  Address of Applicant: MAHINDRA TOWERS, WORLI,  MUMBAI - 400 018, MAHARASHTRA, INDIA.  (72)Name of Inventor:
(86) International Application No	:NA	1)BARATHI RAJA
Filing Date	:NA	2)BONDA VEERABABU
(87) International Publication No	: NA	3)VENUKUMAR RAJENDRAN
(61) Patent of Addition to Application Number	:NA	4)MUTHUSAMY SARAVANAN
Filing Date	:NA	5)ADIGA GANESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hydraulic valve block for Automated Manual Transmission (AMT) of a vehicle includes an actuator pack unit and a power pack. The actuator pack unit is hydraulically actuated to facilitate gear selection, gear shifting and clutch actuation. The actuator pack unit is specifically selected based on North-South (NS) as well as East West (EW) configuration of the vehicle. The power pack unit is separate from the actuator pack unit. The power pack unit removably co-operates with and is functionally coupled to the actuator pack unit and includes a plurality of fluid flow paths configured thereon to supply pressurized fluid to the actuator pack unit. The power pack unit further includes a pump, a motor, an accumulator, a line pressure sensor, a temperature sensor, a pressure relief valve and a filter. The power pack unit is selected irrespective of the North-South (NS) and East West (EW) configuration of the vehicle.

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

(19) INDIA

(43) Publication Date: 20/02/2015

(21) Application No.1847/MUM/2013 A

(22) Date of filing of Application :24/05/2013

# (54) Title of the invention: CENTRE STAND FOR TWO WHEELERS

(51) International classification	:B62H1/04, B62H1/06	(71)Name of Applicant:  1)BHARUCHA PERVEZ NARIMAN  1
(31) Priority Document No	:NA	Address of Applicant :703/A, ASTER, EVERSHINE PARK
(32) Priority Date	:NA	PRATHMESH COMPLEX VEERA DESAI ROAD, ANDHERI
(33) Name of priority country	:NA	(W) MUMBAI MAHARASHTRA India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BHARUCHA PERVEZ NARIMAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:1404/MUM/2008	
Filed on	:04/07/2008	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A center stand for a two wheeler vehicle includes a support bracket secured to the chassis and supporting an actuator mechanism, a base stand, a resting mechanism, a load bearing mechanism and a spring mechanism. The actuator mechanism includes a power source actuated by a switch and an actuator rod coupled to the power source and that moves from retracted to extended position to cause center stand to move from horizontal to vertical position. The resting mechanism is coupled to base stand and includes a resting plate with bushings and a pair of rods that slide within the bushings as the base stand is lowered by actuator rod to stably lift the vehicle. The load bearing mechanism is automatically actuated to take position simultaneously while actuator rod descends and bear weight of vehicle as actuator mechanism gets switched off to cause actuator rod to be free and vehicle to descend.

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

(19) INDIA

(22) Date of filing of Application :11/02/2013 (43) P

(21) Application No.1092/CHENP/2013 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: MEASURING APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/06/2010 :WO/2010/130896 :NA :NA	(71)Name of Applicant:  1)LEVEX CORPORATION Address of Applicant:83, SHICHIJOGOSHONOUCHIMINAMIMACHI, SHIMOGYO- KU, KYOTO-SHI, KYOTO 6008864 Japan (72)Name of Inventor: 1)ONISHI, KENICHI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for admixing the LPS of a gram-negative bacteria, according to which: (i) LPS or LPS liposomes (LPS formulated in liposomes) is/are mixed with the lipidated sub-unit B of the receptor of human transferrine (lipidated TbpB) of Neisseria meningitidis or a lipid fragment thereof; or (ii) LPS and the lipidated TbpB of N. meningitidis or a lipid fragment thereof are formulated together in liposomes; or (iii) LPS is conjugated with the TbpB of N. meningitidis or a lipid fragment thereof; in order to obtain a preparation that does not contain any OMVs and can induce, following administration to a mammal, an improved anti-LPS immune response compared to the anti-LPS immune response observed following administration of the corresponding preparation in which the lipidated TbpB of N. meningitidis or a lipid fragment thereof is omitted. The invention also relates to the vaccine compositions obtained by said method. The LPS can be, for example, the LOS of nonenteric gram-negative bacteria such as N. meningitidis.

No. of Pages: 52 No. of Claims: 4

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR RECORDING VIEWER RESPONSES IN REAL 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</li></ul>	:NA :NA :NA	(71)Name of Applicant:  1)SRE RANGA PUSHPA CREATIONS  Address of Applicant :NO.403, 1ST MAIN ROAD, 3RD  PHASE, 5TH CROSS, MANJUNATH NAGAR, BANGALORE  Karnataka India
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA	(72)Name of Inventor : 1)NAIDU Bhaskar

#### (57) Abstract:

The present invention provides a method for conducting an opinion poll. The method includes broadcasting a campaign. The campaign comprises one or more options for voting. In addition, the method includes receiving a response from the one or more users. The response is received as a dropped call. In addition, the method includes storing the received response. In addition, the method includes acknowledging the one or more users, wherein the acknowledgement is for the response received.

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

(21) Application No.3630/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR STEGANOGRAPHIC EMBEDDING OF METADATA IN A CAPTURED IMAGE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA :NA	(71)Name of Applicant:  1)Samsung India Software Operations Pvt. Ltd Address of Applicant: Bagmane Lakeview, Block B, No. 66/1, Bagmane Tech Park, CV Raman Nagar, Byrasandra, Bangalore
(86) International Application No Filing Date	:NA :NA	Karnataka India (72)Name of Inventor:
(87) International Publication No	: NA	1)Phani Sankar Madineni
(61) Patent of Addition to Application Number	:NA	2)Sreevatsa Dwaraka Bhimidipati
Filing Date	:NA	-
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system to embed metadata in a captured image is disclosed. The metadata is obtained using plurality of sensors in a camera module. The method allows the user to capture the image and the captured image is divided into plurality of blocks. Further the blocks are classified into two sets such as focused region and non-focused region based on whether plurality of blocks belongs to the focused region or not. The set of blocks which belongs to the non-focused region are considered as the candidate blocks for embedding metadata and the set of blocks which belong to the focused region are not considered as the candidate blocks. The obtained metadata is embedded only in the candidate blocks

No. of Pages: 25 No. of Claims: 8

(21) Application No.5244/CHE/2012 A

(19) INDIA

(22) Date of filing of Application: 17/12/2012 (43) Publication Date: 20/02/2015

# (54) Title of the invention : A WIRE-LESS SYSTEM TO RELIABLY CONTROL A LARGE NETWORK OF STREET LIGHTING SYSTEMS FROM A CENTRAL LOCATION THROUGH FM BROADCAST

(51) International classification	:h04m	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VNR VIGNANA JYOTHI INSTITUTE OF
(32) Priority Date	:NA	ENGINEERING AND TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :BACHUPALLY, NIZAMPET (S.O),
(86) International Application No	:NA	HYDERABAD - 500 090 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. C. DHANUNJAYA NAIDU
(61) Patent of Addition to Application Number	:NA	2)DR. D. NAGESWARA RAO
Filing Date	:NA	3)DR. N. BALAJI
(62) Divisional to Application Number	:NA	4)MR. V. NAVEENKUMAR
Filing Date	:NA	

#### (57) Abstract:

A wire-less system to reliably control a large network of street lighting systems from a central location through FM broadcast, comprising a transmitter module located at a Central Power Station controlling distribution of electrical power to consumers, and a receiver module installed on the street lighting system, the receiver module is operating under power switching technologies based on the signals transmitted wirelessly by the transmitter module, wherein a dual tone multi-frequency (DTMF) encoder echo-coupled to a frequency modulation (FM) transmitter causing the transmitter to transmit encoded DTMF signals, wherein the receiver having a DTMF decoder, a micro controller, a LCD device, a relay driver including a relay unit, the receiver receiving the encoded signals which is decoded by the decoder, processed by the microcontroller for display in the display device, and wherein the relay driver amplifies any weak output from the microcontroller, the microcontroller incorporating a set-reset logic to the relay unit for corresponding ON/OFF the street lighting system.

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

(22) Date of filing of Application :26/07/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SELECTIVE HARMONIC DETECTION USING CASCADED VIRTUAL SYNCHRONOUS REFERENCE FRAME

(51) Intermedianal alagaiff action	.C01D	(71)Name of Applicants
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRE FOR DEVELOPMENT OF ADVANCED
(32) Priority Date	:NA	COMPIUTING
(33) Name of priority country	:NA	Address of Applicant :VELLAYAMBALAM
(86) International Application No	:NA	THIRUVANANTHAPURAM - 33 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUBHASH JOSHI THARAYAPARAMBIL GEORGE
(61) Patent of Addition to Application Number	:NA	2)ABY JOSEPH
Filing Date	:NA	3)UNNIKRISHNAN AAMANTHRA KELOTH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of selective harmonic detection, in time domain, comprising the transformation of all harmonics into dc quantities with the help of two unit vectors, one rotating at fundamental frequency and other at six times fundamental frequency, the said method employing a test setup consisting of a three-phase diode bridge rectifier of 150A rating fed from three-phase grid (415V line to line rms, 50Hz), the DC side of the rectifier being loaded with resistive load and the grid side current of the rectifier containing harmonics; a digital controller hardware built around digital signal processor employed for sensing the load current of the three-phase diode bridge rectifier, the sensed currents being used for extracting the individual harmonics present in the load current by the above said algorithm which is essentially a time domain method, the extracted harmonic current being sent to the digital to analog converter (DAC) present in the digital controller, the output of DAC being observed by using oscilloscopes.

No. of Pages: 9 No. of Claims: 2

(21) Application No.3639/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : A METHOD AND SYSTEM FOR AUTOMATED MONITORING AND CONTROLLING OF WORKFLOW OPERATIONS IN A PROCESS AREA OF AN INDUSTRIAL PLANT

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)SCHNEIDER ELECTRIC INDUSTRIES SAS
(32) Priority Date	:NA	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country		RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VEERENDRA VASAMSETTY
(87) 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 system for automated monitoring and controlling of workflow operations in a process area of an industrial plant The present invention relates to a method and system for automated monitoring and controlling of workflow operations in a process area of an industrial plant. The method comprises creating and registering, at a workflow server, product workflow processes containing operation elements with its location data. Operation elements are selected with its location data in the server. A target portable device relevant to the selected operation elements is identified using the location data at the server. The selected operation elements are transmitted along with the location data from the server to the target portable device. A target field device is detected by sensing unique identification data assigned to each field device. The target field device is operated in accordance with operation scripts in the operation elements. Feedback on operational status of the target field device is notified to the server. Such method and system facilitates on-time tracking and controlling of workflow operations and errors in an efficient manner.

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

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: ENGINE START CONTROL DEVICE FOR HYBRID VEHICLE

(71)Name of Applicant: (51) International :B60W10/08,B60K6/445,B60W10/06 classification 1) SUZUKI MOTOR CORPORATION (31) Priority Document No :NA Address of Applicant :300 Takatsuka cho Minami ku (32) Priority Date Hamamatsu shi Shizuoka 4328611 Japan :NA (33) Name of priority (72)Name of Inventor: :NA 1)TAGAWA Masaaki country (86) International 2)ITO Yoshiki :PCT/JP2011/054323 Application No 3)SAITO Masakazu :25/02/2011 Filing Date 4)OHKUMA Hitoshi (87) International 5)HOSOE Yukihiro :WO 2012/114509 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 purpose of the present invention is to start an engine while outputting the drive force demanded by a driver. This engine start control device for a hybrid vehicle is characterized by being provided with: a means for calculating the target engine rotational speed when starting; a means for calculating the target engine torque when starting; a target engine power calculating means for calculating the target engine power from the target engine rotational speed and the target engine torque; a means for detecting the accelerator operation amount; a means for detecting the vehicle speed; a target drive power calculating means for calculating the target drive power on the basis of the accelerator operation amount and the vehicle speed; a target power calculating means for designating the difference between the target drive power and the target engine power as the target power; and a motor torque command value computing means for calculating the command torque value of a plurality of motor generators by using a torque balance equation containing the target engine torque and a power balance equation containing the target power.

No. of Pages: 60 No. of Claims: 4

(21) Application No.3607/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR ACCESSING SOCIAL NETWORKS IN A SINGLEDISPLAY MULTI-USER SCENARIO

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS COMPANY Address of Applicant:416 MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 442-742
(86) International Application No	:NA	Republic of Korea
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RITIKA PAREEK
(61) Patent of Addition to Application Number	:NA	2)DEEPAK PUROHIT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of accessing a social networking website includes identifying a plurality of users registered to a plurality of electronic devices, wherein the plurality of users is connected via the social networking website. Further, the method includes defining one or more relationship levels between each of the plurality of electronic devices. The relationship levels are based on number of connected users between one or more electronic devices. Furthermore, the method includes establishing a communication via the social networking website by a first user of a first electronic device with a second user of a second electronic device. The privacy of communication between the first user and the second user is based on a relationship level between the first electronic device and the second electronic device.

No. of Pages: 53 No. of Claims: 18

(21) Application No.3608/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AN INSTANT BUILD AND DISPLAY SYSTEM AND METHOD OF ASSEMBLING THE SAME

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	:NA :NA :NA	(71)Name of Applicant:  1)RAJESH S PILLAI  Address of Applicant :SREEMANGALAM,  KIZHAKKEKKARA, KOTTARAKKARA P.O, KOLLAM
(86) International Application No Filing Date	:NA :NA	691506, KERALA STATE Kerala India 2)MUJEEB NOORUDEEN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAJESH S PILLAI
Filing Date	:NA	2)MUJEEB NOORUDEEN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to an economical self assembling "instant build and display system<sup>TM</sup> (1) useful for product display in supermarkets, product exhibitions, retail advertisement campaigns of any consumer product at short notice or even for regular displays. The system has a hollow structural column (11) made of side panel-1 and side panel-2 inside of which is assembled with inner lock (12) made of male lock part and female lock part. Positioning of said inner locks inside the hollow structural column give the column the desired shape and the shape of column can be oval, triangular, square, or rectangular. If pressed from both sides perpendicular to the male lock part inside the "lock<sup>TM</sup>, the structure collapses. This makes the display column an instant build display system and the display column can be opened or closed (made erect or foldable) with the simple movement of hands instantly.

No. of Pages: 34 No. of Claims: 27

(21) Application No.393/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :17/01/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: PROCESS FOR CINACALCET HYDROCHLORIDE

(51) International classification	:C07C211/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :Plot No . B 80 & 81 A . P . I . E .
(33) Name of priority country	:NA	Balanagar Hyderabad 500 018 Andhrapradesh Andhra India
(86) International Application No		(72)Name of Inventor:
Filing Date	:16/07/2010	1)PARTHASARADHI REDDY Bandi
rining Date	:WO 2012/007954	
(87) International Publication No		2)RATHNAKAR REDDY Kura
(61) Decree CA 1122 - A 12 - A	A1	3)MURALIDHARA REDDY Dasari
(61) Patent of Addition to Application	:NA	4)RAJI REDDY Rapolu
Number	:NA	5)MUKUNDA REDDY Jambula
Filing Date	.11/1	6)VAMSI KRISHNA Bandi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

No. of Pages: 22 No. of Claims: 35

<sup>3 [3 (</sup>Trifluoromethyl)phenyl]propionaldehyde is a key intermediate for the preparation of cinacalcet hydrochloride. The present invention provides a novel process for the preparation of 3 [3 (trifluoromethyl)phenyl]propionaldehyde. The present invention also provides an improved process for preparation of cinacalcet hydrochloride in high yields. The present invention further provides a process for purification of cinacalcet hydrochloride.

(19) INDIA

(21) Application No.6684/CHENP/2013 A

(22) Date of filing of Application :20/08/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: IMPACT INDICATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G01P15/00 :61/451143 :10/03/2011 :U.S.A. :PCT/US2012/028423 :09/03/2012 :WO 2012/122449 :NA :NA :NA	(71)Name of Applicant:  1)SHOCKWATCH INC.  Address of Applicant: 5501 LBJ Freeway Suite 350 Dallas TX 75240 U.S.A. (72)Name of Inventor:  1)BRANCH Clinton A.
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### (57) Abstract:

According to one aspect of the present disclosure a device and technique for impact detection and indication is disclosed. The device includes a housing; a mass member located within the housing the housing configured to enable movement of the mass member from a first position to a second position within the housing in response to receipt by the housing of an acceleration event; and first and second spring members disposed within the housing and configured to bias the mass member to the first position wherein in response to receipt by the housing of the acceleration event the mass member is configured to overcome the biasing force of the first spring member and move from the first position to the second position and wherein each of the first and second spring members extends across a medial portion of the mass member.

No. of Pages: 32 No. of Claims: 20

(21) Application No.3636/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF CRYSTALLINE AZILSARTAN KAMEDOXOMIL

(51) International classification	:C07D413/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 2, MAITRIVIHAR,
(33) Name of priority country	:NA	AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AMBATI V RAGHAVA REDDY
(87) International Publication No	: NA	2)GARAGA SRINIVAS
(61) Patent of Addition to Application Number	:NA	3)CHANDIRAN THAKASHINAMOORTHY
Filing Date	:NA	4)MEENAKSHISUNDERAM SIVAKUMARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a process for the preparation of crystalline Azilsartan kamedoxomil (la), which comprises, treating Azilsartan medoxomil (I) with potassium source in presence of a solvent; isolating the crystalline Azilsartan kamedoxomil (la) from the reaction mixture; optionally purifying the crystalline Azilsartan kamedoxomil (la).

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

(21) Application No.3637/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ELECTRICAL CONTACT 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>	:H01R :NA :NA :NA :NA :NA :NA :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)KARKADA, NAGAVENI 2)RAMACHANDRAN, GOPI CHANDRAN 3)ASOKAN, THANGAVELU
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## (57) Abstract:

A system including a contact tip that includes an arcing surface, a base surface, and a graded structure is presented. The graded structure includes a first region comprising a first surface proximate to the arcing surface, a second region comprising a second surface proximate to the base surface, and an intermediate region disposed between the first region and the second region. A concentration of silver in the graded structure decreases from the first surface to the second surface. A method of forming a contact tip includes preparing starting materials for a first region, an intermediate region, and a second region of the contact tip. The starting materials of the first, intermediate, and second regions are sequentially added to a container to form a graded blend of starting materials. The graded blend of starting materials are compacted and heat-treated to form a contact tip having a graded structure.

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

(21) Application No.4118/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: DEPOSIT MODULE

(51) International classification (31) Priority Document No	:13/663,947	(71)Name of Applicant: 1)NCR CORPORATION
(32) Priority Date (33) Name of priority country	:30/10/2012 :U.S.A.	Address of Applicant :3097 SATELLITE BOULEVARD, 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)FREDRIK L.N. KALLIN
(61) Patent of Addition to Application Number	:NA	2)ANTHONY BOON
Filing Date (62) Divisional to Application Number	:NA :NA	3)FRANK B. DUNN
Filing Date	:NA :NA	

## (57) Abstract:

A deposit module (150) for an SST (100) and a method of use are disclosed. The deposit module (150) comprises: a first region (220) in which a media item (400) is transported in a first orientation; a further region (225) in which the media item (400) is transported in a further orientation; and a re-orientation device (210) that (i) transports the media item (400) between the first (220) and further (225) regions and (ii) rotates the media item (400) between the first and further orientations.

No. of Pages: 35 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :23/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: BRAKE CALIPER AND SADDLE-RIDE TYPE VEHICLE WITH THE SAME

(51) International alogaification	·E14D45/00	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
(31) Thomas Document No	218544	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:28/09/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAGAI, RYUICHI
Filing Date	:NA	2)NAKAIE, HIROKATSU
(87) International Publication No	: NA	3)ITO, SHINJI
(61) Patent of Addition to Application Number	:NA	4)TOYODA, HIDETOSHI
Filing Date	:NA	5)KAWASAKI, SHINJI
(62) Divisional to Application Number	:NA	6)MATSUI, YASUMASA
Filing Date	:NA	

### (57) Abstract:

To provide a brake caliper that can reduce a dimension of a piston in an axial direction as much as possible and allows easy-disposition of a vehicle body component at its lateral side. [Solution] The present invention includes a caliper body 10, a first piston 12, a second piston 13, and a brake pad. The caliper body 10 is secured to a vehicle body side. The first piston 12 is housed in the caliper body 10. The first piston 12 is actuated according to a hydraulic pressure. The second piston 13 is housed in the caliper body 10. The second piston 13 is mechanically actuated by a mechanical brake mechanism 25. The brake pad applies a braking force to a brake disc 7 by sandwiching the brake disc 7 according to an actuation of the first piston 12 or the second piston 13. The first piston 12 and the second piston 13 are disposed such that the respective axial directions become parallel and separate in a direction perpendicular to the respective axial directions.

No. of Pages: 38 No. of Claims: 7

(21) Application No.6817/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: INKJET INK INKJET RECORDING METHOD AND INKJET RECORDING DEVICE

(51) International classification	:C09D11/00,B41J2/01,B41M5/00	(71)Name of Applicant:
(31) Priority Document No	:2011055543	1)Ricoh Company Ltd.
(32) Priority Date	:14/03/2011	Address of Applicant :3 6 Nakamagome 1 chome Ohta ku
(33) Name of priority country	:Japan	Tokyo 1438555 Japan
(86) International Application	:PCT/JP2012/056791	(72)Name of Inventor:
No	:09/03/2012	1)GOTO Hiroshi
Filing Date	.07/03/2012	2)GOTOH Akihiko
(87) International Publication	:WO/2012/124790	3)NAGAI Kiyofumi
No	6,2012,12.1,70	4)YOKOHAMA Yuuki
(61) Patent of Addition to	:NA	5)FUJII Hidetoshi
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

# (57) Abstract:

An inkjet ink which contains water an organic solvent a surfactant and a colorant wherein the organic solvent contains at least one polyhydric alcohol having an equilibrium moisture content of 30% by mass or higher at a temperature of 23°C and humidity of 80%RH at least an amide compound represented by the general formula (I) and at least one selected from the group consisting of compounds represented by the following general formulae (II) to (IV):

No. of Pages: 242 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application: 14/08/2013

(21) Application No.3623/CHE/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: COATING COMPOSITION

(51) International classification :C07	D[(71)Name of Applicant:
(31) Priority Document No :NA	1)Evonik Industries AG
(32) Priority Date :NA	Address of Applicant :Rellinghauser Strasse 1-11, 45128,
(33) Name of priority country :NA	Essen Germany
(86) International Application No :NA	(72)Name of Inventor:
Filing Date :NA	1)Shraddha Ashok Bodinge
(87) International Publication No : NA	2)Ashish Sharadchandra Guha
(61) Patent of Addition to Application Number :NA	3)Vinay Jain
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

## (57) Abstract:

The invention refers to a coating composition which, calculated on dry weight, is comprising at least 20 % by weight polyvinyl alcohol and 0.1 to 20 % by weight, calculated on the weight of the polyvinyl alcohol, of a water-insoluble (meth) acrylate copolymer comprising quaternary ammonium groups, wherein the viscosity of an aqueous dispersion comprising that coating composition with 25 %(w/w0 solid content at 22°C is 200mPa<sup>TM</sup>s or less.

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

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR EUICC CAPABILITY EXCHANGE

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAMSUNG R&D INSTITUTE INDIA BANGALORE
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :# 2870, ORION Building, Bagmane
(86) International Application No		Constellation Business Park, Outer Ring Road, Doddanakundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore -560037, Karnataka, India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAJADURAI, Rajavelsamy
Filing Date	:NA	2)LEE, Duckey
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3624/CHE/2013 A

# (57) Abstract:

The present invention describes method and system for providing capability information of an embedded universal integrated circuit card (eUICC) to at least one mobile network operator (MNO), Profile Management Unit (SM-SR) and Profile Provisioning Unit (SM-DP). The method comprises receiving and storing capability information of the eUICC at a profile management unit (SM-SR), providing the capability information and ID information of the eUICC by the profile management unit (SM-SR) to the mobile network operator (MNO) based on a request received, and generating a profile of the eUICC based on the received capability information by the mobile network operator (MNO). The method also includes splitting the eUICC capabilities information in to different categories such as platform capabilities and profile capabilities and storing the split capabilities information in one or more entities and generating a profile for the eUICC based on the received capability information of the eUICC from one or more entities.

No. of Pages: 34 No. of Claims: 31

(12) TATENT ATTEICATION TOBLICATION

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A GRAPHENE BASED THERMOELECTRIC GENERATOR

(51) 7	TT011	(71)
(51) International classification	:H011	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF SCIENCE
(32) Priority Date	:NA	Address of Applicant :Bangalore 560 012, Karnataka, India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Santanu Mahapatra
Filing Date	:NA	2)Rekha Verma
(87) International Publication No	: NA	3)Sitangshu Bhattacharya
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3625/CHE/2013 A

## (57) Abstract:

(19) INDIA

The present disclosure provides a thermoelectric generator comprising at least one n-type thermoelectric material and at least one or more p-type thermoelectric material, having first and second ends with a temperature gradient there across. Each of the n-type and the p-type thermoelectric material is a graphene with an isotope C13. A first end of a first n-type thermoelectric material and a first end of a first p-type thermoelectric material forms a series connection. A second end of the first p-type thermoelectric material and a second end of a second n-type thermoelectric material forms a second series connection. Each pair of other at least one or more of n-type and p-type thermoelectric materials are placed in series with one another. An electric load is connected across the at least one p-type and the at least one n-type thermoelectric materials in series to provide an electrical energy based on the temperature gradient.

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

(21) Application No.7039/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :02/09/2013 (43) Publication Date: 20/02/2015

### (54) Title of the invention: LAYER BLENDING WITH ALPHA VALUES OF EDGES FOR IMAGE TRANSLATION

(51) International :G06T13/80,G06T15/50,G06T15/00 classification

(31) Priority Document No :13/026559 (32) Priority Date :14/02/2011

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

(86) International Application :PCT/US2012/021745

:18/01/2012 Filing Date

(87) International Publication :WO 2012/112255

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)APPLE INC.

Address of Applicant: 1 Infinite Loop Cupertino California

95014 U.S.A.

(72)Name of Inventor: 1)BRATT Joseph P. 2)HOLLAND Peter F.

3)AVKAROGULLARI Gokhan

### (57) Abstract:

A video display pipe used for processing pixels of video and/or image frames may include edge Alpha registers for storing edge Alpha values corresponding to the edges of an image to be translated across a display screen. The edge Alpha values may be specified based on the fractional pixel value by which the image is to be moved in the current frame. The video pipe may copy the column and row of pixels that are in the direction of travel and may apply the edge Alpha values to the copied column and row. The edge Alpha values may control blending of the additional column and row of the translated image with the adjacent pixels in the original frame providing the effect of the partial pixel movement simulating a sub pixel rate of movement.

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

(21) Application No.4304/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DEVICE FOR COLLECTING BLOOD SAMPLE FROM FISH

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PRIST UNIVERSITY, DEPARTMENT OF
(32) Priority Date	:NA	BIOTECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :DEPARTMENT OF
(86) International Application No	:NA	BIOTECHNOLOGY, VALLAM, THANJAVUR - 613 403 Tamil
Filing Date	:NA	Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. B. KALEESWARAN
Filing Date	:NA	2)DR. S. ILAVENIL
(62) Divisional to Application Number	:NA	3)DR. S. RAVIKUMAR
Filing Date	:NA	

## (57) Abstract:

The present invention discloses a device for collecting blood samples from fish. The device comprises a base, a fish holding mechanism, a fish fixing mechanism, a movable lever and a hand holder. The fish holding mechanism is present at a corner of the base. The fish fixing mechanism is present at one end of the fish holding mechanism. The movable lever is fixed with the fish fixing mechanism. The hand holder is present beside the fish fixing mechanism. An operculum of the fish is lifted by using forceps and the movable lever is placed under the opened operculum. The blood sample is collected from the opened operculum without providing much stress to the fish.

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

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4553/CHENP/2012 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR WELDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:04/11/2010 :WO 2011/055325 A3 :NA :NA	(71)Name of Applicant:  1)SARONG SOCIETA'PER AZIONI Address of Applicant: VIA COLOMBO 18, I-42046 REGGIOLO (RE) Italy (72)Name of Inventor: 1)BARTOLI, ANDREA 2)TRALDI, FLAVIO 3)CAVAZZOLI, GIANNI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An apparatus for welding a covering film (90) superimposed on a sheet (100) of thennoformable plastic material provided with a plurality of containers (101) thermoformed thereupon, comprises first plate means (2) provided with an operating wall (20) for supporting the sheet (100) and second plate means (4) provided with welding means (5) for pressing the film (90) and the sheet (100) against the operating wall (20) such as to weld the film (90) and the sheet (100); the sheet (100) comprises a plurality of through holes (102) interposed between the containers (101), and the first plate means (2) comprises conduit means (5) leading onto the operating wall (20) at the through holes (102) for sucking air from the containers (101), and/or for leading a gas to the containers (101).

No. of Pages: 27 No. of Claims: 17

(12) TATENT ALLECATION TODLICATION

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: OPTICAL COUPLER FOR AN ENDOSCOPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:61/443546 :16/02/2011 :U.S.A.	(71)Name of Applicant:  1)THE GENERAL HOSPITAL CORPORATION Address of Applicant:55 Fruit Street Boston MA 02114 U.S.A.  (72)Name of Inventor: 1)TITUS James Sidney
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(21) Application No.6566/CHENP/2013 A

### (57) Abstract:

(19) INDIA

An optical coupler is disclosed for mounting at a distal end of an optical imaging device for visualizing a surface area covered with an opaque fluid and/or particulate matter. The coupler includes a visualization section at one end of the coupler and an attachment section connected to and extending away from the visualization section. The attachment section is dimensioned to be mounted at the distal end of the optical imaging device. The visualization section includes a proximal surface for engaging the distal end of the optical imaging device. The visualization section includes an outer surface spaced apart from the proximal surface. The outer surface extends continuously from a first outer side boundary across to a second opposite outer side boundary of the visualization section. The visualization section may include a hollow instrument channel extending from the proximal surface toward the outer surface. The visualization section can be formed from an elastic material capable of transmitting an optical image of the surface area. In one form the material is a silicone gel or a silicone elastomer.

No. of Pages: 60 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :06/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD FOR POSITIONING A MOVING ELEMENT ON A RADAR IMAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:1100645 :03/03/2011 :France	(71)Name of Applicant:  1)THALES  Address of Applicant: 45 rue de Villiers F 92200 Neuilly Sur Seine France (72)Name of Inventor:  1)BOSSER Luc 2)HOTTIER Vincent 3)LE FOLL Didier 4)SFEZ Thierry
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for positioning a moving target on a radar image. It applies to radar systems comprising at least two reception paths and having electronic means for image processing for calculating a target dephasing value. According to the method previously detected moving targets are then positioned in a radar image by means of a correspondence table that can associate a position in the image according to a phase difference value. The invention enables images to be obtained with moving elements the position and movement of which have been characterised by means of a single acquisition phase.

No. of Pages: 24 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :30/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHODS OF DEVELOPING TERPENE SYNTHASE VARIANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12N9/88 :61/438948 :02/02/2011 :U.S.A. :PCT/US2012/023446 :01/02/2012 :WO 2012/106405 :NA :NA :NA	(71)Name of Applicant:  1)AMYRIS INC.  Address of Applicant:5885 Hollis Street Suite 100 Emeryville CA 94608 U.S.A. (72)Name of Inventor:  1)ZHAO Lishan  2)XU Lan  3)WESTFALL Patrick  4)MAIN Andrew
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### (57) Abstract:

The present disclosure relates to methods of developing terpene synthase variants through engineered host cells. Particularly the disclosure provides methods of developing terpene synthase variants with improved performance that are useful in the commercial production of terpene products. Further encompassed in the present disclosure are superior terpene synthase variants and host cells comprising such terpene synthase variants.

No. of Pages: 122 No. of Claims: 33

(21) Application No.7262/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :10/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: RUBBER COMPOSITION FOR TREAD, AND PNEUMATIC TIRE

<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>	:C08L9/00,C08L15/00,C08K3/04 :2011120780 :30/05/2011 :Japan	(71)Name of Applicant:  1)SUMITOMO RUBBER INDUSTRIES LTD.  Address of Applicant: 6 9 Wakinohama cho 3 chome Chuo ku Kobe shi Hyogo 6510072 Japan
(86) International Application No Filing Date	:PCT/JP2012/059112 :03/04/2012	(72)Name of Inventor: 1)KONDO Toshikazu
(87) International Publication No	:WO 2012/165038	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A rubber composition for treads is provided with which not only steering stability wear resistance and fuel saving properties can be improved while attaining a satisfactory balance thereamong but also wet grip performance and processability can also be improved while attaining a satisfactory balance therebetween. Also provided is a pneumatic tire obtained using the rubber composition. The rubber composition for treads comprises a terminal modified styrene butadiene rubber produced by solution polymerization a butadiene rubber synthesized using a rare earth based catalyst and a reinforcement.

No. of Pages: 31 No. of Claims: 7

(21) Application No.7263/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: RUBBER COMPOSITION AND PNEUMATIC TIRE

(51) International classification: C08L15/00,B60C1/00,C08C19/22 (71) Name of Applicant:

:17/04/2012

:WO 2012/144487

(31) Priority Document No :2011096556 (32) Priority Date :22/04/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/060342

No 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 RUBBER INDUSTRIES LTD.

Address of Applicant: 6 9 Wakinohama cho 3 chome Chuo ku

Kobe shi Hyogo 6510072 Japan

(72)Name of Inventor: 1)TAGUCHI Takafumi

2) UESAKA Kenichi 3)IMOTO Yoji

4)YAMAUCHI Satomi

5)KAGAWA Yoshihiro

present invention relates to a rubber composition which contains a rubber component a silica (1) that has a nitrogen adsorption specific surface area of 100 m/g or less and a silica (2) that has a nitrogen adsorption specific surface area of 180 m/g or more. In the rubber composition the content of a conjugated diene polymer which has a constituent unit derived from a conjugated diene and a constituent unit represented by formula (I) and at least one end of which is modified with a specific compound is 5% by mass or more per 100% by mass of the rubber component and the total content of the silica (1) and the silica (2) per 100 parts by mass of the rubber component is 30 150 parts by mass.

performance wear resistance and steering stability in a balanced manner; and a pneumatic tire which uses the rubber composition. The

The present invention provides: a rubber composition which is capable of improving fuel consumption saving wet grip

No. of Pages: 172 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :13/09/2013

(21) Application No.7404/CHENP/2013 A

(43) Publication Date : 20/02/2015

# (54) Title of the invention: SUBSTITUTED (3*R* 4*R*) 4 CYAN 3 4 DIPHENYLBUTANOATES METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF AS HERBICIDES AND PLANT GROWTH REGULATORS

(51) International classification :A01N37/34,C07C255/41

:EPO

(31) Priority Document No :11158828.1 (32) Priority Date :18/03/2011

(86) International Application No :PCT/EP2012/054292

Filing Date :12/03/2012

(87) International Publication No :WO 2012/126765

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

(33) Name of priority country

(62) Divisional to Application Number :NA Filing Date :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)JAKOBI Harald 2)MOSRIN Marc

3)GATZWEILER Elmar

4)H,,USER HAHN Isolde 5)HEINEMANN Ines

6)ROSINGER Christopher Hugh

7)ANGERMANN Alfred

8)HOFFMANN Michael Gerhard

9)SCHNATTERER Stefan 10)ZEI Hans Joachim

#### (57) Abstract:

The invention relates to substituted (3 4) 4 cyan 3 4 diphenylbutanoates to a method for the production thereof and use thereof as herbicides and plant growth regulators. The invention also relates to compounds of formula (I) or the salts thereof and their salts respectively in the optically active (3R 4R) threo form R representing hydrogen or a hydrolysable radical and (R) (R) n and m being defined in formula (I) according to claim 1. The stereochemical configuration on the C atom in position 3 of the butanic acid derivative has a stereochemical purity of between 60 and 100 % () preferably 70 and 100 % () more preferably 80 and 100 % () in particular 90 and 100 % () with respect to the obtained mixture of the threo enantiomers and the stereochemical configuration on the C Atom in position 4 of the butanic acid derivative has a stereochemical purity of between 60 and 100 % () preferably 70 and 100 % () more preferably 80 and 100 % () in particular 90 and 100 % () with respect to the obtained mixture of the threo enantiomers. Said substituted formula can be used as herbicides and plant growth regulators in particular for the selective use in plant cultures and can be produced according to claim 9 in the method.

No. of Pages: 143 No. of Claims: 15

(21) Application No.5245/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AN INTELLIGENT AND INTUITIVE SIGNALING SYSTEM FOR MOTOR VEHICLES TO MINIMIZE ROAD ACCIDENTS

(51) Intermedianal aleraidian	.C00C	(71) Norman & Amerikanska
(51) International classification	:G08G	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VNR VIGNANA JYOTHI INSTITUTE OF
(32) Priority Date	:NA	ENGINEERING AND TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :BACHUPALLY, NIZAMPET (S.O),
(86) International Application No	:NA	HYDERABAD - 500 090 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. C. DHANUNJAYA NAIDU
(61) Patent of Addition to Application Number	:NA	2)DR. D. NAGESWARA RAO
Filing Date	:NA	3)DR. N. BALAJI
(62) Divisional to Application Number	:NA	4)MR. V. NAVEENKUMAR
Filing Date	:NA	

### (57) Abstract:

The invention relates to an Intelligent and Intuitive Signaling System for motor vehicles to minimize road accidents comprising: a transmitter module located on the dashboard of a vehicle, and consisting of a control panel having a plurality of switches to indicate intended action of vehicle driver, a microcontroller receiving the indicated instructions data from the control panel, an encoder encoding the outputted data from the microcontroller and at least one RF-transmitter transmitting the encoded data wirelessly, wherein a magnetic compass module is embedded on the dash board to monitor the vehicle rotation through  $+90^{\circ}$  for right and left turn and  $\pm$  180° for right U-turn; and a receiver module receiving the transmitted encoded data from the transmitter module, the receiver module essentially consisting of a RF-receiver, a decoder to decode the encoded data, a microcontroller receiving the decoded data to activate a plurality of LED-drivers which in turn display the corresponding signal pattern on a panel of LED-matrices.

No. of Pages: 12 No. of Claims: 4

(21) Application No.5246/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention : AN INTEGRATED COMPUTING SYSTEM AND A PROCESS TO GENERATE THE DRIVER SAFETY INDEX FOR PREVENTING AUTOMOBILE ACCIDENTS

(51) Intermedianal alassification	·C09C1/00	(71)Name of Applicant.
(51) International classification	.00801/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VNR VIGNANA JYOTHI INSTITUTE OF
(32) Priority Date	:NA	ENGINEERING AND TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :BACHUPALLY, NIZAMPET (S.O),
(86) International Application No	:NA	HYDERABAD - 500 090 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. C. DHANUNJAYA NAIDU
(61) Patent of Addition to Application Number	:NA	2)DR. D. NAGESWARA RAO
Filing Date	:NA	3)DR. N. BALAJI
(62) Divisional to Application Number	:NA	4)DR. DEVI PRASAD
Filing Date	:NA	

### (57) Abstract:

The invention relates to an integrated computing system to generate a Driver Safety Index (DSI) for preventing automobile accidents, comprising an accelerometer module having a 3-axis accelerometer sensor generating linear and lateral acceleration or deceleration signals receiving the data from the sensor and, comparing the received data with pre-stored data (threshold valves) in an internal storage device; a processing unit acquiring audio and video signals from a microphone and a web camera; a Global positioning system (GPS) sensor providing the Global positioning System (GPS) data relating to the traffic road condition and vehicle speed to the processor; a Bluetooth module providing vehicle parameters such as engine RPM, fuel pressure, mass air flow, and braking oil pressure; wherein the accelerometer module upon detection of any of the signal values exceeding the threshold value, an event is detected and logged in with a simultaneous audio alert to the driver, wherein the camera module upon detection of an event records the corresponding video for 10 seconds prior to the event log-in and for 10 seconds post-event detection, and wherein on arrival of the vehicle at destination, the event data are analyzed to produce a driver safety index for transmission to the central server.

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

(19) INDIA

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MOBILE COMMUNICATION METHOD AND MOBILE MANAGEMENT NODE

(51) International classification :H04W36/28,H04W36/14,H04W40/36

(31) Priority Document No :2011-024383 (32) Priority Date :07/02/2011 (33) Name of priority

country :Japan

(86) International Application No :PCT/JP2012/052727 :07/02/2012

Filing Date

(87) International Publication No :WO/2012/108423

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

NA

NA

NA

NA

NA

NA

NA

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)NISHIDA, Katsutoshi 2)KOSHIMIZU, TAKASHI 3)TAKASHI, HIDEAKI 4)IWAMURA, MIKIO

### (57) Abstract:

Filing Date

Provided is a scheme that, during handover from E-UTRAN to UTRAN/GERAN of UE #1, which is performing video communication with UE #2, is for determining the switching method of the video communication. The summary of the mobile communication method is that the mobile communication method has: a step wherein, when setting a video bearer and audio bearer that configure a path for video communication, an IMS determines the switching method of the video communication; and a step wherein a mobile transmission network and an eNB hold association information that associates information relating to the determined switching method, information relating to the video bearer, and information relating to the audio bearer.

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

(19) INDIA

(22) Date of filing of Application :16/09/2013

(21) Application No.7482/CHENP/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: THICK STEEL SHEET HAVING SUPERIOR FATIGUE RESISTANCE PROPERTIES IN SHEET THICKNESS DIRECTION METHOD FOR PRODUCING SAME AND FILLET WELDED JOINT USING SAID THICK 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</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul> <li>Filing Date</li>	:C22C38/00,B23K9/02,B23K9/23 :2011069727 :28/03/2011 :Japan :PCT/JP2012/058780 :27/03/2012 :WO 2012/133872 :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2 3Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor:  1)HANDA Tsunehisa 2)IGI Satoshi 3)ENDO Shigeru
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### (57) Abstract:

Provided are: a thick steel sheet that has superior fatigue resistance properties in the direction of sheet thickness and that is favorable for a welded steel structure of a pressure vessel or the like; a method for producing the thick steel sheet; and a fillet welded joint that uses the thick steel sheet. Specifically the thick steel sheet has an aggregate structure having an x ray intensity ratio of at least 2.0 in the (110) plane parallel to the sheet surface in at least the range from the position 2 mm in the direction of sheet thickness from one or both of the rolled surfaces of the steel sheet to the 3/10 position of the sheet thickness and has a structure having an average value for the compressive remaining stress in the direction of sheet thickness of at least 160 MPa having an x ray intensity ratio in the (100) plane parallel to the sheet surface of no greater than 1.1 and containing: C Si and Mn; Ti and/or Nb; and as needed one or at least two of Cu Ni Cr Mo V W Zr B and Al the remainder comprising Fe and unavoidable impurities.

No. of Pages: 53 No. of Claims: 10

(21) Application No.3586/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MUSCLE POWERED TABLE LAMP

(51) International classification	:A22C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)B N Karkera
(32) Priority Date	:NA	Address of Applicant :Apartment 2, HomiJehangirBhabha
(33) Name of priority country	:NA	Visiting Faculty Block, National Institute of Technology NH 66,
(86) International Application No	:NA	Srinivas Nagar, Surathkal, Mangalore, Karnataka 575025 India
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)B N Karkera
Filing Date	:NA	2)D Chandramohan
(62) Divisional to Application Number	:NA	3)Johnson Tellis
Filing Date	:NA	4)Gautham Nayak

## (57) Abstract:

In one aspect of present invention, the rotating wheel is attached with pedal which converts the muscle power of human into kinetic energy of rotating wheel. The rotating wheel is coupled with dynamo. Dynamois used to generate electrical energy from kinetic energy of rotating wheel. The output electrical energy of dynamo is in the form of alternating current which is passed to the rectifier circuit. Rectifier circuit converts an alternating current to direct currentby suppressing alternate half cycles of alternating current. In one embodiment, the rectifier circuit stabilizes the flow of electric current. The converted direct current is passed to the regulator circuit. The regulator circuit generates a constant current irrespective of changes in input voltage or load current. The generated constant current is passed to the super capacitor. Super capacitor stores the electrical energy and the electrical energy may be transmitted through an external circuit. In another embodiment, external circuit is a table lamp circuit operated through a switch.

No. of Pages: 12 No. of Claims: 1

(19) INDIA

(22) Date of filing of Application :16/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: ELECTRICAL DISCHARGE MACHINING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:11/04/2011 :WO 2012/140723	(71)Name of Applicant:  1)Mitsubishi Electric Corporation Address of Applicant: 7 3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan (72)Name of Inventor: 1)KATOUGI Hidetaka 2)KUROKAWA Toshiaki
		· · · · · · · · · · · · · · · · · · ·
(61) Patent of Addition to Application Number	:WO 2012/140723 :NA :NA	2)KUROKAWA Toshiaki
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.7452/CHENP/2013 A

### (57) Abstract:

This electrical discharge machining device has an electrical conduction detection sensor (21) that detects contact of a first contact body and a second contact body by electrification and a numerical control unit (13) that is provided with a main shaft drive control unit (30) that controls the driving of a main shaft and recognizes the positional relationship of tool electrodes and an article being processed. Either a noncontact position detection sensor (24) which outputs a detection signal when a residual space that is set in advance is present between the first contact body and second contact body in a noncontact stage prior to contact of the first contact body and second contact body or a drive unit (27) that detects a load applied to the main shaft is provided. The main shaft drive control unit (30) stops the movement of the main shaft in either the case of the amount the main shaft moves exceeding the residual space from the output of the detection signal by the noncontact position detection sensor (24) or the case of an excessive load being determined from the results of detection by the drive unit (27).

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

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :16/09/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: CONTROL PANEL

(51) International classification :B60K37/06,H01H13/70,H01H13/06

(31) Priority Document No :1152285 (32) Priority Date :21/03/2011

(33) Name of priority :France

country

(86) International Application No :PCT/EP2012/053526

Filing Date :01/03/2012

(87) International Publication: WO 2012/126706

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

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

(71)Name of Applicant:

1)DELPHI TECHNOLOGIES INC.

(21) Application No.7453/CHENP/2013 A

Address of Applicant :PO Box 5052 Troy Michigan 48007

USA

(72)Name of Inventor: 1)LA PAGLIA Anthony

2)PRIGENT Frdric

### (57) Abstract:

(19) INDIA

A control panel designed to be positioned in a vertical plane (PZ) the panel comprising a layered assembly of a flat base a sheet (24) of elastomer mounted against the base the sheet (24) being provided with openings (36 38 42 44) and possibly with domes (30) and a styled fa§ade. The control panel is further provided with a means of protection against liquids (20) which is integral with the sheet (24). The protective means comprises elements projecting from the main surface of the sheet (24) said elements being arranged in such a way that when the control panel is in the substantially vertical plane (PZ) and a liquid (20) penetrates between the sheet (24) and the styled facade the liquid (20) is guided in a set path (F) and re emerges from the panel (62) having avoided critical zones (36 38 42 44) leading in particular to detectors.

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

(21) Application No.7611/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :19/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : USE OF N (1 2 5 OXADIAZOL 3 YL)BENZAMIDES FOR CONTROLLING UNWANTED PLANTS IN AREAS OF TRANSGENIC CROP PLANTS BEING TOLERANT TO HPPD INHIBITOR HERBICIDES

(51) International classification	:A01N43/82	(71)Name of Applicant:
(31) Priority Document No	:11159750.6	1)BAYER INTELLECTUAL PROPERTY GMBH
(32) Priority Date	:25/03/2011	Address of Applicant :Alfred Nobel Strasse 10 40789
(33) Name of priority country	:EPO	Monheim Germany
(86) International Application No	:PCT/EP2012/054978	(72)Name of Inventor:
Filing Date	:21/03/2012	1)POREE Fabien
(87) International Publication No	:WO 2012/130684	2)VAN ALMSICK Andreas
(61) Patent of Addition to Application	:NA	3)K–HN Arnim
Number	:NA	4)LABER Bernd
Filing Date	.NA	5)HAIN R <sup>1</sup> / <sub>4</sub> diger
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

### (57) Abstract:

Use of N (1 2 5 Oxadiazol 3 yl)benzamides of Formula (I) or salts thereof for controlling unwanted plants in areas of transgenic crop plants being tolerant to HPPD inhibitor herbicides by containing one or more chimeric gene(s) comprising (I) a DNA sequence encoding hydroxyphenylpyruvate dioxygenase (HPPD) derived from a member of a group of organisms consisting of (a) Avena (b) Pseudomonas (c) Synechococcoideae (d) Blepharismidae (e) Rhodococcus (f) Picrophilaceae (g) Kordia or (II) comprising one or more mutated DNA sequences of HPPD encoding genes of the before defined organisms.

No. of Pages: 232 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :04/10/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ROTARY ELECTRIC APPARATUS AND ROTOR

(51) International classification	:H02K1/00 ·2012-	(71)Name of Applicant: 1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Priority Document No	.2012- 256457	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:22/11/2012	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)HIROFUMI SHIMONO
(87) International Publication No	: NA	2)SEIGO ISAYAMA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A rotary electric apparatus (1) having a stator (2) and a rotor (3) is provided. The rotor (3) includes a rotor core (6) provided with slots (20) extending in an axial direction of the rotor core (6), and rotor bars (30) 5 arranged in the slots (20), respectively. The slot (20) and the rotor bar (30) include, in a transverse cross section which is cut perpendicular to a rotation shaft (8) of the rotor (3), a plurality of convex portions (21, 31, 31 A) or a plurality of concave portions (22, 32, 32A) in at least one of both end faces in a circumferential direction, respectively. The rotor core (6) may further 10 include an outer edge portion (19) extending in the circumferential direction so that it exposes a radially outer portion of the slot (20) and covers the rest.

No. of Pages: 26 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :16/08/2013

(21) Application No.6597/CHENP/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHOD FOR DECIDING RESOURCE SPECIFIC TRANSMISSION MODE IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:61/469079 :29/03/2011 :U.S.A. :PCT/KR2012/002211 :27/03/2012 :WO 2012/134140 :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 20 Yeouido dong Yeongdeungpo gu Seoul 150 721 Republic of Korea (72)Name of Inventor:  1)SEO Hanbyul
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for a user equipment transmitting/receiving signals to and from a base station in a wireless communication system is disclosed in the present invention, which is specifically characterized by comprising the following steps: receiving form the base station information related to a plurality of subframe sets; receiving from the base station information related to transmission modes which correspond to each of the plurality of subframe sets; and transmitting/receiving the signals to and from the base station based on the transmission mode that corresponds to a specific subframe set in a subframe that belongs to the specific subframe set from the plurality of subframe sets.

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

:NA

(19) INDIA

(22) Date of filing of Application :06/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING SI CONTAINING COLD ROLLED STEEL SHEET

(51) International classification: C23G1/08,C21D9/46,C22C38/00 (71)Name of Applicant: (31) Priority Document No :2011070793 1)JFE STEEL CORPORATION (32) Priority Date Address of Applicant: 2 3Uchisaiwai cho 2 chome Chiyoda ku :28/03/2011 (33) Name of priority country Tokyo 1000011 Japan :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/058776 1)MATSUSHIMA Tomohiro No :26/03/2012 Filing Date 2)INOSE Masao (87) International Publication 3)NAGOSHI Masayasu :WO 2012/133869 4)MASUOKA Hiroyuki (61) Patent of Addition to 5)AIZAWA Shigeyuki :NA **Application Number** 6)NORO Hisato :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

Provided are a method and a device for producing an Si containing cold rolled steel sheet having excellent chemical treatability even using a low temperature chemical treatment solution with which sludge formation is maintained to a minimum and running costs are reduced. The method comprises a step whereby steel containing 0.5 to 3.0 mass% of Si is cold rolled the product is subjected to continuous annealing and then the surface of the continuously annealed cold rolled steel is washed with acid and a step whereby the surface of the steel sheet that has been washed with an acid is re washed with an acid using a nonoxidizing acid. The solution used for re washing with an acid is continuously or periodically sampled and the acid concentration of the sample is determined in order to always maintain the acid concentration of the solution for re washing with an acid within a predetermined concentration range.

No. of Pages: 63 No. of Claims: 18

:NA

:NA

(19) INDIA

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: INTEGRATED CATALYTIC PROTECTION OF OXIDATION SENSITIVE MATERIALS

(51) International classification :A61B5/00,A61B5/145,A61B6/00 (71)Name of Applicant: (31) Priority Document No :61/452893 1)SENSEONICS INCORPORATED (32) Priority Date :15/03/2011 Address of Applicant :20451 Seneca Meadows Parkway (33) Name of priority country Germantown MD 20876 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/029209 1)COLVIN Arthur E. Jr. :15/03/2012 Filing Date 2)JIANG Hui (87) International Publication :WO 2012/125814 A2 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

### (57) Abstract:

Filing Date

Number

An implantable device with in vivo functionality where the functionality of the device is negatively affected by ROS typically associated with inflammation reaction as well as chronic foreign body response as a result of tissue injury is at least partially surrounded by a protective material structure and/or a coating that prevents damage to the device from any inflammation reactions. The protective material structure and/or coating is a biocompatible metal preferably silver platinum palladium gold manganese or alloys or oxides thereof that decomposes reactive oxygen species (ROS) such as hydrogen peroxide and prevents ROS from oxidizing molecules on the surface of or within the device. The protective material structure and/or coating thereby prevents ROS from degrading the in vivo functionality of the implantable device.

No. of Pages: 67 No. of Claims: 62

(19) INDIA

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR NON FASTING LDL CHOLESTEROL ASSAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:01/05/2013 :WO 2013/166160 :NA :NA	(71)Name of Applicant:  1)POLYMER TECHNOLOGY SYSTEMS INC. Address of Applicant: 7736 Zionsville Road Indianapolis Indiana 46268 U.S.A. (72)Name of Inventor: 1)RILEY Timothy 2)PATWARDHAN Aniruddha 3)LADUCA Frank
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

In one embodiment a test strip for testing for cholesterol related blood analytes in whole blood includes a red blood cell separation layer the red blood cell separation layer separating red blood cells from a blood sample applied to the test strip as the blood sample flows downward through the red blood cell separation layer. The test strip further includes a reaction layer receiving the blood sample from the red blood cell separation layer the reaction layer including POE POP POE block copolymer a surfactant and a reflectivity changing reactant the POE POP POE block copolymers solubilizing essentially only non LDL cholesterol analytes the non LDL cholesterol analytes reacting with the reflectivity changing reactant in order to change a reflectivity of the blood sample.

No. of Pages: 39 No. of Claims: 35

(19) INDIA

(22) Date of filing of Application :05/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : OPTIMISING THE UTILISATION OF RENEWABLE ENERGY FROM BIOMASS RESOURCES IN THE PALM OIL INDUSTRY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:PI 2011000551 :07/02/2011 :Malaysia	(71)Name of Applicant:  1)PALANISAMY Krishna Moorthy Address of Applicant: No. 1 Jalan Setia Nusantara U13/19A Eco Park Setia Alam Shah Alam Selangor 40170 Malaysia (72)Name of Inventor:  1)PALANISAMY Krishna Moorthy
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

#### (57) Abstract:

The invention provides an arrangement for operating energy system of a crude palm oil extraction plant and method thereof. The arrangement for operating energy system of a crude palm oil extraction plant achieves the target of higher efficiency of energy utilisation by using heat source at a low temperature featuring in the design operation point of the energy system providing thermal energy to the palm oil extraction process. Accordingly the present invention provides an arrangement for operating energy system of a crude palm oil extraction plant which includes at least one heat source and at least one means to communicate heat from the at least one heat source to a unit process requiring heat energy wherein the energy system is designed and configured to operate at a design operation point for the temperature of the at least one heat source and wherein the at least one heat source temperature is between 115 °C and 141 °C. Preferably the temperature of the at least one heat source is between 115 °C and 130 °C is more preferred. Most preferred is where the temperature of the at least one heat source is between greater than 100 °C and less than 115 °C.

No. of Pages: 41 No. of Claims: 30

(21) Application No.7168/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: USE OF APTAMERS IN THERAPY AND/OR DIAGNOSIS OF AUTOIMMUNE DISEASES

(51) International classification	:C12N15/115,A61K31/7088,A61M1/36	(71)Name of Applicant : 1)CHARITE UNIVERSIT,,TSMEDIZIN BERLIN
(31) Priority Document No	:11157229.3	Address of Applicant :Charitplatz 1 10117 Berlin Germany 2)MAX DELBRCK CENTRUM FR MOLEKULARE
(32) Priority Date	:07/03/2011	MEDIZIN
(33) Name of priority country	:ЕРО	(72)Name of Inventor: 1)SCHIMKE Ingolf
(86) International Application No Filing Date	:PCT/EP2012/053616 :02/03/2012	2)HABERLAND Annekathrin 3)WALLUKAT Gerd
(87) International Publication No	:WO 2012/119938	
(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 is directed to an aptamer comprising or consisting of the nucleic acid sequence of SEQ ID No. 1 SEQ ID No. 2 SEQ ID No. 3 and/or a nucleic acid sequence being at least 80% identical to one of SEQ ID No. 1 2 and 3 for use in therapy and/or diagnosis of autoimmune diseases wherein the autoimmune disease is cardiomyopathy dilated cardiomyopathy (DCM) peripartum cardiomyopathy (PPCM) idiopathic

cardiomyopathy Chagas cardiomyopathy Chagas megacolon Chagas megaesophagus Chagas neuropathy benign prostatic hyperplasia scleroderma psoriasis Raynaud syndrome pre eclamsia kidney allograft

rejection myocarditis glaucoma hypertension pulmonary hypertension malignant hypertension and/or Alzheimer s disease.

No. of Pages: 50 No. of Claims: 13

(21) Application No.7853/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: INTEGRATED LANCING DEVICE

(51) International classification :A61B5/15,A61B5/151,A61B5/157

:WO 2012/170348

(31) Priority Document No :13/156491 (32) Priority Date :09/06/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/040740

No :PC1/US201 :04/06/2012

Filing Date .04/00/201

(87) International Publication No

(61) Patent of Addition to
Application Number

:NA

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

Number :NA Filing Date :NA

(57) Abstract:

(71)Name of Applicant:

1)SANOFI AVENTIS DEUTSCHLAND GMBH

Address of Applicant :Industriepark Hoechst Bldg. K607 D

65926 Frankfurt Am Main Germany

(72)Name of Inventor: 1)CASTLE Mark 2)KUGIZAKI Rodney

A lancing device is provided that has a housing with a length greater than a width. Electronics are positioned in an interior of the housing. A test strip aperture is in the housing and is adapted to receive a body fluid test strip. A lancet aperture is positioned in line with the test strip aperture.

No. of Pages: 159 No. of Claims: 4

(21) Application No.4394/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :27/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MELT SPINNING DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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- 221950	(71)Name of Applicant:  1)TMT MACHINERY, INC.  Address of Applicant:6TH FL., OSAKA GREEN BLDG., 2-6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 Japan (72)Name of Inventor:  1)KAWAMOTO KAZUHIRO
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#### (57) Abstract:

To facilitate maintenance of a biasing member which ensures sealing provided by a packing, and to prevent a decrease in productivity of yarns due to the maintenance of the biasing member. [Means for Solving Problem] A melt spinning device 1 includes an attaching portion 2 having an externally threaded portion 7, and a spinning pack 3 attached to the attaching portion 2. The spinning pack 3 includes: a main body 8; a packing 9 positioned between the attaching portion 2 and the main body 8; a moving member 10 having an internally threaded portion 23, the moving member 10 being unrotatable relative to the main body 8 and being movable relative to the main body 8 in an axial direction of the externally threaded portion 7 and the internally threaded portion 23; and a coned disc spring 11 provided between the main body 8 and the moving member 10. The coned disc spring 11 is compressed with movement of the moving member 10 at a time of attachment of the spinning pack 3 to the attaching portion 2, and biases the main body 8 toward the attaching portion 2 in the axial direction

No. of Pages: 49 No. of Claims: 7

(21) Application No.7209/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: OPTICAL MEASURING DEVICE AND SYSTEM

:15/03/2012

(51) International classification: A61B3/113,G02B27/01,G06F3/01 (71) Name of Applicant:

(31) Priority Document No :11158891.9 (32) Priority Date :18/03/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/054607

Filing Date

(87) International Publication :WO 2012/126809

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)SENSOMOTORIC INSTRUMENTS GESELLSCHAFT

FR INNOVATIVE SENSORIK MBH

Address of Applicant: Warthestrae 21 14513 Teltow Germany

(72)Name of Inventor: 1)NISTICO Walter

2)HOFFMANN Jan 3)SCHMIDT Eberhard

(57) Abstract:

The invention relates to an optical measuring device (1) for capturing at least one parameter of at least one eye (101 10r) of a test person (31) wearing the optical measuring device (1) comprising a frame (4) at least one frame insert (81 8r) attached to the frame (4) and at least one capturing unit (31 3r) wherein the frame (4) is designed to fix the optical measuring device (1) in such a way to the head of the test person (31) that the at least one frame insert (81 8r) is positioned in front of at least one eye (101 10r) of the test person (31) for at least one direction of view of the at least one eye (101 10r) on the optical axis (K) of the at least one eye (101 10r) and the capturing unit (31 3r) is designed to optically capture the at least one parameter of the at least one eye (101 10r) wherein the capturing unit (31 3r) is arranged in such a way (a) that the optical path (M) for the capturing of the at least one parameter of the at least one eye (10l 10r) excludes the frame insert (8l 8r).

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

(21) Application No.7477/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: DEVICE AND METHOD FOR CONTROLLING THE DRIVING DYNAMICS OF A VEHICLE AND VEHICLE HAVING SUCH A DEVICE

(51) International :B60W30/02,B60W40/114,B60W10/06

classification

(31) Priority Document :10 2011 106 666.0

(32) Priority Date :05/07/2011 (33) Name of priority :Germany country

(86) International :PCT/EP2012/001152 Application No

:15/03/2012 Filing Date

(87) International

:WO 2013/004318 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)WABCO GMBH

Address of Applicant: Am Lindener Hafen 21 30453

Hannover Germany (72)Name of Inventor: 1)GR-GER Jens 2)STRACHE Wolfgang

(57) Abstract:

The invention relates to a device for controlling the driving dynamics of a vehicle (2) comprising a driver s cab (4) spring mounted with respect to a frame (8) of the vehicle (2) and to a corresponding method and to a vehicle having said device. According to the invention the yaw rate and deflection of the driver's cab are detected. The yaw rate sensor is arranged in the driver's cab (4). The yaw rate (GRe) of the vehicle frame (8) is estimated or calculated from the yaw rate and deflection of the driver's cab. If the difference between the estimated or calculated yaw rate (GRe) of the vehicle frame (8) and a desired yaw rate (GRs) exceeds a limit value the brake system and/or the drive are actuated.

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

(21) Application No.7928/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :30/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DEPENDENCY BASED IMPACT ANALYSIS USING MULTIDIMENSIONAL MODELS OF SOFTWARE OFFERINGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:13/118962 :31/05/2011 :U.S.A. :PCT/US2011/049319 :26/08/2011	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 Coast Avenue Mountain View California 94043 U.S.A. (72)Name of Inventor: 1)VENKATARAMAN Ramkumar
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/166166 :NA :NA :NA :NA	2)LABAT Jerome 3)EDWARD John Eugene 4)VARADHARAJAN Ramachandran

### (57) Abstract:

The disclosed embodiments provide a system that facilitates the maintenance and execution of a software offering. During operation the system obtains model data associated with a multidimensional model of the software offering. Next the system uses the model data to calculate a set of dependency scores representing levels of dependency among a set of service components and a set of resources used by the software offering. Finally the system uses the dependency scores to facilitate management of the software offering.

No. of Pages: 26 No. of Claims: 21

(21) Application No.6811/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: DIAGNOSTIC ANTIBODY ASSAY

(51) International classification	:C07K16/18,G01N33/68	(71)Name of Applicant:
(31) Priority Document No	:61/453449	1)PROBIODRUG AG
(32) Priority Date	:16/03/2011	Address of Applicant : Weinbergweg 22 06120 Halle/Saale
(33) Name of priority country	:U.S.A.	Germany
(86) International Application No	:PCT/EP2012/054629	(72)Name of Inventor:
Filing Date	:16/03/2012	1)KLEINSCHMIDT Martin
(87) International Publication No	:WO 2012/123562	2)SCHILLING Stephan
(61) Patent of Addition to Application	:NA	3)RAHFELD Jens Ulrich
Number	:NA	4)DEMUTH Hans Ulrich
Filing Date	.1171	5)EBERMANN Kristin
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention pertains to novel diagnostic assays for the diagnosis of amyloidosis in particular Alzheimer's disease and related aspects. In particular monoclonal antibodies and an antibody assay are provided.

No. of Pages: 123 No. of Claims: 35

(12) TATENT ATTLICATION TOBLICATION

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: MOBILE STATION

(51) International classification :H04W28/18,H04W52/18,H04W88/06

(31) Priority Document No :2011-029235

(32) Priority Date :14/02/2011
(33) Name of priority

country :Japan

(86) International :PCT/JP2012/053430

Application No Filing Date :14/02/2012

(87) International

Publication No :WO/2012/111676

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant: 1)NTT DOCOMO, INC

(21) Application No.6816/CHENP/2013 A

Address of Applicant :Toranomon Kotohira Tower, 2-8, Toranomon 1-chome, Minato-ku, Tokyo 1050001. Japan

(72)Name of Inventor:1) UCHINO, Tooru2)UMESH, ANIL

#### (57) Abstract:

(19) INDIA

In a mobile station (UE) according to the present invention: when prohibitPHR-Timer\_up is interrupted, and the degree of increase of either the transmission power or the P-MPR in a second communication has exceeded dl-PathlossChange when compared with values for the last PHR transmission, a PHR transmission unit (11) transmits the PHR to the RAT (#1); and when prohibitPHR-Timer\_down is interrupted, and the degree of decrease of either the transmission power or the P-MPR has exceeded dl-PathlossChange in the second communication, the PHR transmission unit (11) transmits the PHR to the RAT (#1). The prohibitPHR-Timer\_up terminates in a shorter interval than the prohibitPHR-Timer\_down.

No. of Pages: 50 No. of Claims: 3

(22) Date of filing of Application :02/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: LIGHT ENERGY SUPPLY FOR PHOTOBIOREACTOR SYSTEM

(51) International classification :B01J19/24,B01J4/00,F21V8/00 (71)Name of Applicant : (31) Priority Document No :13/022508

(32) Priority Date :07/02/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/CA2012/000097

Filing Date :07/02/2012 (87) International Publication No: WO 2012/106800

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

:NA Number :NA Filing Date

1)POND BIOFUELS INC.

Address of Applicant: 6 Collinsgrove Road Scarborough

Ontario M1E 3S4 Canada (72)Name of Inventor: 1)GONZALEZ Jaime A. 2)KOLESNIK Max 3)MARTIN Steven C.

#### (57) Abstract:

In one aspect there is provided a photobioreactor system including a supply material processing sub system a reactor sub system a product material processing sub system and a solar energy supply sub system. The reactor sub system includes a photobioreactor configured for containing a reaction mixture that is operative for effecting photosynthesis upon exposure to photosynthetically active light radiation wherein the reaction mixture includes photosynthesis reaction reagents. The supply material processing sub system is configured for supplying the reactor with supply material wherein the supply material includes at least one of the photosynthesis reaction reagents. The product material processing sub system is configured for receiving reaction zone product discharged from the reactor and effecting separation of a liquid component from the received reaction zone product. The solar energy supply sub system includes at least one solar collector wherein each one of the at least one solar collector is mounted to the photobioreactor and includes a solar collector surface configured for receiving incident solar radiation such that at least one solar collector surface is provided to define a total photobioreactor connected solar collector surface area wherein each one of the at least one solar collector is operatively coupled to an energy supply component that is configured for transmitting energy derived from the received incident solar radiation and supplying the energy to at least one of the other sub systems. The total photobioreactor connected solar collector surface area is at least 75 square metres.

No. of Pages: 53 No. of Claims: 22

(21) Application No.7045/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :02/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: TWO PHASE BINDER COMPOSITIONS AND METHODS FOR MAKING AND USING SAME

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	:D04H1/587,D04H1/4218,D04H1/64 :61/450737 :09/03/2011 :U.S.A. :PCT/US2012/027720 :05/03/2012 :WO 2012/122099 :NA :NA	(71)Name of Applicant:  1)GEORGIA PACIFIC CHEMICALS LLC Address of Applicant:133 Peachtree Street NE Atlanta GA 30303 U.S.A. (72)Name of Inventor: 1)SHOEMAKE Kelly A. 2)BREYER Robert A.
Application Number	:NA :NA	

### (57) Abstract:

Fiberglass products and methods for making same are provided. The fiberglass product can include a plurality of fibers and a two phase binder composition comprising a mixture of an aqueous polymer and a powdered polymer.

No. of Pages: 46 No. of Claims: 24

(21) Application No.8378/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: TOOLS FOR BOWED STRING MUSICAL INSTRUMENTS

:NA

(51) International classification :G10D3/14,G10D3/12,G10D1/00 (71)Name of Applicant: (31) Priority Document No :FI2011U000028 1)KUGO Hiroshi (32) Priority Date :05/05/2011 Address of Applicant: Via G. Caccini 11 I 50141 Firenze Italy (33) Name of priority country (72)Name of Inventor: :Italy (86) International Application 1)KUGO Hiroshi :PCT/IT2012/000131 No :04/05/2012 Filing Date (87) International Publication No:WO 2012/150616 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

# (57) Abstract:

Filing Date

A tool for musical string instruments that is to be mounted in contact with a vibrating part of the instrument made up of two stably coupled portions (11 13; 16 17; 25 26 27 28) one made of wood the other made of a material different from wood.

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

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : DEVICE AND METHOD FOR DIAGNOSING MAXIMUM EFFICIENCY OF MICROBES ON BIOREMEDIATION PROCESS

(51) International classification	:B09C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. N. MATHIYAZHAGAN
(32) Priority Date	:NA	Address of Applicant :1/28, NORTH STREET,
(33) Name of priority country	:NA	VADATHORASALUR (P.O), KALLALURICHI (T.K),
(86) International Application No	:NA	VILLUPURAM (D.T) - 606 206 Tamil Nadu India
Filing Date	:NA	2)DR. D. NATARAJAN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. N. MATHIYAZHAGAN
Filing Date	:NA	2)DR. D. NATARAJAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The bioremediation is a sustainable technology for the reclamation of pollution from environment like soil and water with eco-friendly manner. This newly designed elliptical shape device is effectively overtake the constraints exists in traditional methods and system. The said device provide sterile environment for remediation process and two pipes are provided in the device for providing/maintaining air equilibration process to enhance the maximum pollution (metal) removal efficiency of microbes. In another embodiment, the outlet pipe (cotton free pipe) removed the over gas pressure produced by microbes during the remediation process and simultaneously, the inlet pipe (fitted with cotton slackly) will allow the entry of sterile air from atmosphere. Preferably, these devise features are contains air equilibrating parts and sample measuring scale for the enhancement of microbial bioremediation process and assess the reclamation efficiency of certain quantity of inoculum on certain quantity of pollutants/medium respectively. In another embodiment of the invention, filter paper holding stripe on the inside of the top lid, this paper will absorb the water vapors arising during the remediation process and avoid the moisture pressure during the treatment time, it will support the microbial activity for the effective bioremediation process. Another embodiment of the invention, a slide type opener is fitted on the lid part, for the intermediate sample analysis without disturbing the process. Besides, the ridges of the bottom part possess rubber/leather made layers to fix the top lid without allowing the aeration through that way and confirm the accuracy of result of test inoculum.

No. of Pages: 10 No. of Claims: 7

(21) Application No.7391/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: N (3 CARBAMOYLPHENYL) 1H PYRAZOLE 5 CARBOXAMIDE DERIVATIVES AND THE USE THEREOF FOR CONTROLLING ANIMAL PESTS

(51) International :C07D231/14,C07D231/16,C07D231/18

:EPO

:WO 2012/126766

classification

(31) Priority Document :11158838.0

(32) Priority Date :18/03/2011

(33) Name of priority country

(86) International

:PCT/EP2012/054299 Application No :12/03/2012 Filing Date

(87) International

Publication No

**Application Number** Filing Date

(61) Patent of Addition to :NA

:NA (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)MAUE Michael

2)ADELT Isabelle 3)HEIL Markus

4)JESCHKE Peter 5)KAPFERER Tobias

6)MHLTHAU Friedrich August

7)SUDAU Alexander 8)MALSAM Olga 9)L-SEL Peter

10)VOERSTE Arnd 11)G-RGENS Ulrich

# (57) Abstract:

The invention relates to compounds of the general formula (I) in which the groups A A A A L Q R T and W have the meanings provided in the description and to the use of the compounds for controlling animal pests. The invention further relates to a method and intermediate products for producing the compounds according to formula (I).

No. of Pages: 125 No. of Claims: 13

(21) Application No.8270/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :14/10/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF INFLUENZA

(51) International classification :A61K31/00,C07K16/00,C07K16/42

(31) Priority Document No :61/453101 (32) Priority Date :15/03/2011

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

country (86) International

Application No :PCT/US2012/028883

Filing Date :13/03/2012

(87) International Publication: WO 2012/125614

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

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

(71)Name of Applicant:

1)THERACLONE SCIENCES INC.

Address of Applicant :Seattle Life Sciences Building 1124

Columbia Street Suite 300 Seattle WA 98104 U.S.A.

(72)Name of Inventor: 1)GRANDEA Andres G.

2)KING Gordon 3)COX Thomas C. 4)OLSEN Ole

5)MITCHAM Jennifer 6)MOYLE Matthew 7)HAMMOND Phil

#### (57) Abstract:

The present invention provides novel human anti influenza antibodies and related compositions and methods. These antibodies are used in the diagnosis and treatment of influenza infection.

No. of Pages: 249 No. of Claims: 18

(21) Application No.7325/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: ROTOR FOR IPM MOTOR, AND IPM MOTOR EQUIPPED WITH SAME

(51) International classification :H02K1/02,H02K1/22,H02K1/27 (71)Name of Applicant:

(31) Priority Document No :2011081214 (32) Priority Date :31/03/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/057927 No

:27/03/2012 Filing Date

(87) International Publication No:WO 2012/133404

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)NISSHIN STEEL CO. LTD.

Address of Applicant: 4 1 Marunouchi 3 chome Chiyoda ku

Tokyo 1008366 Japan (72)Name of Inventor: 1)IWATSU Tomonaga

2)KATAGIRI Yukio 3)FUJIWARA Susumu

4)MORIKAWA Shigeru

# (57) Abstract:

A rotor iron core is used which is formed by laminating a base steel sheet having a magnetic flux density (B8000) of 1.65 T or more as measured at a magnetic field strength of 8000 A/m and also having a coercivity of 100 A/m or more.

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

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :16/09/2013 (43) Publication Date : 20/02/2015

(54) Title of the invention: LOW COST LOW COG PM MACHINE

(51) International classification :H02K1/17,H02K15/03,H02K21/02

:NA

(31) Priority Document No :61/503438 (32) Priority Date :30/06/2011

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

(86) International Application :PCT/US2012/043850

Filing Date :22/06/2012

(87) International Publication :WO 2013/003241

No

(19) INDIA

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

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

Number Filing Date (71)Name of Applicant : 1)MCINTOSH Devon R.

(21) Application No.7474/CHENP/2013 A

Address of Applicant :17609 Clinton Street Accokeek MD

20607 U.S.A.

(72)Name of Inventor: 1)MCINTOSH Devon R.

### (57) Abstract:

Due largely to their high torque to current and torque to volume ratios permanent magnet (PM) motors and generators are increasingly being used in a wide range of high performance applications such as industrial drives robotics computer peripherals and automotive applications. The present invention utilizes stator modularity to enable cost efficiency by significantly decreasing stator core manufacturing costs and coil forming and fixturing costs in several ways. Minimizing costs extend to a novel lightweight support structure that does not require the usual encasement structure. The approach presents a challenge to mitigating cogging torque via popular methods; therefore a novel anti cogging approach was developed that is a natural outgrowth of the modular layout instead of being negatively impacted by. The result is a low cost PM machine design and method with low cogging torque.

No. of Pages: 36 No. of Claims: 32

(21) Application No.5285/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A PROCESS FOR PRODUCTION OF AN ALCOHOLIC BEVERAGE FROM CASHEW APPLE AND RAISINS AND THE ALCOHOLIC BEVERAGE PRODUCED THEREOF

(51) International classification (31) Priority Document No	:c12g :NA	(71)Name of Applicant : 1)Dr. Prasanna Belur. Devarbhatta.
(32) Priority Date	:NA	Address of Applicant :National Institute of Technology
(33) Name of priority country	:NA	Karnataka Surathkal Mangalore-575 025. Karnataka India
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Prasanna Belur. Devarbhatta.
(61) Patent of Addition to Application Number	:NA	2)Vinayaka Babu Shet
Filing Date	:NA	3)Shashikiran. Ravikiran. Hospet
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A process for production of an alcoholic beverage comprising the steps of preparing an inoculum of yeast pretreating cashew apples and raisins crushing the pretreated cashew apples and raisins to obtain cashew apple juice and raisin juice removing tannins from the cashew apple juice mixing the cashew apple juice with the raisin juice to obtain a juice mix having a sugar content of 20-30 Brix fermenting the juice mix with the yeast inoculum for 20-30 days to obtain the alcoholic beverage reducing the malic acid content of the alcoholic beverage by malolactic fermentation for 15-25 days and filtering the alcoholic beverage using fining agents.

No. of Pages: 24 No. of Claims: 18

(21) Application No.7523/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : FUSION PROTEINS AND COMBINATION VACCINES COMPRISING HAEMOPHILUS INFLUENZAE PROTEIN E AND PILIN A

(51) International classification :C07K19/00,A61K39/145,A61K39/385

(31) Priority Document No:61/474779

(31) Priority Document No.61/4/4/79
(32) Priority Date :13/04/2011
(33) Name of priority

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

(86) International PCT/CA2012/050236 Application No

Filing Date :12/04/2012

(87) International Publication No :WO 2012/139225

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

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

1)GLAXOSMITHKLINE BIOLOGICALS S.A.

Address of Applicant :Rue de lInstitut 89 B 1330 Rixensart

Belgium

(72)Name of Inventor: 1)BLAIS Normand

2)LABBE Steve

3)POOLMAN Jan

# (57) Abstract:

Haemophilus influenzaeThe present invention relates to compositions comprising Protein E and Pilin A. More particularly the present application relates to fusion proteins and immunogenic compositions comprising Protein E and PilA vaccines comprising such immunogenic compositions and therapeutic uses of the same.

No. of Pages: 128 No. of Claims: 44

(22) Date of filing of Application :06/02/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR WIRELESS DEVICE AUTHENTICATION AND ASSOCIATION

(51) International classification :H04W12/06,H04W88/02 (71)Name of Applicant : (31) Priority Document No 1)INTEL CORPORATION :12/889674 (32) Priority Date Address of Applicant :2200 Mission College Boulevard Santa :24/09/2010 (33) Name of priority country Clara California 95052 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2011/053180 1)CORDEIRO Carlos Filing Date :24/09/2011 (87) International Publication No :WO 2012/040686 2)TRAININ Solomon

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

(57) Abstract:

Methods and devices controlling association and/or authentication of wireless devices. At a first wireless device which is unassociated and unauthenticated with a second device a state variable representing the second device may be stored where the variable indicates that the second device is unassociated and unauthenticated with the first device. A message may be received from the second device requesting to associate. The variable may be changed to indicate that the second device is associated and unauthenticated. A message may be received from the second device requesting to authenticate and the state variable may be changed to indicate that the second device is authenticated. In some cases a wireless device stores variable(s) representing a second device the variables indicating that the second device is unassociated and unauthenticated receives a message from the second device requesting authentication and changes a state variable to indicate that the second device is authenticated.

No. of Pages: 27 No. of Claims: 25

(21) Application No.7496/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :16/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A POWDER MIX AND A METHOD FOR PRODUCING A BUILDING PANEL

(51) International classification	:B32B5/16,B32B21/08	(71)Name of Applicant:
(31) Priority Document No	:11503216	1)V,,LINGE INNOVATION AB
(32) Priority Date	:12/04/2011	Address of Applicant :Prstavgen 513 SE 263 65 Viken
(33) Name of priority country	:Sweden	Sweden
(86) International Application No	:PCT/SE2012/050384	(72)Name of Inventor:
Filing Date	:11/04/2012	1)Ziegler Gran
(87) International Publication No	:WO 2012/141646	2)Rittinge Rickard
(61) Patent of Addition to Application	:NA	3)Persson Hans
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A powder mix layer for a building panel and a method for producing a building panel with a decorative surface produced from a powder mix layer with a controlled loss on cure.

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

(19) INDIA

(22) Date of filing of Application :27/09/2013

(21) Application No.7873/CHENP/2013 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: A FIXTURE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Document No (34) Priority Document No (35) Priority Document No (36) International Application No (37) Priority Document No (38) Priority Document No (39) Priority Document No (31) Priority Document No (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (37) Priority Date (38) Priority Date (39) Priority Date (31) Priority IH AB (31) Address of Applicant : Aminogatan 1 S 431 21 Mlndal S (72) Name of Inventor: (72) Name of Inventor: (72) Name of Inventor: (73) Priority Date (74) Priority Date (75) Priority Country (76) Priority Country (77) Name of Inventor: (78) Priority Country (79) Priority Country (70) Priority Country (71) Priority Country (72) Name of Inventor: (73) Priority Country (74) Priority Country (75) Priority Country (76) Priority Country (77) Priority Country (78) Priority Country (79) Priority Country (70) Priority Country (70) Priority Country (71) Priority Country (72) Priority Country (73) Priority Country (74) Priority Country (75) Priority Country (76) Priority Country (77) Priority Country (78) Priority Country (79) Priority Country (70) Priority Country (70) Priority Country (70) Priority Country (71) Priority Country (72) Priority Country (73) Priority Country (74) Priority Country (75) Priority Country (76) Priority Country (77) Priority Country (78) Priority Country (79) Priority Country (79) Priority Country (70) Priority Country (70) Priority Country (71) Priority Country (72) Priority Country (73) Priority Country (74) Priority Country (75) Priority Country (76) Priority Country (77) Priority Country (78) Priority Country (79) Priority Country (79) Priority Country (70) Priorit	weden
Filing Date :12/04/2012 2)HALLDIN Anders	
(87) International Publication No :WO 2012/140166	
(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 fixture for insertion into a bore hole arranged in bone tissue comprising a threaded leading portion and a threaded trailing portion located coronally of the leading portion wherein the threading of the leading portion has at least one first thread spiral wherein the threading of the trailing portion has at least one more thread spiral than the threading in the leading portion wherein the threading of the trailing portion and the threading of the leading portion have the same or substantially the same lead wherein the profile of at least one of the thread spirals in the trailing portion is at least along a portion of its length substantially the same as the profile of the outermost parts of said first thread spiral in the leading portion and wherein the at least one thread spiral in the trailing portion having substantially the same profile as the outermost part of said first thread spiral in the leading portion is arranged to follow the spiral path of that thread spiral.

No. of Pages: 42 No. of Claims: 14

(21) Application No.7878/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention : MICROORGANISMS FOR PRODUCING METHACRYLIC ACID AND METHACRYLATE ESTERS AND METHODS RELATED THERETO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:30/03/2012 :WO 2012/135789 :NA	(71)Name of Applicant:  1)GENOMATICA INC.  Address of Applicant:10520 Wateridge Circle San Diego CA 92121 U.S.A. (72)Name of Inventor:  1)BURK Mark J.  2)BURGARD Anthony P.  3)OSTERHOUT Robin E.  4)SUN Jun
(87) International Publication No	:WO 2012/135789	2)BURGARD Anthony P.
Filing Date	:NA	4)SUN Jun 5)PHARKYA Priti
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides a non naturally occurring microbial organism having a methacrylic acid methacrylate ester 3 hydroxyisobutyrate and/or 2 hydroxyisobutyrate pathway. The microbial organism contains at least one exogenous nucleic acid encoding an enzyme in a methacrylic acid pathway. The invention additionally provides a method for producing methacrylic acid methacrylate ester 3 hydroxyisobutyrate and/or 2 hydroxyisobutyrate. The method can include culturing methacrylic acid methacrylate ester 3 hydroxyisobutyrate and/or 2 hydroxyisobutyrate producing microbial organism where the microbial organism expresses at least one exogenous nucleic acid encoding a methacrylic acid pathway enzyme in a sufficient amount to produce methacrylate ester 3 hydroxyisobutyrate and/or 2 hydroxyisobutyrate under conditions and for a sufficient period of time to produce methacrylic acid methacrylate ester 3 hydroxyisobutyrate and/or 2 hydroxyisobutyrate.

No. of Pages: 317 No. of Claims: 46

(22) Date of filing of Application: 13/08/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: A METHOD FOR NOTIFYING EVENTS TO A USER THROUGH AN INTERACTIVE TICKER

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No. 66/1,
(33) Name of priority country	:NA	Bagmane Tech Park, CV Raman Nagar, Byrasandra, Bangalore
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Kousik Nandi
(61) Patent of Addition to Application Number	:NA	2)Ramkumar Thirumalli Sureshsah
Filing Date	:NA	3)Diwakar Sharma
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for notifying events to a user of an electronic device without interrupting the user through an interactive ticker. The method provides an interactive ticker for notifying the events to the user. The events may include but not limited to an incoming call, video call and a Multimedia Message Service (MMS). The user can perform actions on the interactive ticker without closing the applications that are running on the electronic device. When the user interacts with the interactive ticker that notifies the events, certain functions are performed by the electronic device in response to the actions performed by the user. The interactive ticker is displayed to the user in a small portion of the screen on the electronic device without any inconvenience to the user. The user can simultaneously perform actions on the interactive ticker and can continue the applications running on the electronic device. FIG. 2

No. of Pages: 51 No. of Claims: 14

(22) Date of filing of Application :01/12/2011 (43) Publication Date: 20/02/2015

(21) Application No.4170/CHE/2011 A

(54) Title of the invention: PROCESS FOR ALVIMOPAN

(51) International classification :C07 (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 Filing Date :NA	1)HETERO RESEARCH FOUNDATION Address of Applicant :HETERO DRUGS LIMITED, HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES,SANATH NAGAR, HYDERABAD-500018, ANDHRA PRADESH, INDIA (72)Name of Inventor:
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# (57) Abstract:

(19) INDIA

The present invention provides a novel process for the purification of alvimopan. In accordance with the present invention alvimopan was dissolved in dimethylformamide and heated to 120 to 125°C, and then added n-butanol at room temperature, the contents were stirred for 15 hours, filtered and then dried to obtain pure alvimopan.

No. of Pages: 14 No. of Claims: 4

(22) Date of filing of Application :22/08/2013 (43) Publication Date: 20/02/2015

### (54) Title of the invention: FILTER FOR WATER TREATMENT FILTERING AND METHOD FOR PRODUCING SAME

(51) International :B01D69/02,B01D69/00,B01D71/36 classification

(31) Priority Document No :2011055854 (32) Priority Date :14/03/2011 (33) Name of priority country: Japan

(86) International :PCT/JP2012/056604

Application No :14/03/2012

Filing Date

(87) International Publication :WO 2012/124745 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)W.L. GORE & ASSOCIATES CO. LTD.

Address of Applicant: 1 8 15 Konan Minato ku Tokyo

1080075 Japan

(72)Name of Inventor: 1)OGURA Tomoka 2)YAMAKAWA Keiichi

#### (57) Abstract:

The problem addressed by the present invention is to provide: a filter for water treatment filtering having a long use life and having the mutually contrary characteristics of being hydrophilic and chemical resistant; and a method for producing the filter. The filter for water treatment filtering is characterized by: comprising a porous substrate having a hydrophilic coating layer; the hydrophilic coating layer having a high electron density site and a cross linked hydrophilic polymer; the hydrophilic polymer in the cross linked hydrophilic polymer being cross linked by a saturated aliphatic hydrocarbon group that may contain at least one functional group selected from the group consisting of an ether group a hydroxyl group and an amine group; and the high electron density site having p electrons and being covalently bonded to the cross linked hydrophilic polymer.

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

(21) Application No.7259/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :10/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: IMAGE FORMING APPARATUS AND IMAGE FORMING METHOD

(51) International classification	:G03G15/16	(71)Name of Applicant:
(31) Priority Document No	:2011061680	1)RICOH COMPANY LIMITED
(32) Priority Date	:18/03/2011	Address of Applicant :3 6 Nakamagome 1 chome Ohta ku
(33) Name of priority country	:Japan	Tokyo 1438555 Japan
(86) International Application No	:PCT/JP2012/057656	(72)Name of Inventor:
Filing Date	:16/03/2012	1)TANAKA Shinya
(87) International Publication No	:WO 2012/128373	2)SUGIMOTO Naomi
(61) Patent of Addition to Application	:NA	3)IIMURA Haruo
Number	:NA	4)AOKI Shinji
Filing Date	.11/1	5)OGINO Yasuhiko
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An image forming apparatus includes a transfer member configured to abut against an image carrier for carrying a toner image to form a transfer nip; and a power supply configured to output a bias voltage for transferring the toner image on the image carrier onto a recording medium nipped in the transfer nip. The bias voltage includes a first voltage for transferring the toner image from the image carrier onto the recording medium in a transfer direction and a second voltage having an opposite polarity of the first voltage the first and the second voltages being alternately output. A time averaged value of the bias voltage is set to a polarity in the transfer direction and is set in the transfer direction side with respect to a median between a maximum and a minimum of the bias voltage.

No. of Pages: 100 No. of Claims: 13

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : MICROFLUIDIC SYSTEM FOR CONTROLLING A CONCENTRATION PROFILE OF MOLECULES CAPABLE OF STIMULATING A TARGET

(51) International classification: B01L3/00,C12M3/06,G01N33/50 (71)Name of Applicant: (31) Priority Document No 1)CENTRE NATIONAL DE LA RECHERCHE :1100660 (32) Priority Date :04/03/2011 SCIENTIFIQUE (33) Name of priority country Address of Applicant :3 rue Michel Ange F 75016 Paris :France (86) International Application :PCT/IB2012/051001 2)ECOLE NORMALE SUPERIEURE :02/03/2012 Filing Date 3)UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6) (87) International Publication (72)Name of Inventor: :WO 2012/120424 No 1)DAHAN Maxime (61) Patent of Addition to 2)MOREL Mathieu :NA **Application Number** 3)GALAS Jean Christophe :NA Filing Date 4)STUDER Vincent (62) Divisional to Application 5)BARTOLO Denis :NA Number :NA Filing Date

# (57) Abstract:

The invention relates to a microfluidic system for controlling a concentration profile of molecules capable of stimulating a target for example formed by an assembly of living cells this system comprising: a microfluidic device (1) comprising at least one microfluidic channel (4) equipped with at least one inlet orifice (21) and with at least one outlet orifice (22) for at least one fluid; at least one means for supplying the microfluidic channel (4) with at least one fluid comprising molecules capable of stimulating the target; at least one chamber (8) or another microfluidic channel comprising a base (6) intended to receive the target; and at least one microporous membrane (5) separating the chamber (8) or the other microfluidic channel from the microfluidic channel (4) said microporous membrane (5) being positioned away from the base (6) so that when the supply means provides the microfluidic channel (4) with said at least one fluid flowing in laminar flow in contact with the microporous membrane (5) the molecules capable of stimulating the target then diffuse after having passed through the microporous membrane (5) through the chamber (8) or said other microfluidic channel in order to finally form a stable concentration profile in this chamber (8) or this other microfluidic channel.

No. of Pages: 32 No. of Claims: 14

(22) Date of filing of Application :26/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NANOSTRUCTURES SYSTEMS AND METHODS FOR PHOTOCATALYSIS

(51) International classification :C01B13/00,C01B3/00 (71)Name of Applicant : (31) Priority Document No 1)SUN CATALYTIX CORPORATION :61/478364 (32) Priority Date Address of Applicant :325 Vassar Street Suite 1A Cambridge :22/04/2011 (33) Name of priority country :U.S.A. MA 02139 U.S.A. (86) International Application No :PCT/US2012/034442 (72)Name of Inventor: 1) REECE Steven Y. Filing Date :20/04/2012 (87) International Publication No :WO 2012/145622 2)JARVI Thomas Daniel (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention generally relates to nanostructures and compositions comprising nanostructures methods of making and using the nanostructures and related systems. In some embodiments a nanostructure comprises a first region and a second region wherein a first photocatalytic reaction (e.g. an oxidation reaction) can be carried out at the first region and a second photocatalytic reaction (e.g. a reduction reaction) can be carried out at the second region. In some cases the first photocatalytic reaction is the formation of oxygen gas from water and the second photocatalytic reaction is the formation of hydrogen gas from water. In some embodiments a nanostructure comprises at least one semiconductor material and in some cases at least one catalytic material and/or at least one photosensitizing agent.

No. of Pages: 109 No. of Claims: 88

(22) Date of filing of Application :05/10/2012 (43) Publication Date : 20/02/2015

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

(51) International classification	:A01N33/02,A61K31/13	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :Plot No. B 80 & 81 A.P.I.E. Balanagar
(33) Name of priority country	:NA	Hyderabad Andhrapradesh 500 018 Andhra Pradesh India
(86) International Application No	:PCT/IN2010/000230	(72)Name of Inventor:
Filing Date	:08/04/2010	1)PARTHASARADHI REDDY Bandi
(87) International Publication No	:WO 2011/125062	2)RATHNAKAR REDDY Kura
(61) Patent of Addition to Application	:NA	3)MURALIDHARA REDDY Dasari
Number	:NA	4)RAJI REDDY Rapolu
Filing Date	.INA	5)RAMAKRISHNA REDDY Matta
(62) Divisional to Application Number	:NA	6)VAMSI KRISHNA Bandi
Filing Date	:NA	

# (57) Abstract:

The present invention provides an improved process for the preparation of 1 bromo 3 5 dimethyladamantane. The present invention also provides a process for preparing free flowing solid of 1 acetamido 3 5 dimethyladamantane. The present invention further provides a process for the preparation of memantine hydrochloride substantially free of 1 amino 3 5 7 trimethyladamantane hydrochloride and/or 1 amino 3 methyladamantane hydrochloride impurity.

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

(21) Application No.8331/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :15/10/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS OF UTF 8 PATTERN MATCHING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:27/03/2012 :WO 2012/135222 :NA	(71)Name of Applicant:  1)CITRIX SYSTEMS INC.  Address of Applicant:851 West Cypress Creek Road Fort Lauderdale FL 33309 U.S.A. (72)Name of Inventor:  1)DHULIPALA Siva Kiran 2)VERNON Steven Craig
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods are described for efficiently processing searching and/or rewriting variable width encoded data such as UTF 8 encoded data will be described. Embodiments of the systems and methods modify and adapt search algorithms such as the Horspool and Wu Manber algorithms to efficiently process and manage searching of variable width encoded text in large blocks of text such as text that may be carried via a stream of packets thru a network device such as an intermediary device.

No. of Pages: 160 No. of Claims: 20

(21) Application No.8332/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :15/10/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: FIRE PROOF ORIENTED STRAND BOARD AND ITS MANUFACTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B27N9/00 :PCT/IB2011/051739 :20/04/2011 :PCT :PCT/IB2012/052005 :20/04/2012 :WO/2012/143907 :NA :NA	(71)Name of Applicant:  1)GRIEM, JOHN  Address of Applicant: RYVANGS ALLE 52, DK-2900  HELLERUP Denmark (72)Name of Inventor:  1)GRIEM, JOHN
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention pertains to a method of manufacturing a fire proof board from strands of wood, the method comprising the following steps in the given order: (a) providing strands of wood having a humidity between 5% and 25%, preferably be- tween 5% and 20%, even more preferably between 8% and 20%, (b) immersing the strands of wood in a watery solution of a flame retardant chemical composition, (c) separating the strands of wood from each other, (d) at least in part drying the strands of wood thereby providing dry impregnated strands of wood, (e) applying an adhesive to the strands of wood, and (f) forming a board of a predetermined shape from the strands. The invention furthermore pertains to a board formed by a plurality of strands of wood that are compressed and bonded together with an adhesive, wherein the board further comprises a flame retardant chemical composition, said composition comprising a phosphate compound.

No. of Pages: 31 No. of Claims: 24

(21) Application No.3599/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : A METHOD AND DEVICE FOR INCORPORATING SMELL OF GEOLOCATION OBJECTS IN AN IMAGE

(71) 7	G0.6G	
(51) International classification	:G06C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No. 66/1,
(33) Name of priority country	:NA	Bagmane Tech Park, CV Raman Nagar, Byrasandra, Bangalore
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Nitin Upadhyay
(61) Patent of Addition to Application Number	:NA	2)Arabinda Verma
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and device for incorporating one or more objects smell along with corresponding geolocation of one or more objects in an image while capturing is disclosed. The method senses smell signals associated with one or more objects in the image. Further, the method processes smell signal, and corresponding at least one object in the image to generate unique index corresponding to the smell of geolocation object, and digital patterns of one or more objects in the image respectively. Furthermore, the method combines generated digital patterns of one or more objects and unique index corresponding to the smell of geolocation object to generate a digital image file. Further the device is capable of dispensing smell associated with one or more objects along with their respective geolocations.

No. of Pages: 30 No. of Claims: 17

(21) Application No.6905/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CEA 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 Filing Date</li> </ul>	:C07K16/30 :11156665.9 :02/03/2011 :EPO :PCT/EP2012/053390 :29/02/2012 :WO 2012/117002 :NA :NA :NA	(71)Name of Applicant:  1)ROCHE GLYCART AG Address of Applicant: Wagistrasse 18 CH 8952 Schlieren Switzerland (72)Name of Inventor: 1)HOFER Thomas U. 2)HOSSE Ralf 3)MOESSNER Ekkehard 4)UMANA Pablo
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### (57) Abstract:

The present invention provides antigen binding molecules (ABMs) which bind membrane bound CEA including ABMs with improved therapeutic properties and methods of using the same.

No. of Pages: 217 No. of Claims: 45

(21) Application No.7280/CHENP/2013 A

1)CHUGAI SEIYAKU KABUSHIKI KAISHA

Address of Applicant :5 1 Ukima 5 chome Kita ku Tokyo

(19) INDIA

(22) Date of filing of Application: 10/09/2013 (43) Publication Date: 20/02/2015

# (54) Title of the invention: RECOMBINANT POLYPEPTIDE PRODUCTION METHOD

(51) International :C12P21/02,A61K38/00,A61K39/395 classification

(31) Priority Document No :2011082002 (32) Priority Date :01/04/2011

(33) Name of priority :Japan country

(86) International :PCT/JP2012/058577

Application No :30/03/2012 Filing Date

(87) International

:WO 2012/137683 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA 1158543 Japan (72)Name of Inventor: 1)TABUCHI Hisahiro

(71)Name of Applicant:

2)SUGIYAMA Tomoya

# (57) Abstract:

Filing Date

Provided is a method capable of producing a protein in a large amount using cultured animal cells comprising culturing cells expressing APES (antibody production enhancing sequence) and transfected with a DNA encoding a desired polypeptide thereby producing the desired polypeptide. APES contains a base sequence related to NfkBia and has a function of decreasing the intracellular expression of NfkBia.

No. of Pages: 61 No. of Claims: 20

(21) Application No.3641/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: GRAPHENE QUANTUM DOTS, THEIR COMPOSITES AND PREPARATION OF THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G06F :NA :NA :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology Madras Address of Applicant: Chennai, Tamil Nadu 600036, India Tamil Nadu 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 :NA	1)SUNDARA, Ramaprabhu 2)BABY, Tessy Theres 3)KANIYOOR, Adarsh

## (57) Abstract:

Procedures for the synthesis of zero dimension GQDs based on exfoliation/reduction of surface passivated functionalized graphite oxide (f-GO PEG) are described. The synthesis procedures can include exfoliation/reduction f-GO PEG in presence of hydrogen gas, using focused solar radiation and under vacuum.

No. of Pages: 40 No. of Claims: 10

(21) Application No.3642/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

### (54) Title of the invention: LOW LATENCY GPS RECEIVER

(51) International classification	:G01S	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAMSUNG R&D INSTITUTE INDIA BANGALORE
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :# 2870, ORION Building, Bagmane
(86) International Application No	:NA	Constellation Business Park, Outer Ring Road, Doddanakundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore-560 037 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BABU, Swarna Ravindra
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A low latency global positioning system (GPS) receiver is disclosed. In one embodiment, a GPS receiver computes coarse estimate values of carrier frequency and pseudo random noise code phase of a GPS signal received from a GPS satellite. The GPS receiver computes fine estimate value of carrier frequency using coarse estimate values of the carrier frequency and the pseudo random noise code phase and the received GPS signal. The GPS receiver tracks fine variations in the carrier frequency and the pseudo random noise code phase of the GPS signal based on the computed fine estimate value of the carrier frequency and the computed coarse estimate value of the pseudo random noise code phase. Moreover, the GPS receiver determines position and velocity of the GPS receiver based on the fine variations in the carrier frequency and the pseudo random noise code phase of the GPS signal.

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

(21) Application No.7652/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :20/09/2013 (43) Publication Date: 20/02/2015

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

(51) International :F01N3/023,B01D46/00,F01N3/025 classification

(31) Priority Document No :PCT/FI2011/050225

(32) Priority Date :16/03/2011 (33) Name of priority country: Finland

(86) International Application :PCT/FI2012/050247

:16/03/2012

Filing Date (87) International Publication :WO 2012/123643

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)ECOCAT OY

Address of Applicant :PL 20 FI 41331 Vihtavuori Finland

(72)Name of Inventor: 1)H,,RK-NEN Matti 2)MATILAINEN Pekka 3)HYPP-NEN Olli Pekka

4)H,,NNINEN Hannu

(57) Abstract:

The invention relates to a purification device (PD) for removing impurities such as carbon containing particles and hydrocarbons from exhaust and waste gas. The invention also relates to a method for manufacturing and to a method to use and regenerate such a purification device. The purification device (PD) additionally comprises at least one ignition elements (IE) before said open particle separator (OPS) in flow direction for periodically igniting collected and flowing gas impurities and there is at least one open channel or chamber (CHA) between said ignition element(s) (IE) and open particle separator (OPS).

No. of Pages: 41 No. of Claims: 33

(21) Application No.7502/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SUBSTITUTED AROMATIC SULFUR COMPOUNDS

(51) International classification :C07D213/57,C07D213/70,C07D215/36 (31) Priority Document No :61/446246 (32) Priority Date :24/02/2011

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

(86) International :PCT/US2012/026274

Application No Filing Date :23/02/2012

(87) International Publication No :WO 2012/116151

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant: 1)CEPHALON INC.

Address of Applicant :41 Moores Road P.O. Box 4011 Frazer Pennsylvania 19355 U.S.A.

2)UNIVERSITY OF HAWAII

3)UNIVERSITY OF UTAH RESEARCH FOUNDATION

(72)Name of Inventor:
1)DORSEY Bruce
2)KUWADA Scott K.
3)THEROFF Jay P.
4)ZIFICSAK Craig A.

(57) Abstract:

Compounds of formula II are described wherein D n R R and R are as herein defined along with pharmaceutical compositions and methods of using compounds of formula II for treating or reducing the risk of peritoneal carcinomatosis in a patient.

No. of Pages: 110 No. of Claims: 60

(22) Date of filing of Application :20/09/2013

(43) Publication Date: 20/02/2015

# (54) Title of the invention: SYSTEM FOR ALLOCATING FLUID FROM MULTIPLE PUMPS TO A PLURALITY OF HYDRAULIC FUNCTIONS ON A PRIORITY BASIS

(51) International classification: F15B11/16,F15B11/17,E02F9/22 (71) Name of Applicant: (31) Priority Document No :61/452885 (32) Priority Date :15/03/2011 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2012/029177

:15/03/2012

Filing Date (87) International Publication

:WO 2012/125794

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

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

1)HUSCO INTERNATIONAL INC.

Address of Applicant: 2239 Pewaukee Road Waukesha WI

53187 0257 U.S.A.

(72)Name of Inventor: 1)QUINNELL Corey K. 2)PFAFF Joseph L.

3)STARKEY Jonathan Michael

4)HAMKINS Eric P.

### (57) Abstract:

A valve assembly (40) has a flow summation node (74) coupled to a displacement control (39) port of the first pump (50). Each valve (41 47) in the assembly has a variable metering orifice (75) controlling flow from an inlet (70) to a hydraulic actuator and has a variable source orifice (64) conveying fluid from a supply conduit (58) to a flow summation node. The source orifice enlarges as the metering orifice shrinks. Each valve includes a variable bypass orifice (80) and the bypass orifices of all the control valves are connected in series forming a bypass passage (85) between a bypass node (55) and a tank (53). The bypass node is coupled to the flow summation node and receives fluid from a second pump (51). At each valve a source check valve (68) conveys fluid from the supply conduit to the inlet and a bypass supply check valve (89) conveys fluid from the bypass passage to the inlet.

No. of Pages: 46 No. of Claims: 36

(21) Application No.8189/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :09/10/2013 (43) Publication Date: 20/02/2015

## (54) Title of the invention: MESH ENCLOSED TISSUE CONSTRUCTS

(51) International :A61K9/70,A61L27/54,A61L27/38 classification

(31) Priority Document No :61/466882 (32) Priority Date :23/03/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/000159

:23/03/2012 Filing Date

(87) International Publication

:WO 2013/025239 No

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

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

:NA

(71)Name of Applicant:

1) THE REGENTS OF THE UNIVERSITY OF

**CALIFORNIA** 

Address of Applicant: 1111 Franklin Street Twelfth Floor

Oakland CA 94607 5200 U.S.A.

(72)Name of Inventor:

1)ALAVI Sevedhamed 2)KHERADVAR Arash

### (57) Abstract:

Described is a scaffold that is strong enough to resist forces that exist inside a body while possessing biocompatible surfaces. The scaffold is formed of a layer of mesh (e.g. Stainless Steel or Nitinol) that is tightly enclosed by a multi layer biological matrix. The biological matrix can include three layers such a first layer (smooth muscle cells) formed directly on the metal mesh a second layer (fibroblast/myofibroblast cells) formed on the first layer and a third layer (endothelial cells) formed on the second layer. The scaffold can be formed to operate as a variety of tissues such as a heart valve or a vascular graft. For example the mesh and corresponding biological matrix can be formed as leaflets such that the scaffold is operable as a tissue heart valve.

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

(22) Date of filing of Application :23/03/2011 (43) Publication Date : 20/02/2015

# (54) Title of the invention: POLYMORPHS OF LENALIDOMIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HETERO, RESEARCH FOUNDATION Address of Applicant: HETERO DRUGS LIMITED, HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES, SANATH NAGAR, HYDERABAD - 500 018 Andhra Pradesh India (72)Name of Inventor: 1)PARTHASARADHI REDDY, BANDI 2)RATHNAKAR REDDY, KURA 3)MURALIDHARA REDDY, DASARI 4)RAMAKRISHNA REDDY, MATTA 5)VAMSI KRISHNA, BANDI
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## (57) Abstract:

The present invention provides a novel crystalline Form of lenalidomide, process for its preparation and pharmaceutical compositions comprising it. The present invention also provides a novel N-methylpyrrolidone solvate of lenalidomide and process for its preparation.

No. of Pages: 16 No. of Claims: 15

(21) Application No.7415/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/09/2013 (43) Publication Date: 20/02/2015

### (54) Title of the invention: NOVEL IMMUNOCONJUGATES

(51) International :C07K14/55,C12N15/26,A61K39/395 classification

(31) Priority Document No :11164237.7 (32) Priority Date :29/04/2011

(33) Name of priority :EPO

country

(86) International :PCT/EP2012/057587

Application No :26/04/2012 Filing Date

(87) International

:WO 2012/146628 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)ROCHE GLYCART AG

Address of Applicant : Wagistrasse 18 CH 8952 Schlieren

Switzerland

(72)Name of Inventor:

1)AST Oliver

2)BRUENKER Peter 3)HOFER Thomas U. 4)HOSSE Ralf

5)KLEIN Christian

6)MOESSNER Ekkehard

7) UMANA Pablo

## (57) Abstract:

The present invention generally relates to antigen specific immunoconjugates for selectively delivering effector moieties that influence cellular activity. More specifically the invention provides novel immunoconjugates comprising a first antigen binding moiety an Fc domain and a single effector moiety. In addition the present invention relates to polynucleotides encoding such immunoconjugates and vectors and host cells comprising such polynucleotides. The invention further relates to methods for producing the immunoconjugates of the invention and to methods of using these immunoconjugates in the treatment of disease.

No. of Pages: 404 No. of Claims: 82

(22) Date of filing of Application :28/10/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : IMPROVED METHOD FOR THE PRODUCTION OF A CEMENT MORTAR BODY AND UNIT FOR THE PRODUCTION THEREOF

(51) International classification: C04B28/06, C04B14/04, B28C5/08 (71) Name of Applicant: (31) Priority Document No 1)FRADERA PELLICER Carlos :P201130642 (32) Priority Date :20/04/2011 Address of Applicant : Residencial El Cortalet Edificio A. (33) Name of priority country Esc.E 2º 3ª Laldosa la Massana Andorra :Spain (86) International Application (72)Name of Inventor: :PCT/ES2012/070265 1)FRADERA PELLICER Carlos :20/04/2012 Filing Date (87) International Publication :WO 2012/143593 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

(57) Abstract:

Filing Date

Number

(62) Divisional to Application

:NA

:NA

The invention relates to a method and unit for the production of a cement mortar body (2) moulded with a cement mortar. According to the invention the following elements are introduced into a vertical mixer provided with a drain in the flat base thereof namely: a quantity of water corresponding to a quantity between 29 wt. % and 32 wt. % of the cement mass followed by additives and colourants; a quantity of aggregate having a rounded surface a grain size distribution of between 0.1 and 1 mm and a silica content of 99.5%; and a quantity of cement with particles of the order of 5 microns corresponding to between 27 wt. % and 37 wt. % of the total dry mass of the aggregate and cement. The mixing operation is continued until a completely homogeneous mass is obtained with full hydration of the cement and said mass is poured into a mould.

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

(10) 7.77.

(21) Application No.8648/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/10/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : PROSTATE SPECIFIC MEMBRANE ANTIGEN BINDING PROTEINS AND RELATED COMPOSITIONS AND METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07K16/00 :61/478449 :22/04/2011 :U.S.A. :PCT/US2012/034575 :20/04/2012 :WO 2012/145714 :NA :NA :NA	(71)Name of Applicant:  1)EMERGENT PRODUCT DEVELOPMENT SEATTLE LLC  Address of Applicant: 2401 Fourth Avenue Suite 1050 Seattle WA 98121 U.S.A. (72)Name of Inventor:  1)BLANKENSHIP John W. 2)SEWELL Elaine Todd 3)TAN Philip
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## (57) Abstract:

The present invention relates to mono specific and multi specific polypeptide therapeutics that specifically target cells expressing prostate specific membrane antigen (PSMA) and are useful for the treatment of prostate cancer (e.g. castrate resistant prostate cancer) tumor related angiogenesis or benign prostatic hyperplasia (BPH). In one embodiment the multi specific polypeptide therapeutics bind both PSMA expressing cells and the T cell receptor complex on T cells to induce target dependent T cell cytotoxicity activation and proliferation.

No. of Pages: 130 No. of Claims: 153

(21) Application No.7557/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/09/2013 (43) Publication Date: 20/02/2015

## (54) Title of the invention: RUBBER COMPOSITION AND PNEUMATIC TIRE

(51) International classification :C08L9/00,C08F8/00,C08K3/36 (71)Name of Applicant :

(31) Priority Document No :2011102251 (32) Priority Date :28/04/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/061345

Filing Date :27/04/2012 (87) International Publication No: WO 2012/147912

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

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

1)SUMITOMO RUBBER INDUSTRIES LTD.

Address of Applicant :6 9 Wakinohama cho 3 chome Chuo ku

Kobe shi Hyogo 6510072 Japan

(72)Name of Inventor: 1)MABUCHI Takahiro 2)TANAKA Tatsuhiro 3)NISHIOKA Kazuyuki 4) UESAKA Kenichi

#### (57) Abstract:

Provided are a rubber composition that can improve fuel efficiency wet grip performance wear resistance and kneading workability in a well balanced manner and a pneumatic tire using the rubber composition. This rubber composition contains a rubber component and silica and is characterized in that: in 100% by mass of the rubber component the content of a high cis polybutadiene is 10 70% by mass and the content of a conjugated diene polymer that includes a structural unit based on a conjugated diene and a structural unit represented by formula (I) is 30 90% by mass the high cis polybutadiene having a cis content of 95% by mass or greater and satisfying the requirements that (A) the Mooney viscosity (ML) is 40 49 (B) the molecular weight distribution (weight average molecular weight (Mw)/number average molecular weight (Mn)) is 3.0 3.9 and (C) the velocity dependent index of the Mooney viscosity (the n value in equation (1)) is 2.3 3.0 the conjugated diene polymer having at least one end thereof modified by a specific compound; and the content of silica to 100 parts by mass of the rubber component is 5 150 parts by mass. Equation (1): log(ML)=log(K)+n—log(RS). (In the equation RS represents the number of revolutions of a rotor per minute K represents an arbitrary number and ML represents the Mooney viscosity.)

No. of Pages: 125 No. of Claims: 13

(22) Date of filing of Application :04/09/2013

(43) Publication Date: 20/02/2015

13)SATOH Yoshitaka

14)TIKHE Jayashree

15)YOON Won Hyung 16)DELGADO Mercedes

# (54) Title of the invention: SUBSTITUTED DIAMINOCARBOXAMIDE AND DIAMINOCARBONITRILE PYRIMIDINES COMPOSITIONS THEREOF AND METHODS OF TREATMENT THEREWITH

(71)Name of Applicant: 1)SIGNAL PHARMACEUTICALS LLC (51) International :C07D239/48.C07D405/02.C07D401/12 Address of Applicant: 4550 Towne Centre Court San Diego classification CA 92121 U.S.A. (31) Priority Document :61/478076 (72)Name of Inventor: No 1)BENNETT Brydon L. (32) Priority Date :22/04/2011 2)ELSNER Jan (33) Name of priority :U.S.A. 3)ERDMAN Paul country 4)HILGRAF Robert (86) International :PCT/US2012/034349 5)LEBRUN Laurie Ann Application No :20/04/2012 6)MCCARRICK Meg Filing Date 7)MOGHADDAM Mehran F. (87) International :WO 2012/145569 8)NAGY Mark A. Publication No 9)NORRIS Stephen (61) Patent of Addition to :NA 10)PAISNER David A. **Application Number** 11)SLOSS Marianne :NA Filing Date 12)ROMANOW William J. (62) Divisional to

## (57) Abstract:

**Application Number** 

Filing Date

Provided herein are Diaminopyrimidine Compounds having the following structures: wherein R R R and R are as defined herein compositions comprising an effective amount of a Diaminopyrimidine Compound and methods for treating or preventing liver fibrotic disorders or a condition treatable or preventable by inhibition of a JNK pathway.

No. of Pages: 347 No. of Claims: 59

:NA

:NA

(21) Application No.7384/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 20/02/2015

# (54) Title of the invention: NON PLEATED TUBULAR DEPTH FILTER HAVING FINE FIBER FILTRATION MEDIA

(51) International :B01D63/06,B01D69/02,B01D69/12 classification :B01D63/06,B01D69/02,B01D69/12 (31) Priority Document No :61/308488 (32) Priority Date :26/02/2010 (33) Name of priority country:U.S.A.

Application No :PCT/US2011/026096

Filing Date :24/02/2011

(87) International Publication :WO 2011/106540

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date

((2) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant : 1)CLARCOR INC.

Address of Applicant :840 Cresent Drive Suite 600 Franklin

Tennessee 37067 U.S.A. (72)Name of Inventor: 1)GREEN Thomas B.

2)LI Lei

3)KROGUE John A.

## (57) Abstract:

A non pleated depth filter element in the form of a tubular ring of depth filter media is provided. Multiple wraps of sheets some including fine fibers are employed. The depth filter element has particular applications to liquid filtration applications.

No. of Pages: 80 No. of Claims: 44

(21) Application No.7525/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :17/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ENDOPROSTHESIS DELIVERY SYSTEM

## (57) Abstract:

The present disclosure relates to catheters for delivering medical devices to a human patient s vasculature. A catheter comprises a sock which covers the medical device at the end of the catheter and an introducer sheath which is reduced in diameter. This reduced diameter introducer sheath minimizes the crossing of the catheter.

No. of Pages: 17 No. of Claims: 16

(21) Application No.7773/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :25/09/2013 (43) Publication Date : 20/02/2015

:NA

:NA

# (54) Title of the invention : HIGH DIELECTRIC CONSTANT COMPOSITE MATERIALS AND METHODS OF MANUFACTURE

(51) International classification :C04B35/468,H01G4/12 (71)Name of Applicant : 1) THE CURATORS OF THE UNIVERSITY OF (31) Priority Document No :61/466604 (32) Priority Date :23/03/2011 MISSOURI (33) Name of priority country Address of Applicant :316 University Hall Columbia Missouri :U.S.A. (86) International Application No :PCT/US2012/030379 65211 U.S.A. Filing Date :23/03/2012 (72)Name of Inventor: (87) International Publication No :WO 2012/145122 1) CURRY Randy D. 2)OCONNOR Kevin (61) Patent of Addition to Application :NA Number :NA Filing Date

## (57) Abstract:

Filing Date

Composite materials with a high dielectric constant and high dielectric strength are disclosed and methods of producing the composite materials. The composite materials have high dielectric constants at a range of high frequencies and possess robust mechanical properties and strengths such that they may be machined to a variety of configurations. The composite materials also have high dielectric strengths for operation in high power and high energy density systems. The composite material is composed of a trimodal distribution of ceramic particles including barium titanate barium strontium titanate (BST) or combinations thereof and a polymer binder.

No. of Pages: 52 No. of Claims: 114

(62) Divisional to Application Number

:NA

(21) Application No.7865/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/09/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: A STRIKER MEMBER AND A DRILLING MACHINE COMPRISING A STRIKER MEMBER

(51) International classification :B25D9/04,B25D17/06,E21B1/38 (71)Name of Applicant: (31) Priority Document No :11503836 1)ATLAS COPCO ROCK DRILLS AB (32) Priority Date :03/05/2011 Address of Applicant: S 701 91 –rebro Sweden :Sweden (33) Name of priority country (72)Name of Inventor: (86) International Application 1)SAF Fredrik :PCT/SE2012/050391 2)-STLING Thomas :12/04/2012 Filing Date (87) International Publication :WO 2012/150895 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

### (57) Abstract:

Filing Date

Number

.A circular cylindrical striker member 2 for a drilling machine adapted to transfer kinetic energy to an impulse receiving member 4. The striker member has a diameter d and includes a side surface 12 and an impulse surface (6). The striker member is adapted to transfer the kinetic energy to the impulse receiving member by a ring shaped active surface of the impulse surface wherein the ring shaped active surface is concentric with regard to the cross section of the striker member has a diameter d where d<d and has a width w that during the contact moment with the impulse receiving part is less than 0.2d

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

(21) Application No.7866/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SUGAR-IMMOBILIZED POLYMER SUBSTRATE FOR REMOVING VIRUSES, AND METHOD FOR REMOVING VIRUSES

(51) International classification	:A61M1/36,A61M1/34	(71)Name of Applicant :
(31) Priority Document No	:2011047556	1)DIC Corporation
(32) Priority Date	:04/03/2011	Address of Applicant :35 58 Sakashita 3 chome Itabashi ku
(33) Name of priority country	:Japan	Tokyo 1748520 Japan
(86) International Application No	:PCT/JP2012/055043	2)NATIONAL UNIVERSITY CORPORATION
Filing Date	:29/02/2012	HAMAMATSU UNIVERSITY SCHOOL OF MEDICINE
(87) International Publication No	:WO 2012/121073	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)SAKURAI Naoto
Number	:NA	2)IKUSHIMA Naoya
Filing Date	.1171	3)SUZUKI Tetsuro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a sugar-immobilized polymer substrate for removing a virus, the polymer substrate allowing efficient removal of a hepatitis virus or the like in a fluid, and a method for removing a virus. In particular, the present invention provides a sugar-immobilized polymer substrate for removing a hepatitis virus or the like, the polymer substrate allowing, in the case of an application to blood of a living body, reduction in the amount of blood taken out of the body, reduction in the removal amount of blood useful components, low invasiveness, and shortening of the operation cycle; and a method for removing a virus. A hollow fiber membrane according to the present invention can be used as a module having a function of effectively removing a virus and a function of not removing useful plasma components.

No. of Pages: 59 No. of Claims: 15

(21) Application No.8198/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :09/10/2013 (43) Publication Date : 20/02/2015

## (54) Title of the invention: BISPECIFIC ANTIBODIES AGAINST HER2 AND CD3

(51) International classification :A61K39/395,A61P35/00,C07K16/32

(31) Priority Document No :PCT/EP2011/056388

(32) Priority Date :20/04/2011

(33) Name of priority :EPO

country

(86) International :PCT/EP2012/057307

Application No
Filing Date

Filing Date

FIGURE 201

20/04/2012

(87) International :WO 2012/143524

Publication No
(61) Patent of Addition to
Application Number
:NA

Application Number :NA :NA :NA

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

1)GENMAB A/S

Address of Applicant :Bredgade 34 E DK 1260 Copenhagen K

Denmark

(72)Name of Inventor: 1)NEIJSEEN Joost J.

2)MEESTERS Joyce I. 3)DE GOEIJ Bart

4)LABRIJN Aran Frank

5)PARREN Paul

6)SCHUURMAN Janine

## (57) Abstract:

Bispecific antibodies which comprise one antigen binding region binding to an epitope of human epidermal growth factor receptor 2 (HER2) and one antigen binding region binding to human CD3 and related antibody based compositions and molecules are disclosed. Pharmaceutical compositions comprising the antibodies and methods for preparing and using the antibodies are also disclosed.

No. of Pages: 308 No. of Claims: 83

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING A PACKAGE FOR SMOKING ARTICLES

(51) International classification	:B31B41/00	(71)Name of Applicant:
(31) Priority Document No	:11162113.2	1)BOEGLI GRAVURES SA
(32) Priority Date	:12/04/2011	Address of Applicant :Rue de la Gare 24 26 CH 2074 Marin
(33) Name of priority country	:EPO	Epagnier Switzerland
(86) International Application No	:PCT/EP2012/056459	(72)Name of Inventor:
Filing Date	:10/04/2012	1)BOEGLI Charles
(87) International Publication No	:WO 2012/140016	
(87) International Ludication No	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In the method for producing a package for bar shaped smoking articles that has at least one outer layer intended to receive the bar shaped smoking articles and to hold the package together a foil strip that is suitable for the outer layer and is taken from a reel is embossed and/or provided with creasing breaks online in time with the work cadence (P) of the packaging machine and subsequently cut to size. The resulting blank is then folded around the bar shaped smoking articles in the packaging machine. On one hand this method allows packaging the cigarettes directly in the outer wrapper without an innerliner and on the other hand to strongly rationalize and simplify the entire packaging process and to apply a large variety of signs of all kinds that are perceptible visually factually acoustically or by olfaction.

No. of Pages: 30 No. of Claims: 22

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR CONTROLLING A HYBRID HEATING SYSTEM

(51) International classification	:F24D19/10,G06Q50/06	(71)Name of Applicant:
(31) Priority Document No	:13/076240	1)TRANE INTERNATIONAL INC.
(32) Priority Date	:30/03/2011	Address of Applicant :One Centennial Avenue Piscataway
(33) Name of priority country	:U.S.A.	New Jersey 08855 U.S.A.
(86) International Application No	:PCT/US2012/026115	(72)Name of Inventor:
Filing Date	:22/02/2012	1)STORM Timothy Wayne
(87) International Publication No	:WO 2012/134668	2)GAVIN Gerson L.
(61) Patent of Addition to Application	:NA	3)DOUGLAS Jonathan David
Number	:NA	4)EDENS John R.
Filing Date	IVA	5)LANGE Willem M.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

In at least some embodiments a hybrid heating system includes a heat pump and an auxiliary furnace. The system also includes a controller coupled to the heat pump and the auxiliary furnace. The controller in response to receiving a heat request selects either the heat pump or the auxiliary furnace based on an economic balance point algorithm.

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

(19) INDIA

(22) Date of filing of Application :20/09/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: AUXIN PLANT GROWTH REGULATORS

(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	:A01N43/38,A01N43/90,A01N45/00 :61/454813 :21/03/2011 :U.S.A. :PCT/CA2012/000258 :21/03/2012 :WO 2012/126094 :NA	(71)Name of Applicant:  1)THE GOVERNORS OF THE UNIVERSITY OF ALBERTA  Address of Applicant: Suite 4000 10230 Jasper Avenue Edmonton Alberta T5J 4P6 Canada (72)Name of Inventor:  1)OZGA Jocelyn 2)REINECKE Dennis
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(21) Application No.7649/CHENP/2013 A

### (57) Abstract:

Compositions and methods for enhancing plant growth in a flowering plant having an auxin response pathway by applying an effective amount of a composition comprising an auxin or auxin analog to the plant or a portion thereof or a locus thereof at or before an early reproductive stage of the plant. The enhanced plant growth may ameliorate the effects of abiotic stress and/or improve fruit or seed yield.

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

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: CUTTER ASSEMBLY FOR TUNNEL BORING MACHINE WITH PRESSURE COMPENSATION

(51) International classification :E21D9/06,E21D9/08 (31) Priority Document No :61/444081	(71)Name of Applicant:  1)THE ROBBINS COMPANY Address of Applicant:29100 Hall Street Solon OH 44139 U.S.A. (72)Name of Inventor: 1)SHANAHAN Aaron J. 2)SMADING Stephen M. 3)LANG Timothy A. 4)BOX Zachary J. 5)KHALIGHI Brian B. 6)GROTHEN Brad D. 7)LENABURG Carl E. 8)MCNEELEY Jay M. 9)KONDA Shinichi
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## (57) Abstract:

A pressure compensated cutter assembly for a tunnel boring machine includes a shaft a cutter ring assembly rotatably mounted on the shaft and first and second end retainers non rotatably attached to the shaft. Rotary seal groups immersed in lubricant provide a moving seal between the rotating cutter ring assembly and the end retainers. A movable piston member is exposed to ambient pressures and contacts the lubricant such that increasing ambient pressure will increase the lubricant pressure thereby keeping the pressure differential across the seal small. In one embodiment the piston is a floating retainer portion. In another embodiment the piston is an annular piston and in another embodiment the piston is a plurality of smaller pistons disposed in the first retainer.

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

(22) Date of filing of Application :25/09/2013

(21) Application No.7777/CHENP/2013 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention: THICK STEEL SHEET HAVING SUPERIOR FATIGUE RESISTANCE PROPERTIES IN DIRECTION OF SHEET THICKNESS METHOD FOR PRODUCING SAME AND FILLET WELDED JOINT USING SAID THICK STEEL SHEET

### (57) Abstract:

(19) INDIA

Provided are: a thick steel sheet that has superior fatigue resistance properties in the direction of sheet thickness and that is favorable for welded steel structures such as pressure vessels; a method for producing the thick steel sheet; and a fillet welded joint using the thick steel sheet. Specifically the thick steel sheet has a composition that in a range from one or both of the rolled surfaces of the steel sheet to 4 mm in the direction of sheet thickness has a compressive residual stress perpendicular to the direction of steel thickness of at least 100 MPa and preferably contains by mass%: 0.03 0.15% of C no greater than 1.0% of Si and 1.0 2.0% of Mn; 0.005 0.05% of Ti and/or 0.001 0.05% of Nb; and one or at least two of Cu Ni Cr Mo V W Zr Ca B and no greater than 0.1% of Al.

No. of Pages: 45 No. of Claims: 7

(21) Application No.3620/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: OXAZOLIDONE MODIFIED EPOXY FILM ADHESIVE COMPOSITION

(51) International classification	:C08G59/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN SPACE RESEARCH ORGANISATION
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF SPACE,
(33) Name of priority country	:NA	ANTARIKSH BHAVAN, NEW BEL ROAD, BANGALORE 560
(86) International Application No	:NA	094 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RANAJIT PAL
(61) Patent of Addition to Application Number	:NA	2)SAVITHA KRISHNAN
Filing Date	:NA	3)SURAJ SUDHI
(62) Divisional to Application Number	:NA	4)CHETHRAPPILLY PADMANABHAN
Filing Date	:NA	REGHUNADHAN NAIR

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

The invention relates to an oxazolidone modified heat curable epoxy film adhesive composition with filleting characteristics and a process for its preparation.

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

(19) INDIA

(22) Date of filing of Application :09/03/2010 (43) Publication Date : 20/02/2015

# (54) Title of the invention: MOTOR AND WINDOW LIFT

(51) International classification (31) Priority Document No	:E05C17/02 :200910105950.X	(71)Name of Applicant: 1)JOHNSON ELECTRIC S.A.
(32) Priority Date	:10/03/2009	Address of Applicant :BAHNHOFSTRASSE 18, CH-3280
(33) Name of priority country	:China	MURTEN SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)QIN, RUI FENG
(87) International Publication No	: NA	2)LIANG, JI YU
(61) Patent of Addition to Application Number	:NA	3)WANG, DI
Filing Date	:NA	4)JIANG, YUAN
(62) Divisional to Application Number	:NA	5)DU, CHENG SHUN
Filing Date	:NA	

(21) Application No.228/KOL/2010 A

### (57) Abstract:

A window lift has a motor and a gearbox. The motor is a permanent magnet motor, comprising a stator and a rotor rotatably mounted to the stator. The stator or the rotor comprises a housing and magnets fixed to inner surface of the housing. The radial cross section of the housing comprises n side portions and n connecting portions, where n is an integer greater than 2. Adjacent side portions are connected together by one corresponding connecting portion and the magnets are fixed at portions corresponding to the connecting portions. The radial cross section of each side portion is like a convex curve line, which is curved outwardly relative to a straight line passing through the two ends of the convex curve line.

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

(19) INDIA

(22) Date of filing of Application :22/01/2010

(21) Application No.270/KOLNP/2010 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR FACILITATING ARTIFICIAL RAIN SHOWER BY GROUND HEATING

(51) International classification	:A01G 15/00	(71)Name of Applicant :
(31) Priority Document No	:10-2009-0000323	1)PUKYONG NATIONAL UNIVERSITY INDUSTRY-
(32) Priority Date	:05/01/2009	UNIVERSITY COOPERATION FOUNDATION
(33) Name of priority country	:Republic of Korea	Address of Applicant :PUKYONG NATIONAL
(86) International Application No	:PCT/KR2009/006044	UNIVERSITY, SAN 100, YONGDANG-DONG, NAM-GU,
Filing Date	:20/10/2009	BUSAN 608-739 REPUBLIC OF KOREA
(87) International Publication No	:WO/2010/076959	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BYUN, HI-RYONG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		I

### (57) Abstract:

The present invention relates to a system and method for facilitating artificial rain by heating the ground surface on a day having real latent instability to induce rising air currents that overcome the convective inhibition (CIN) of the air layers and thus activate the convective available potential energy (CAPE) existing in nature. Certain embodiments of the present invention provide a system and method for facilitating artificial rain by ground heating in which the air at the ground surface of a region where artificial rain is to be produced is heated, when the atmosphere of the region has real latent instability, so that the air parcels may overcome the CIN and rise upwards, activate the CAPE by itself, and consequently induce rain.

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

(22) Date of filing of Application :05/07/2011

(43) Publication Date: 20/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR UPDATING ADDITIONAL BROADCAST INFORMATION TRANSFERRED THROUGH BROADCAST MESSAGE IN BROADCAST WIRELESS COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W 48/10 :61/151,850 :12/02/2009 :U.S.A. :PCT/KR2010/000919 :12/02/2010 :WO 2010/093207 :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC. Address of Applicant: 20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor: 1)CHO, HEE-JEONG 2)KIM, YONG-HO 3)RYU, KI-SEON
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### (57) Abstract:

The present invention relates to a method and an apparatus for updating additional broadcast information transferred through a broadcast message. The method for updating the additional broadcast information (ABI) of a broadband wireless connection system that transmits and receives data through a superframe that includes a superframe frame header (SFH) comprises the steps of: receiving from a base station at least one kind of ABI and ABI configuration information that includes ABI transmission information and ABI change information through the superframe; comparing the pre-stored ABI change information with the received ABI change information to judge whether or not the ABI is changed; and decoding and updating the changed ABI in consideration of the ABI transmission information or the ABI change information if the results of the judgment indicate that the ABI is changed.

No. of Pages: 54 No. of Claims: 15

(22) Date of filing of Application :05/07/2011 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L 27/26	(71)Name of Applicant :
(31) Priority Document No	:61/120,067	1)LG ELECTRONICS INC.
(32) Priority Date	:05/12/2008	Address of Applicant :20, YEOUIDO-DONG,
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF
(86) International Application No	:PCT/KR2009/007197	KOREA
Filing Date	:03/12/2009	(72)Name of Inventor:
(87) International Publication No	:WO 2010/064857	1)LEE, YOUNG SEOB
(61) Patent of Addition to Application	:NA	2)IHM, BIN CHUL
Number	:NA	3)HAN, SEUNG HEE
Filing Date	.11/1	4)CHUN, JIN YOUNG
(62) Divisional to Application Number	:NA	5)LEE, SUK WOO
Filing Date	:NA	6)OH, MIN SEOK

### (57) Abstract:

A method and apparatus of transmitting control information in a wireless communication system is provided. A sequence corresponding to control information from a sequence set is determined. A reference modulation symbol set corresponding to a mini unit by modulating the sequence is generated. At least one reordered modulation symbol set is generated by reordering and repeating the reference modulation symbol set. The at least one reordered modulation symbol set is reordered in a unit of a subgroup. The reference modulation symbol set and the at least one reordered modulation symbol set are mapped to the plurality of mini units in the resource unit respectively.

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :30/10/2009 (43) Publication Date : 20/02/2015

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

(51) International classification	:C08L 7/00,B60C 15/06	(71)Name of Applicant: 1)SUMITOMO RUBBER INDUSTRIES, LTD.
(31) Priority Document No	:2007-135650	Address of Applicant :6-9, WAKINOHAMA-CHO 3-
(32) Priority Date	:22/05/2007	CHOME, CHUO-KU, BOKE-SHI, HYOGO 651-0072, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2008/054760	1)SAKAMOTO, SHUICHI
Filing Date	:14/03/2008	2)NAKAKITA, ISSEI
(87) International Publication No	:WO 2008/142902	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.3.1.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a rubber composition comprising a rubber component and at least one of a terpene resin and a rosin resin in an amount of 0.5 part by mass relative to 100 parts by mass of the rubber component, wherein the rubber component contains a natural rubber component comprising at least one of a natural rubber and a modified natural rubber at a ratio of 20 to 100% by mass. Also disclosed is a pneumatic tire comprising the rubber composition. It becomes possible to provide: a rubber composition which uses a raw material derived from a petroleum resource in a reduced amount, can maintain the properties required for the intended use application and has improved processability; and a pneumatic tire using the rubber composition.

No. of Pages: 44 No. of Claims: 13

(21) Application No.954/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : 'AN IMPROVED PROCESS FOR PRODUCTION OF HIGH-CARBON FERROMANGANESE ALLOY'

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	33/00 :NA	(71)Name of Applicant: 1)TATA STEEL LIMITED Address of Applicant :RESEARCH AND DEVELOPMENT
(32) Priority Date	:NA	AND CIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(33) Name of priority country		831001, Jharkhand India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)B D NANDA,
(87) International Publication No	: NA	2)D D PARIDA
(61) Patent of Addition to Application Number	:NA	3)SOUVIK CHATTERJEE
Filing Date	:NA	4)BIRANCHI NARAYAN ROUT
(62) Divisional to Application Number	:NA	5)VEERENDRA SINGH
Filing Date	:NA	

### (57) Abstract:

The invention relates to an improved process for production of high-carbon ferromanganese alloy, comprising the steps of preparing a raw material blend consisting of by weight low-silica containing manganese ore 65%, coke 16%, quartz 3%, dolomite 9% and high-Mn0 slag 7%; injecting the raw material blend in a submerged arc furnace, inputting into the furnace an electrode paste simultaneously supplying electrical power for smelting process; and tapping slag and alloy from the furnace after a predetermined power consumption by the furnace, wherein the low-silica manganese ore consists of manganese (46-48%), Fe(8-9%), SiO2 (2.5%); the high MnO slag contains MnO (33%); SiO2 (28%); Al2O3 (17%), CaO (10%); MgO (6.0%); the quartz contains SiO2 (90%); the dolomite contains CaO (28%), MgO (9%), silica (4%); and the coke contains fixed carbon (82%) and ash (15-18%) wherein the smelting power inputted is around 2600 KWH/T of alloy and wherein the electrode paste containing 84% FC is injected in 16KG/T of the alloy.

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

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: A COLD-ROLLED CONTINUOUSLY ANNEALED WELDABLE DUAL PHASE STEEL WITH TENSILE STRENGTH OF 650-800 MPA AND A PROCESS OF MANUFACTURING SUCH A STEEL GRADE

(51) International classification	:C22C 38/00	(71)Name of Applicant: 1)TATA STEEL LIMITED
(31) Priority Document No	:NA	Address of Applicant :JAMSHEDPUR-831001,Jharkhand
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)KUMKUM BANERJEE
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		I .

#### (57) Abstract:

The present invention is related to developing defect-free weldable dual phase steels in laboratory of strength 650-800MPa with spot welded nugget diameter, 6Vt in cold-rolled-continuously annealed conditions by judicious selection of alloying elements and base metal microstructural engineering. The method involves hot and cold rolling a steel composition comprising of carbon (C) in an amount from 0.09 weight percent to 0.12 weight percent; manganese (Mn) in an amount from 1.38 weight percent to 1.55 weight percent; silicon (5i) in an amount from 0.34 weight percent to 0,41 weight percent; molybdenum in an amount from 0.21 weight percent to 0.38 weight percent; titanium (Ti) in an amount from 0.007 weight percent to 0.031 weight percent; niobium (Nb) in an amount from 30 ppm to 70 ppm; phosphorous (P) in an amount of 0.008 weight percent; sulfur (5) in an amount from 0.008 weight percent to 0.013 weight percent and balance being iron; and inducing said steel compositing to three types of annealing cycles Three types of annealing cycles were designed: effect of i) cooling rate ii) bainite and iii) tempered martensite, to obtain crack free weldments with desired tensile properties. Plug type failure was obtained for all the samples studied. The annealing cycles with < 30% martensite and cooling rate > 30°C/s cooling rate showed poor weldability and elongation. HAZ softening was found to be the main cause for poor weldability in some of the cycles. However, the cycles that introduced bainite/tempered martensite in the ferritic-martensitic dual phase structure in association with typical nano- sized precipitates, such as (Ti-Nb-Mo)C, TiC, Mo-C resulted in weldable steels with desired tensile properties.

No. of Pages: 60 No. of Claims: 6

(22) Date of filing of Application :05/03/2010 (43) Publication Date : 20/02/2015

# (54) Title of the invention: ENCODER FOR AUDIO SIGNAL INCLUDING GENERIC AUDIO AND SPEECH FRAMES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) International Application No.</li> </ul>	:NA :NA :NA	(71)Name of Applicant: 1)MOTOROLA, INC. Address of Applicant:1303 EAST ALGONQUIN ROAD, SCHAUMBURG, IL 60196 UNITED STATES OF AMERICA
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MITTAL, UDAR
(87) International Publication No	: NA	2)GIBBS, JONATHAN A.
(61) Patent of Addition to Application Number	:NA	3)ASHLEY, JAMES P.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method for encoding audio frames by producing a first frame of coded audio samples by coding a first audio frame in a sequence of frames, producing at least a portion of a second frame of coded audio samples by coding at least a portion of a second audio frame in the sequence of frames, and producing parameters for generating audio gap filler samples, wherein the parameters are representative of either a weighted segment of the first frame of coded audio samples or a weighted segment of the portion of the second frame of coded audio samples.

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

(19) INDIA

(22) Date of filing of Application :21/01/2010

(21) Application No.248/KOLNP/2010 A

(43) Publication Date: 20/02/2015

# (54) Title of the invention: FRAMING STRUCTURE

Filing Date  (62) Divisional to Application Number :NA Filing Date :NA	(62) Divisional to Application Number	*	(71)Name of Applicant:  1)DIVERSAKORE LLC  Address of Applicant: 9450 STONEY RIDGE LANE, ALPHARETTA, GEORGIA, 30022 UNITED STATES OF AMERICA (72)Name of Inventor:  1)RAHIMZADEH, HOUSH 2)RAHIMZADEH, MARC
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### (57) Abstract:

A framing structure (10) includes elements that are integrally connected by a poured bonding core (18). The elements include a hollow-interior column (12) having an opening (22) in a wall (20) that allows access to the interior and a beam (14) having a cavity (28) that is configured to receive a pourable bonding material (18). The beam (14) is positioned with respect to the column (12) such that the cavity (28) is aligned with the opening (22). Flooring sections (16) are supported by the beams (14).

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

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR FREQUENCY CALIBRATION OF OSCILLATORS INVOLVING FRACTION PHASE.

(51) International classification	:H01Q3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GHOSH, AMITAVA
(62) Divisional to Application Number	:NA	2)DHAR, DR. ANINDYA SUNDAR
Filing Date	:NA	3)HALDER, DR. ACHINTYA

### (57) Abstract:

A frequency calibration system for correcting oscillator frequency comprising involving fraction phase corresponding to the oscillator frequency and a reference frequency, a reference clock for generating the reference frequency depending on frequency span of the oscillator to provide a fixed time unit and means for determining the fraction phase corresponding to distance of a particular oscillator frequency tone's nearest edge transition from the fixed time unit boundary and occurring before the fixed time unit and thereby calibrating the oscillator frequency by involving the fraction phase.

No. of Pages: 40 No. of Claims: 10

(21) Application No.952/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 20/02/2015

# (54) Title of the invention: 'A COATING FORMULATION FOR A HIGH DEPOSITION-RATE LOW HYDROGEN TYPE SHIELDED METAL ARC WELDING ELECTRODE DEPOSITNG HIGH STRENGTH BAINITIC WELD METAL'

	G22G	(71)N
(51) International classification		(71)Name of Applicant:
` '	38/00	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		KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700 091,
(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)CHENNAKESAVAN PATTABIRAMAN
Filing Date	:NA	RAVICHANDRAN
(62) Divisional to Application Number	:NA	2)DHANESH KANT VERMA
Filing Date	:NA	

## (57) Abstract:

The invention relates to A composition of basic low hydrogen iron powder-type coating depositing high strength bainitic weld metal with a higher deposition rate consisting of: SL MATERIAL WT% RANGE PREFERRED RANGE 1 CALCITE POWDER 7.5-15 12.5 2 FLOURSPAR 7.5-12.5 10.0 3 RUTILE/TITANIA 2.5-7.5 7.5 4 IRON POWDER 100 MESH 45-60 50.0 5 IRON POWDER 60MESH 2.5-7.5 5.0 6 FEEROSILICON 25% 2.5-7.5 6.0 7 FEEROMANGANESE/ELECTROLYTIC MANGANESE 3.5-6.5 5.0 8 TOTAL OF BALANCING ALLOY POWDERS(CHROMIUM MOLYBDENUM & NICKEL, VANADIUM & GRAPHITE 1-2 2.5 9 SLAG FORMERS, GAS FORMERS, EXTRUSION AIDS 0.5-1.5 1.5 TOTAL 100

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

(22) Date of filing of Application :27/07/2009 (43) Publication Date : 20/02/2015

# (54) Title of the invention : SATELLITE POSITIONING SYSTEM ENABLED MEDIA MEASUREMENT SYSTEM AND METHOD

(51) International classification :C07H 21/04 (71)Name of Applicant: (31) Priority Document No 1)RDPA, LLC :60/345.908 (32) Priority Date Address of Applicant: 2151 N NORTHLAKE WAY, SUITE :31/12/2001 (33) Name of priority country 210, SEATTLE, WA 98103 U.S.A. :U.S.A. (86) International Application No :PCT/US2004/041199 (72)Name of Inventor: 1)PERCY ROGER D. Filing Date :20/12/2002 (87) International Publication No :WO/2005/060618 2)BURKE KAY S. (61) Patent of Addition to Application 3)BAKER JAMES W. :NA Number 4)PERCY R. CAMERON :NA Filing Date (62) Divisional to Application Number :933/KOLNP/2004

#### (57) Abstract:

Filed on

The present invention is directed to utilizing monitoring devices (200) for determining the effectiveness of various locations, such as media display locations (150) for an intended purpose (media display exposure). The monitoring devices (200) track the movements of the respondents. While various technologies may be used to track the movements of the respondents, at least some of the location tracking of the monitoring device (200) utilize a satellite (105) location system such as the global positioning system (GPS). These movements of the respondent and monitoring device (200) at some point coincide with exposure to a number of media displays (150). Geo data (movement data) collected by the monitoring devices, is downloaded to a downloaded server (300), for determining which media displays (150) the respondent was exposed to. The exposure determinations are made by a post-processing server (400).

:02/07/2004

No. of Pages: 64 No. of Claims: 37

12) TATENT ATTLICATION TODLICATION

(22) Date of filing of Application :16/08/2013

(21) Application No.957/KOL/2013 A

(43) Publication Date: 20/02/2015

(54) Title of the invention: METHODS OF LOOP BANDWIDTH CALIBRATION AND PHASE NOISE CANCELLATION CIRCUITS IN A FRACTIONAL-N PLL WITH ASPECIAL SWITCHING CHARGE PUMP CIRCUIT TO REDUCE THE LEAKAGE CURRENT, O/P NOISE SPUR AND PHASE NOISE

(51) International classification	:H03L7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :INDIAN INSTITUTE OF
(86) International Application No	:NA	TECHNOLOGY, KHARAGPUR 721302, DIST - MIDNAPORE,
Filing Date	:NA	STATE OF WEST BENGAL, INDIA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)HATI, MANAS, KUMAR
Filing Date	:NA	2)BHATTACHARYYA, TARUN, KANTI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

(19) INDIA

The present invention provides a fractional-N PLL frequency synthesizer (100) with phase noise cancellation (7) and loop band width calibration circuit (2). The system for loop bandwidth calibration and phase noise cancellation in a PLL synthesizer (100), the system comprising: a phase frequency detector (13) operatively connected to a charge pump circuit (1); a loop filter operatively connected to the charge pump circuit (2); an oscillator operatively connected to the loop filter; wherein the charge pump circuit connected to a loop bandwidth calibration circuit (2) for compensating the gain variation in the oscillator and a phase noise cancellaltion circuit (7) for reducing the noise in the synthesizer (100); wherein the charge pump circuit (1) is operatively connected to an optimum code generator for generating a control bit for loop bandwidth calibration and noise cancellation circuit.

No. of Pages: 47 No. of Claims: 18

(22) Date of filing of Application :05/08/2009

(43) Publication Date: 20/02/2015

# (54) Title of the invention : CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:08/02/2008 :WO 2008/098230 :NA :NA	(71)Name of Applicant:  1)A123 SYSTEMS, INC.  Address of Applicant :ARSENAL ON THE CHARLES, 321  ARSENAL STREET, WATERTOWN, MA 02472 U.S.A.  (72)Name of Inventor:  1)TOTH, AKOS
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A multi-directional power conversion system for providing power to a motor of a hybrid vehicle includes an electric control unit; an electric motor which provides a driving force to the vehicle; a primary energy storage device; and a secondary energy storage device. An energy management system communicates parameters of the energy storage devices to the electronic control unit. A power manipulating device is coupled between the primary energy storage device and the secondare energy storage device that is configured to manage power between the energy sources and deliver electricity external the vehicle.

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

(22) Date of filing of Application :06/04/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: CONTROLLING AN IMAGING APPARATUS OVER A DELAYED COMMUNICATION LINK

<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>	:G08C 17/02 :196923 :05/02/2009 :Israel :PCT/IL2010/000095 :03/02/2010 :WO 2010/089738 :NA :NA :NA	(71)Name of Applicant:  1)ELBIT SYSTEMS LTD.  Address of Applicant: SCIENCE INDUSTRY CENTER (MATAM), P.O. BOX 539, 31053 HAIFA (IL) Israel (72)Name of Inventor:  1)FLOHR, MYRIAM 2)MEIDAN, AVI 3)SHOSHAN, YANIV
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#### (57) Abstract:

Method that includes: enabling the user to track a user-identified target on a currently presented image of periodically transmitted images from an imaging apparatus; calculating a distance between the estimated location of the user-identified target in view of the user's tracking and the estimated location of the pointing point of the imaging apparatus at said future time, wherein the estimation relate to a future time by which a command control currently transmitted by the user reaches the imaging apparatus; and calculating a command control required for directing the pointing point of the imaging apparatus onto the user-identified target, based on said calculated distance, the estimated average velocity of the user- identified target and further based on all previous control commands that had been already transmitted by the user but have not yet affected the currently presented image due to the delay in the communication link.

No. of Pages: 30 No. of Claims: 19

(22) Date of filing of Application :24/08/2009 (43) Publication Date : 20/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR MITIGATION OF DYNAMIC OVERVOLTAGE

(51) International classification	:G05F 1/00, H02H 1/04	(71)Name of Applicant: 1)ABB TECHNOLOGY AG
(31) Priority Document No	:60/903,751	Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
(32) Priority Date	:27/02/2007	ZURICH SWITZERLAND
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2008/002537	1)ANDERSON, ULF
Filing Date	:26/02/2008	2)BJORKLUND, HANS
(87) International Publication No	:WO 2008/106136	3)DANIEL, JOHN
(61) Patent of Addition to Application	:NA	4)DICKMANDER, DAVID
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method and apparatus for mitigating dynamic overvoltage (DOV) in an AC network. A distribution and power transformer has its primary connected to the high voltage bus of the network and its secondary connected to a switching device. Upon the occurrence of a condition known to cause a DOV and the DOV a control system cause the switching device to change from a nonconductive mode to a conductive mode in less than the time for one cycle of the operating frequency of the AC network. This change in switching device conduction places a short circuit across the transformer secondary.

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

(22) Date of filing of Application :28/09/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: AUDIO DECODER AND DECODING METHOD USING EFFICIENT DOWNMIXING

(51) International classification	:G10L 19/00	(71)Name of Applicant :
(31) Priority Document No	:61/305,871	1)DOLBY LABORATORIES LICENSING
(32) Priority Date	:18/02/2010	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :100 POTRERO AVENUE, SAN
(86) International Application No	:PCT/US2011/023533	FRANCISCO, CALIFORNIA 94103-4813 UNITED STATES OF
Filing Date	:03/02/2011	AMERICA
(87) International Publication No	:WO 2011/102967	2)DOLBY INTERNATIONAL AG
(61) Patent of Addition to Application	:NA	(72)Name of Inventor :
Number	:NA	1)THESING, ROBIN
Filing Date	.11/11	2)SILVA, JAMES M.
(62) Divisional to Application Number	:NA	3)ANDERSEN, ROBERT, L.
Filing Date	:NA	

#### (57) Abstract:

A method, an apparatus, a computer readable storage medium configured with instructions for carrying out a method, and logic encoded in one or more computer- readable tangible medium to carry out actions. The method is to decode audio data that includes N.n channels to M.m decoded audio channels, including unpacking metadata and unpacking and decoding frequency domain exponent and mantissa data; determining transform coefficients from the unpacked and decoded frequency domain exponent and mantissa data; inverse transforming the frequency domain data; and in the case M<N, downmixing according to downmixing data, the downmixing carried out efficiently.

No. of Pages: 90 No. of Claims: 78

(22) Date of filing of Application :05/03/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: DECODER FOR AUDIO SIGNAL INCLUDING GENERIC AUDIO AND SPEECH FRAMES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) International Application No.</li> </ul>	:NA :NA :NA	(71)Name of Applicant: 1)MOTOROLA, INC. Address of Applicant:1303 EAST ALGONQUIN ROAD, SCHAUMBURG, IL 60196 UNITED STATES OF AMERICA
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MITTAL, UDAR
(87) International Publication No	: NA	2)GIBBS, JONATHAN A.
(61) Patent of Addition to Application Number	:NA	3)ASHLEY, JAMES P.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for decoding audio frames includes producing a first frame of coded audio samples, producing at least a portion of a second frame of coded audio samples, generating audio gap filler samples based on parameters representative of a weighted segment of the first frame of coded audio samples or a weighted segment of the portion of the second frame of coded audio samples, and forming a sequence including the audio gap filler samples and the portion of the second frame of coded audio samples.

No. of Pages: 37 No. of Claims: 15

(22) Date of filing of Application :23/07/2009 (43) Publication Date : 20/02/2015

## (54) Title of the invention : CONTENT DISTRIBUTION MANAGEMENT DEVICE, TERMINAL PROGRAM AND CONTENT DISTRIBUTION 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>	:H04Q 7/38,G06F 13/00 :2007-033597 :14/02/2007 :Japan :PCT/JP2008/052413 :14/02/2008	(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)ONDA, YASUSHI 2)KAMIYA, DAI
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2008/099870 :NA :NA :NA :NA	3)KUSHIDA, YUSUKE 4)MURAKAMI, KEIICHI

#### (57) Abstract:

A content distribution system includes a content distribution management device and a communication terminal. The content distribution management device has storage means storing one or more addresses; receiving means for receiving content data addressed to a communication terminal; judging means for judging whether or not the address of the sender of the received content data is the one stored in the storage means; and transmitting means for transmitting, to the communication terminal, the content data and the parameter determining the display form of the content displayed on the communication terminal whose address is the destination of the content data if the judging means judges that the address of the sender of the received content data is the one stored in the storage means. The communication terminal has receiving means for receiving the content data and the parameter from the content distribution management device and content display control means for displaying the received content data and controlling the display form according to the received parameter.

No. of Pages: 34 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.2606/KOLNP/2011 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention : TRANSFERRING APPARATUS FOR VEHICLE IN PARKING SYSTEM AND TRANSFERRING METHOD THEREOF USING THE SAME

(51) International classification :E04H 6/24 (71)Name of Applicant: (31) Priority Document No 1)SAMJUNG TECH CO., LTD :10-2010-0003655 (32) Priority Date Address of Applicant: 9TH FL., DONGYOUNG MUNHWA :14/01/2010 (33) Name of priority country :Republic of Korea CENTER BLDG., 772 YEOKSAN-DONG, GANGNAM-GU, (86) International Application No :PCT/KR2011/000294 SEOUL 135-928 REPUBLIC OF KOREA Filing Date :14/01/2011 (72)Name of Inventor: (87) International Publication No :WO/2011/087318 1)KWEON, IK-SUNG (61) Patent of Addition to Application 2)CHO, KAB-RYUL :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided is a transferring apparatus for a vehicle in a parking system, including a base frame 1; a transferring unit 10 which transfers the base frame 1; a front frame 2 which is disposed at a front upper portion of the base frame 1; a front lifting unit 30 which is disposed at both sides of the front frame 2 so as to lift up front wheels of the vehicle; a rear frame 3 which is disposed at a rear upper portion of the base frame 1; a moving unit 20 which moves the rear frame 3 forward and backward on the base frame 1; and a rear lifting unit 40 which is disposed at both sides of the rear frame 3 so as to lift up rear wheels of the vehicle. Therefore, it is possible to improve the functionality and usability of the transferring apparatus for the vehicle in the parking system.

No. of Pages: 43 No. of Claims: 9

(21) Application No.2942/KOLNP/2009 A

(19) INDIA

(22) Date of filing of Application :18/08/2009 (43) Publication Date : 20/02/2015

## (54) Title of the invention: POWER-LINE SAG CALCULATION BY WAY OF POWER-SYSTEM STATE ESTIMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J 3/00 :11/671,123 :05/02/2007 :U.S.A. :PCT/US2008/001294 :31/01/2008 :WO 2008/097458 :NA :NA :NA	(71)Name of Applicant:  1)ABB RESEARCH LTD.  Address of Applicant: AFFOLTERNSTRASSE 52, CH-8050  ZURICH Switzerland (72)Name of Inventor:  1)FINNEY, JOHN, D.  2)NUQUI, REYNALDO 3)SCHOLTZ, ERNST
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#### (57) Abstract:

A sag calculator (122) computes sag for a span of a section of a power line based at least in pan upon a temperature of conductor lines in the line section. A temperature calculator (120) determines the temperature by computing a resistance ascertained through augmented state estimation techniques performed by a state estimator (118). A Supervisory Control and Data Acquisition (SCADA) system (104) acquires data used by the state estimator (118) to compute the resistance.

No. of Pages: 23 No. of Claims: 27

(22) Date of filing of Application :27/07/2011

(43) Publication Date: 20/02/2015

# (54) Title of the invention : METHOD FOR ALLOCATING BACKHAUL LINK RESOURCES IN RELAY COMMUNICATION SYSTEM, AND METHOD & APPARATUS FOR TRANSMITTING & RECEIVING DATA USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B 7/14 :61/151,147 :09/02/2009 :U.S.A. :PCT/KR2010/000795 :09/02/2010 :WO 2010/090497 :NA :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant:20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)SEO HAN-BYUL 2)KIM BYOUNG-HOON 3)KIM KI-JUN 4)KIM HAK-SEONG
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#### (57) Abstract:

The present invention relates to a method and an apparatus for transmitting and receiving data in a relay communication system. The method and the apparatus allocate resources by dividing backhaul link resources into plural partitions, and then transmit and receive data. The data transmission method of the invention comprises the steps of: allocating a certain number of initial OFDM symbol transmission periods in a sub-frame of a downlink channel to a control channel that transfers the control information of the terminal, wherein data is transmitted from a base station to a relay or terminal through the downlink channel; dividing the resource blocks excluded from the control channel of the sub-frame into at least two partitions based on frequency domain; determining whether or not each divided partition is allocated to the relay or terminal as resources; and allocating data to the determined partition in order to transmit the partition to the relay or terminal through the downlink channel, wherein the partition determined for the allocation of resources to the relay is allocated to the relay through time division multiplexing (TDM) or frequency division multiplexing of both control and data channels of the relay.

No. of Pages: 65 No. of Claims: 15

(22) Date of filing of Application :04/03/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: INTEGRATED SPLIT STREAM WATER COIL, AIR HEATER AND ECONOMIZER (IWE)

		(71)Name of Applicant:
(51) International classification	:F22B37/34	
(31) Priority Document No	:61/158,774	GROUP, INC.
(32) Priority Date	:10/03/2009	Address of Applicant :20 SOUTH VAN BUREN AVENUE,
(33) Name of priority country	:U.S.A.	P.O. BOX 351, BARBERTON, OH 44203-0351 UNITED
(86) International Application No	:NA	STATES OF AMERICA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CERNEY, BRIAN J.
(61) Patent of Addition to Application Number	:NA	2)STIRGWOLT, WILLIAM R.
Filing Date	:NA	3)ALBRECHT, MELVIN J.
(62) Divisional to Application Number	:NA	4)BRECHUN, GEORGE B.
Filing Date	:NA	5)THOMAS, KEVIN R.
-		6)MONACELLI, JOHN E.

#### (57) Abstract:

An integrated water coil air heater and economizer arrangement for a boiler has a feedwater inlet for supplying feedwater to the boiler, and conduits and a valve for splitting the feedwater from the inlet into a first partial lower temperature, lower mass flow stream, and a second partial higher temperature, higher flow stream. A water coil air heater for passage of air to be heated for the boiler contains at least one heat transfer loop in heat transfer relationship with the air, the heat transfer loop of the water coil air heater being connected to receive the first partial stream. An economizer for passage of flue gas to be cooled for the boiler contains at least one heat transfer loop in heat transfer relationship with the flue gas, the heat transfer loop of the economizer being connected to the heat transfer loop of the water coil air heater for receiving the first partial stream from the water coil air heater. A mixing location downstream of the economizer receives and reunites the first and second partial streams and a conduit carries the second partial stream from the feedwater inlet to the to the mixing location.

No. of Pages: 18 No. of Claims: 2

(22) Date of filing of Application :03/08/2009 (43) Publication Date : 20/02/2015

## (54) Title of the invention: A FASTENING STRIP FOR USE WITH A SEAL FOR SEALING A WINDOW

(51) International classification	:B60J 10/00	(71)Name of Applicant :
(31) Priority Document No	:07100504.5	1)RAINFOREST R & D LIMITED
(32) Priority Date	:12/01/2007	Address of Applicant :C/O STEPHENS COOKE & CO.,
(33) Name of priority country	:EUROPEAN	BLACKHALL COURT, BLACKHALL, MULLINGAR,
(33) Name of priority country	UNION	COUNTY WESTMEATH Ireland
(86) International Application No	:PCT/EP2008/050238	(72)Name of Inventor:
Filing Date	:10/01/2008	1)O'SULLIVAN, TONY
(87) International Publication No	:WO 2008/084076	2)HYLAND, TOM
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fastening strip (10, 30) and seal (40) arrangement are described. By use of a plurality of individual retention elements (20) that are coupled-either integrally or separate-to the fastening strip it is possible to effect inter-engagement of the seal and strip. The retention elements are received into the seal, which is deformable and engages with the retention elements to effect the retention of the fastening strip to the seal.

No. of Pages: 68 No. of Claims: 29

(19) INDIA

(22) Date of filing of Application :19/07/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: FLASKLESS MOLDING MACHINE

(51) International classification	:B22C 11/10	(71)Name of Applicant:
(31) Priority Document No	:2010-006368	1)SINTOKOGIO, LTD.
(32) Priority Date	:15/01/2010	Address of Applicant :28-12, MEIEKI 3-CHOME,
(33) Name of priority country	:Japan	NAKAMURA-KU, NAGOYA-SHI, AICHI 450-0002 JAPAN
(86) International Application No	:PCT/JP2010/055875	(72)Name of Inventor:
Filing Date	:31/03/2010	1)HADANO YUTAKA
(87) International Publication No	:WO/2011/086712	2)KOMIYAMA TAKAYUKI
(61) Patent of Addition to Application	:NA	3)TAKASU SHUJI
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3050/KOLNP/2011 A

#### (57) Abstract:

The present invention provides a flaskless molding machine that can use a matching plate of different thicknesses. The flaskless molding machine has two molding flasks that have a matching plate sandwiched between them, the two molding flasks being positioned in a way such that one of opening ends of the molding flasks is opposed to each other and each of the other opening ends of the molding flasks is engaged with a squeezing board, and a pair of spaces is formed, into which spaces molding sand is filled by air through each of the openings for introducing the molding sand, disposed on a wall of each of the two molding flasks that are opposed to each other, the flaskless molding machine thus constituted being able to mold two molds by squeezing the molding sand with the squeezing boards.

No. of Pages: 39 No. of Claims: 18

(22) Date of filing of Application :03/10/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR SUPPORTING CO-LOCATED COEXISTENCE MODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B 7/26 :61/173,988 :30/04/2009 :U.S.A. :PCT/KR2010/002774 :30/04/2010 :WO 2010/126340 :NA :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC. Address of Applicant:20 YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor: 1)LEE, JIN 2)KIM, YONG HO 3)RYU, KI SEON
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#### (57) Abstract:

A method and apparatus for reducing interference between systems when a plurality of wireless access systems are co-located are disclosed. To support CLC mode, an MS in the CRC mode transmits a handover request message to a first Base Station (BS) to initiate a handover process, receives a handover command message acknowledging the handover request message from the first BS, transmits a ranging request message to second BS at network reentry after handover, and receives from the second BS a ranging response message including CRC start time information that set by the second BS.

No. of Pages: 39 No. of Claims: 20

(22) Date of filing of Application :02/07/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: LIQUID TANK, VIEWING DEVICE FOR UNDER-LIQUID OBSERVATION, AND OPTICAL FILM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G02B5/30 :2008-329996 :25/12/2008 :Japan :PCT/JP2009/070198 :01/12/2009 :WO/2010/073881 :NA :NA	(71)Name of Applicant:  1)SHARP KABUSHIKI KAISHA Address of Applicant: 22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 5458522, JAPAN (72)Name of Inventor: 1)YAMADA, NOBUAKI
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#### (57) Abstract:

The present invention provides a liquid tank, a viewing device for under-liquid observation, and an optical film, each excellent in visibility and durability and being easy to clean. The present invention is a liquid tank having a transparent wall, including, on an internal surface of the wall, a first moth-eye layer having a moth-eye structure, and a protective layer covering the moth-eye structure, in this order from the wall side, and preferably, further including, on an external surface of the wall, a second moth-eye layer having a moth-eye structure, and the second moth-eye layer being disposed in a region facing the first moth-eye layer.

No. of Pages: 64 No. of Claims: 26

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.2425/KOLNP/2010 A

(43) Publication Date: 20/02/2015

3)GREENWALD, OOLA

4)ROFE, ARIK

#### (54) Title of the invention: INIDUCTIVE POWER PROVIDING SYSTEM HAVING OUTLET

(51) International classification :H01F 38/14 (71)Name of Applicant: (31) Priority Document No 1)POWERMAT LTD. :60/960,636 (32) Priority Date Address of Applicant : KIRYAT HATIKSHORET, 90850 :09/10/2007 (33) Name of priority country :U.S.A. NEVE ILAN ISRAEL (86) International Application No :PCT/IL2008/001347 (72)Name of Inventor : 1)AZANCOT, YOSSI Filing Date :12/10/2008 :WO/2009/047768 (87) International Publication No 2)BEN SHALOM AMIR

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

(62) Divisional to Application Number :1382/KOLNP/2010 Filed on :19/04/2010

## (57) Abstract:

A power providing system comprising at least one inductive power outlet configured to be movable behind an extended surface. The inductive power outlet includes a primary inductor configured to couple inductively with a secondary inductor wired to an electric load. The inductive power outlet is mounted upon a positioning mechanism upon which the primary inductor may be moved behind the extended surface.

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

(22) Date of filing of Application :02/08/2011

(43) Publication Date: 20/02/2015

## (54) Title of the invention : METHOD OF TRANSMITTING AND RECEIVING FEEDBACK INFORMATION AND MOBILE STATION/BASE STATION APPARATUS THEREFOR

(51) International classification	:H04B 7/26	(71)Name of Applicant :
(31) Priority Document No	:61/153,651	1)LG ELECTRONICS INC.
(32) Priority Date	:19/02/2009	Address of Applicant :20 YEOUIDO-DONG,
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF
(86) International Application No	:PCT/KR2010/001051	KOREA
Filing Date	:19/02/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2010/095890	1)IHM, BIN CHUL
(61) Patent of Addition to Application	:NA	2)KIM, SU NAM
Number	:NA	3)KOO, JA HO
Filing Date	.NA	4)LIM, DONG GUK
(62) Divisional to Application Number	:NA	5)LEE, WOOK BONG
Filing Date	:NA	6)KIM, JAE WAN

#### (57) Abstract:

A method of transmitting and receiving feedback information in a multi-cell based wireless communication system using FFR, a mobile station apparatus therefore and a base station apparatus therefore are disclosed. A mobile station is able to obtain FFR configuration information including configuration information on at least one frequency partition to which a corresponding FFR is applied per cell ID. And, the mobile station is able to transmit PMI information to a serving base station using the obtained FFR configuration information. In this case, the PMI information is specifically restricted or recommended by the mobile station among PMIs (precoding matrix indexes) used by at least one neighbor cell in an allocated specific frequency partition.

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

(22) Date of filing of Application :02/08/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MOBILE STATION AND MOBILE COMMUNICATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:28/01/2010 :WO 2010/087411 :NA :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)KANAUCHI, MASASHI 2)OHASHI, AKI 3)SUZUKI, KEISUKE 4)TANAKA, ITSUMA
Filing Date	:NA	

#### (57) Abstract:

A mobile station (UE) comprises an emergency call transmission processing unit adapted to transmit an emergency call via a cell under control of a UMTS network if detecting an occasion for the emergency call transmission while being on standby in a cell under control of an LTE network that is a packet-exchange-only network and further if determining that it is possible to be on standby in the cell under control of the UMTS network having a circuit switching network.

No. of Pages: 27 No. of Claims: 9

(22) Date of filing of Application :02/08/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention : METHOD AND APPARATUS FOR TRAFFIC COUNT KEY MANAGEMENT AND KEY COUNT MANAGEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04W 12/6 :61/151,844 :12/02/2009 :U.S.A. :PCT/KR2010/000909 :12/02/2010 :WO 2010/093200 :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)HAHN GENE BECK 2)RYU KI SEON
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various methods and apparatuses for managing count values (e.g. key counts) to manage a TEK in various communication environments are disclosed. Also, various methods and apparatuses for generating and maintaining a traffic key encryption key by using key count values are disclosed.

No. of Pages: 59 No. of Claims: 18

(22) Date of filing of Application :02/08/2011 (43) Publication Date : 20/02/2015

## (54) Title of the invention: ANTENNA DEVICE AND COMMUNICATION TERMINAL APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:H01Q1/24 :2010-009513 :19/01/2010 :Japan :PCT/JP2011/050884 :19/01/2011 : WO/2011/090080 :NA :NA	(71)Name of Applicant:  1)MURATA MANUFACTURING CO., LTD. Address of Applicant: 10-1, HIGASHIKOTARI 1-CHOME, NAGAOKAKYO-SHI, KYOTO-FU 617-8555 JAPAN (72)Name of Inventor: 1)KATO NOBORU 2)ISHIZUKA KENICHI
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An antenna device (106) is provided with an antenna element (11), and an impedance conversion circuit (25) connected to the antenna element (11). The impedance conversion circuit (25) is connected to the feeding end of the antenna element (11). The impedance conversion circuit (25) is inserted between the antenna element (11) and a feeding circuit (30). The impedance conversion circuit (25) is provided with a first inductance element (L1) connected to the feeding circuit (30), and a second inductance element (L2) coupled to the first inductance element (L1). A first end of the first inductance element (L1) is connected to the feeding circuit (30), a second end thereof is connected to the antenna, a first end of the second inductance element (L2) is connected to the antenna element (11), and a second end thereof is connected to a ground.

No. of Pages: 106 No. of Claims: 12

(22) Date of filing of Application :18/03/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MULTI-PORT CABLE CONNECTOR WITH TWO-STAGE RETENTION CLIPS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:12/407,756 :19/03/2009	Address of Applicant :358 HALL AVENUE WALLINGFORD, CONNECTICUT 06492 UNITED STATES OF AMERICA
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor: 1)PARIKH, HARDIK
(61) Patent of Addition to Application Number	:NA	2)BARTHELMES, OWEN R.
Filing Date	:NA	3)ANTONINI, GINO S.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device of and method for making a multi-port cable connector is disclosed. The device comprises a connector housing having a plurality of orifices and a clip receiving portion extending into each orifice, each orifice being adapted to receive a corresponding cable connector therein and each clip receiving portion including, at least one grooved engagement surface disposed in a sidewall of the clip receiving portion and defining a first stage, and at least one second grooved engagement surface disposed below the at least one first grooved engagement surface in a sidewall of the clip receiving portion and defining a second stage; and comprises a plurality of retention clips adapted to slide between the first stage and the second stage in a corresponding clip receiving portion, each retention clip including a pair of engagement arms having a notched engagement surface for alternately engaging the pair of first engagement surfaces and the pair of second engagement surfaces.

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

(19) INDIA

(22) Date of filing of Application :27/07/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: SUCTION PUMP WITH AIR RELEASE VALVE

(51) International classification	:A61M 1/06	(71)Name of Applicant:
(31) Priority Document No	:1541/04	1)MEDELA HOLDING AG
(32) Priority Date	:20/09/2004	Address of Applicant :LATTICHSTRASSE 4B, 6340 BAAR,
(33) Name of priority country	:Switzerland	SWITZERLAND
(86) International Application No	:PCT/CH2005/000529	(72)Name of Inventor:
Filing Date	:06/09/2005	1)STUTZ ALEX
(87) International Publication No	:WO/2006/032156	2)PFENNINGER ERICH
(61) Patent of Addition to Application	:NA	3)WEBER BEDA
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:636/KOLNP/2007	
Filed on	:21/02/2007	

(21) Application No.2750/KOLNP/2010 A

## (57) Abstract:

A suction pump comprises an air release valve with an air release membrane (32). This air release membrane (32) and a vacuum membrane (31) are used to generate the vacuum are designed integrally in the form of a common membrane plate (3). This suction pump is inexpensive in manufacture and easily to put together.

No. of Pages: 36 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.2555/KOLNP/2010 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: AUDIO CODING SYSTEM USING SPECTRAL HOLE FILLING

(51) International classification :G10L 19/02
(31) Priority Document No :10/174,493
(32) Priority Date :17/06/2002
(33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

Solution Signature

Filing Date

Filing Date

Filing Date

Filing Date

Filing Date

Filing Date

(87) International Publication No :WO/2003/107328 (61) Patent of Addition to Application :NA

Number :NA Filing Date :NA

(62) Divisional to Application Number :1745/KOLNP/2004

Filed on :18/11/2004

(71)Name of Applicant :

1)DOLBY LABORATORIES LICENSING

CORPORATION

Address of Applicant :100 POTRERO AVENUE, SAN FRANCISCO, CA 94103-4813 UNITED STATES OF

AMERICA

(72)Name of Inventor:

1)TRUMAN, MICHAEL, MEAD 2)DAVIDSON, GRANT, ALLEN 3)FELLERS, MATTHEW, CONRAD 4)VINTON, MARK, STUART

5)WATSON, MATTHEW, AUBREY 6)ROBINSON, CHARLES, OUITO

#### (57) Abstract:

Audio coding processes like quantization can cause spectral components of an encoded audio signal to be set to zero, creating spectral holes in the signal. These spectral holes can degrade the perceived quality of audio signals that are reproduced by audio coding systems. An improved decoder avoids or reduces the degradation by filling the spectral holes with synthesized spectral components. An improved encoder may also be used to realize further improvements in the decoder.

No. of Pages: 33 No. of Claims: 22

(22) Date of filing of Application :23/09/2009 (43) Publication Date : 20/02/2015

#### (54) Title of the invention: ABSORPTION REFRIGERATING MACHINE

(51) International classification	:F25B49/00	(71)Name of Applicant:
(31) Priority Document No	:2008- 250818	1)SANYO ELECTRIC CO., LTD. Address of Applicant :5-5, KEIHANHONDORI 2-CHOME,
(32) Priority Date	:29/09/2008	MORIGUCHI-SHI, OSAKA-FU, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)FUNAI, HIDEKI
Filing Date	:NA	2)NISHIMOTO, HARUKI
(87) International Publication No	: NA	3)HOSHINO, TOSHIYUKI
(61) Patent of Addition to Application Number	:NA	4)IRAMINA, KAZUYASU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=\ \A1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		·

#### (57) Abstract:

The present invention provides a technique capable of improving the efficiency of heat recovery from a heat source fluid circulated within an absorption refrigerating machine by means of a structure having simplified piping with fewer components, particularly, a technique capable of improving the heat recovery efficiency of the heat retained by a heat source fluid by means of a structure capable of achieving reduction in size of a heat recovery device for recovering heat from the heat source fluid passed through a high-temperature regenerator. A diluted absorbing liquid pipe for circulating diluted absorbing liquid from an absorber to a high-temperature regenerator is branched into a first diluted liquid pipe and a second diluted liquid pipe, the first diluted liquid pipe is configured to circulate the heat source fluid having flowed through the high-temperature regenerator from a first heat recovery device to a second heat recovery device via a steam trap, and the second diluted liquid pipe includes a high-temperature heat exchanger for performing heat exchange with intermediate absorbing liquid generated in the high-temperature regenerator and a low-temperature heat exchanger for performing heat exchange with concentrated absorbing liquid generated in a low-temperature regenerator.

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

(22) Date of filing of Application :27/01/2010 (43) Publication Date : 20/02/2015

## (54) Title of the invention: MODIFICATION OF LIGNIN BIOSYNTHESIS VIA SENSE SUPPRESSION

		(71)Name of Applicant :
(51) International classification	:C12N 15/82	1)DAIRY AUSTRALIA LIMITED
(31) Priority Document No	:2007203378	Address of Applicant :Level 5 IBM Tower 60 City Road
(32) Priority Date	:19/07/2007	Southbank Victoria 3006 Australia.
(33) Name of priority country	:Australia	2)MOLECULAR PLANT BREEDING NOMINEES LTD
(86) International Application No	:PCT/AU2008/001034	(72)Name of Inventor:
Filing Date	:17/07/2008	1)SPANGENBERG German
(87) International Publication No	:WO/2009/009830	2)LIDGETT Angela Jane
(61) Patent of Addition to Application	:NA	3)HEATH Robyn Louise
Number	:NA	4)MCINNES Russell Leigh
Filing Date	.IVA	5)LYNCH Damian Paul
(62) Divisional to Application Number	:NA	6)JOHN Ulrik Peter
Filing Date	:NA	7)MOURADOV Aidyn
-		8)GRIFFITH Megan Elizabeth

## (57) Abstract:

The present invention relates to the modification of lignin biosynthesis in plants, to enzymes involved in the lignin biosynthetic pathway and nucleic acids encoding such enzymes and, more particularly, to methods of modifying lignin biosynthesis via sense suppression and to related nucleic acids and constructs.

No. of Pages: 699 No. of Claims: 23

(21) Application No.2874/KOLNP/2011 A

(19) INDIA

(22) Date of filing of Application :11/07/2011 (43) Publication Date : 20/02/2015

# (54) Title of the invention : METHOD FOR A SUBSCRIBER UNITS COMMUNICATION WITH A SERVICE AND A COMPONENT IN A 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>	:11/10/2010 :WO/2012/048716 :NA :NA	(71)Name of Applicant:  1)SIEMENS ENTERPRISE COMMUNICATIONS GMBH & CO. KG Address of Applicant: HOFMANNSTRAßE 51, 81379 MÜNCHEN GERMANY (72)Name of Inventor: 1)TIETSCH, MICHAEL 2)KLAGHOFER, KARL 3)PRANGE, HOLGER 4)SCHARNAGL. THOMAS
(62) Divisional to Application Number Filing Date	:NA :NA	4)SCHARNAGL. THOMAS

#### (57) Abstract:

Using a method for a subscriber unit's communication with a service that requires information about the subscriber unit's location, the subscriber unit sends the service a message containing information about the subscriber unit's location and at least one piece of information about the subscriber unit's location is stored in at least one network component and is made available by a network component.

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

(22) Date of filing of Application :11/07/2011 (43) Publication Date: 20/02/2015

## (54) Title of the invention: METHOD FOR ENCODING OF A VIDEO 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N 7/32 :NA :NA :NA :PCT/EP2010/004543 :23/07/2010 :WO/2012/010188 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS ENTERPRISE COMMUNICATIONS GMBH & CO. KG Address of Applicant: HOFMANNSTRAßE 51, 81379 MÜNCHEN GERMANY (72)Name of Inventor: 1)AMON, PETER 2)OERTEL, NORBERT 3)AGTHE, BERNHARD
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(21) Application No.2875/KOLNP/2011 A

#### (57) Abstract:

(19) INDIA

A temporal sequence of pictures is generated in a method for encoding of a first video stream. To do so, a synchronization signal is used which is derived from a second video stream independently of the first video stream, or the encoding of a second video stream independent of the first video stream is based on the same principle as for the encoding of the first video stream.

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

(22) Date of filing of Application: 10/08/2009 (43) Publication Date: 20/02/2015

(54) Title of the invention: DEVICE AND METHOD FOR DETECTING FAULTED PHASES IN A MULTI-PHASE ELECTRICAL 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H02H 3/34,H02H 1/00 :60/902,286 :20/02/2007 :U.S.A. :PCT/US2008/002163 :19/02/2008 :WO 2008/103342 :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY AG Address of Applicant: AFFOLTERNSTRASSE 44, CH-8050  ZURICH Switzerland (72)Name of Inventor: 1)SELEJAN, PETER
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2876/KOLNP/2009 A

#### (57) Abstract:

(19) INDIA

The present invention is directed to a protective relay for providing protective control to a power system carrying three-phase power. The protective relay performs a faulted phase detection method wherein signal values representative of electrical properties of the power carried by the power system are received and are processed to produce processed signals, respectively. The processed signals have components of the signal values removed that are the same frequency as the nominal operating frequency of the power system The process signal values are added to produce a sum, which is then divided by a predetermined number to yield a quotient. A determination is made whether the quotient falls within one of a plurality of predetermined ranges. This determination is used to determine whether the power system has a single-phase fault, a two-phase fault, or a three-phase fault.

No. of Pages: 26 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :24/08/2009

(21) Application No.2994/KOLNP/2009 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: ARMOR UNIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:28/01/2008 :WO 2008/115617 :NA :NA	(71)Name of Applicant:  1)UNITED STATES GOVERNMENT Address of Applicant: HUMPSHIREYS ENGINEER CENTER, SUPPORT ACTIVITY (CEHEC-CO), KINGMAN BUILDING, 7701 TELEGRAPH ROAD, ALEXANDRIA, BIRGINIA 22315-3860 UNITED STATE OF AMERICA (72)Name of Inventor: 1)COLLINSWORTH, STEPHEN 2)MELBY, JEFFREY
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method, a combined cellular. PDA communication device and system having specialized software applications for allowing a plurality of combined cβDular phone/PDA device users to monitor each others locations and status and Io Initiate cellular phone calls by touching a symbol on a touch screen display wWcti can also Include point to CaD conferencing calling. Each partIdpanta cellular phone/PDA device Includes a GPS navigation receiver with application software for point to call or conference can Initiation to network participants and fixed faculties. The method, device and system also include features that: establish public or private peer to peer networks; assign symbols and soft switches associated with the network; create a signal strength geo-re- farenced contour map: automatically request and download additional constantly updated maps; and collapse the cell phones soft switch matrix and readout areas after a fixed amount of user Inactivity Hire to Increase the map and superimposed symbols area.

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

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.2556/KOLNP/2010 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: AUDIO CODING SYSTEM USING SPECTRAL HOLE FILLING

(51) International classification :G10L 19/02
(31) Priority Document No :10/174,493
(32) Priority Date :17/06/2002
(33) Name of priority country :U.S.A.

(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2003/17078
Filing Date :30/05/2003

(87) International Publication No :WO/2003/107328

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :1745/KOLNP/2004

Filed on :18/11/2004

(71)Name of Applicant:

1)DOLBY LABORATORIES LICENSING

CORPORATION

Address of Applicant :100 POTRERO AVENUE, SAN FRANCISCO, CA 94103-4813 UNITED STATES OF

AMERICA

(72)Name of Inventor:

1)TRUMAN, MICHAEL, MEAD 2)DAVIDSON, GRANT, ALLEN 3)FELLERS, MATTHEW, CONRAD 4)VINTON, MARK, STUART

5)WATSON, MATTHEW, AUBREY 6)ROBINSON, CHARLES, OUITO

#### (57) Abstract:

Audio coding processes like quantization can cause spectral components of an encoded audio signal to be set to zero, creating spectral holes in the signal. These spectral holes can degrade the perceived quality of audio signals that are reproduced by audio coding systems. An improved decoder avoids or reduces the degradation by filling the spectral holes with synthesized spectral components. An improved encoder may also be used to realize further improvements in the decoder.

No. of Pages: 32 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application: 13/07/2010

(21) Application No.2557/KOLNP/2010 A

(43) Publication Date: 20/02/2015

#### (54) Title of the invention: AUDIO CODING SYSTEM USING SPECTRAL HOLE FILLING

:18/11/2004

(51) International classification :G10L 19/02 (31) Priority Document No :10/174,493 (32) Priority Date :17/06/2002 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2003/17078 Filing Date :30/05/2003 (87) International Publication No :WO/2003/107328

(61) Patent of Addition to Application :NA Number

:NA Filing Date :1745/KOLNP/2004

Filed on

(62) Divisional to Application Number

(71)Name of Applicant:

1)DOLBY LABORATORIES LICENSING

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Address of Applicant: 100 POTRERO AVENUE, SAN FRANCISCO, CA 94103-4813 UNITED STATES OF **AMERICA** 

(72)Name of Inventor:

1)TRUMAN, MICHAEL, MEAD 2) DAVIDSON, GRANT, ALLEN 3) FELLERS, MATTHEW, CONRAD 4) VINTON, MARK, STUART

5) WATSON, MATTHEW, AUBREY 6) ROBINSON, CHARLES, OUITO

#### (57) Abstract:

Audio coding processes like quantization can cause spectral components of an encoded audio signal to be set to zero, creating spectral holes in the signal. These spectral holes can degrade the perceived quality of audio signals that are reproduced by audio coding systems. An improved decoder avoids or reduces the degradation by filling the spectral holes with synthesized spectral components. An improved encoder may also be used to realize further improvements in the decoder.

No. of Pages: 31 No. of Claims: 8

(19) INDIA

(43) Publication Date: 20/02/2015

(21) Application No.2925/KOLNP/2009 A

(22) Date of filing of Application: 14/08/2009

## (54) Title of the invention : METHODS AND APPARATUS FOR MANIPULATION OF PRIMARY AUDIO-OPTICAL DATA CONTENT AND ASSOCIATED SECONDARY DATA 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06F 12/00 :NA :NA :NA :PCT/US2007/001242 :17/01/2007 :WO 2008/088329 :NA :NA	(71)Name of Applicant:  1)VERBAL WORLD, INC.  Address of Applicant:5370 MANHATTAN CIRCLE #201, BROOMFIELD, CO 80303 U.S.A. (72)Name of Inventor:  1)KELLEY, TIMOTHY, D.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatus may permit the manipulation of primary audio-optical data content (5) and associated secondary audio-optical data content (6) with a high degree of efficiency. Secondary audio-optical data content (6) may be used to access primary audio-optical data content (5) interpolated within memory unit formats (12). Integrated secondary audio-optical data content (6) may be used to interstitially access primary audio-optical data content (5) populated within a primary audio-optical data structure (1). Primary audio-optical data content (5) may be located on a byte order basis. Desired audio-optical content may be retrieved in association with contextual audio-optical data content. Speech data may be manipulated on a phoneme basis. Primary audio-optical data may be structured in a variable memory unit format (26). Integrated secondary sequenced audio-optical data structures (4) may be selectively altered.

No. of Pages: 81 No. of Claims: 50

(19) INDIA

(22) Date of filing of Application :16/07/2009

(21) Application No.2627/KOLNP/2009 A

(43) Publication Date: 20/02/2015

## (54) Title of the invention : NUCLEOSIDE AND NUCLEOTIDE ANALOGUES WITH QUATERNARY CARBON CENTERS AND METHODS OF USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K48/00 :60/881,043 :17/01/2007 :U.S.A. :PCT/IB2008/000697 :17/01/2008 :WO 2008/087558 :NA :NA :NA	(71)Name of Applicant:  1)INSTITUT DE RECHERCHES CLINIQUES DE MONTREAL  Address of Applicant: 110, AVENUE DES PINS OUEST, MONTREAL, QUEBEC H2W 1R7 Canada (72)Name of Inventor:  1)GUINDON, YVAN
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#### (57) Abstract:

The present invention comprises compounds useful as antiviral or antitumor agents. The compounds comprise nucleotide analogues that comprise tetrahydrofuranyl or tetrahydrothienyl moeities with quaternary centers at the 3 position. The nucleotide analogues can be used to inhibit cancer or viruses. Accordingly, the compounds of the present invention are useful for treating, preventing, and/or inhibiting diseases or conditions associated with cancers and viruses. Thus, the present invention also comprising pharmaceutical formulations comprising the compounds and methods of using the compounds and formulations to inhibit viruses or tumors and treat, prevent, or inhibit the foregoing diseases.

No. of Pages: 78 No. of Claims: 47

(22) Date of filing of Application: 16/07/2009 (43) Publication Date: 20/02/2015

(54) Title of the invention: PRE-AMPLIFIER FOR DETECTION LASERS WITHIN LASER ULTRASONIC INSPECTION **SYSTEMS** 

(21) Application No.2628/KOLNP/2009 A

(51) International classification	:G01N 29/24,G01H 9/00	(71)Name of Applicant: 1)LOCKHEED MARTIN CORPORATION
(31) Priority Document No	:11/688,379	Address of Applicant :6801 ROCKLEDGE DRIVE,
(32) Priority Date	:20/03/2007	BETHSEDA, MARYLAND 20817 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2007/088564	1)DUBOIS, MARC
Filing Date	:21/12/2007	2)DRAKE, JR., THOMAS E.
(87) International Publication No	:WO 2008/115308	3)YAWN, KENNETH R.
<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:		

#### (57) Abstract:

(19) INDIA

A pulse detection laser is provided. The pulse detection laser includes a single frequency oscillator, a continuous preamplifier, and a pulsed amplifier. The single frequency oscillator generates a seed laser beam and is optically coupled to the continuous preamplifier. The continous pre-amplifier amplifies the seed laser to produce an intermediate power laser beam. A pulsed amplifier optically coupled to the continuous pre-amplifier receives the intermediate power laser beam and amplifies the intermediate power laser beam to produce a pulse detection laser beam. One task of this pulse detection laser is to illuminate ultrasonic displacements. Light from the laser is scattered, collected, and analyzed with an interferometer to demodulate the ultrasonic displacements caused by the return echoes of the ultrasound at the surface of the part.

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

(21) Application No.2629/KOLNP/2009 A

(19) INDIA

(22) Date of filing of Application :16/07/2009 (43) Publication Date : 20/02/2015

## (54) Title of the invention: METHOD OF PURIFYING APOLIPOPROTEIN A-1

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07K 14/775 :200610147503.7 :20/12/2006 :China :PCT/US2007/020258 :19/09/2007 :WO 2008/088403 :NA :NA	(71)Name of Applicant: 1)HOANG, KIEU Address of Applicant: 30423 CANWOOD ST. #120, AGOURA HILLS, CA 91301 U.S.A. (72)Name of Inventor: 1)HOANG, KIEU 2)XIANGFEI, BAO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of purifying apolipoprotein A-I includes mixing plasma fraction IV acquired by the Cohn Ethanol Fractionation method with a 1-8 M urea solution to form a fraction IV pretreatment solution; loading the pretreatment so-lution to a first anion chromatography column, and then eluting with a 1-8 M urea solution to obtain an apoA-1 protein solution; and loading the apoA-1 protein solution from in a second anion chromatography column, and eluting with 0-1 M urea solution to obtain pure apoA-1 protein.

No. of Pages: 19 No. of Claims: 27

## 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 Applicatio	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropr iate Office
1	188956	731/DEL/1998	23/03/1998		A PROCESS FOR PREPARATION OF AN AYURVEDIC MEDICINAL COMPOSITION USEFUL FOR THE TREATMENT OF UTERUS TUMOUR.	SWAMI DR. HARIRAM ACHARYA	30/11/2002	DELHI
2	265201	2295/DELNP/2 007	10/09/2005	30/09/2004	NON-RECLOSABLE PACKAGE FOR PRODUCTS PREJUDICIAL TO HEALTH, AS WELL AS PROCESS FOR ITS PRODUCTION	LTS LOHMANN THERAPIE- SYSTEME AG	03/08/2007	DELHI
3	265208	1029/DELNP/200 4	01/11/2002	02/11/2001	A NON-LAURIC, NON-TRANS, NON-TEMPER FAT COMPOSITIONS	AARHUSKARLSHAMN DENMARK A/S	28/07/2006	DELHI
4	265209	6479/DELNP/200 8	27/12/2006	27/12/2005	SURFACE TREATED CR-FREE STEEL SHEET FOR USED IN FUEL TANK, PREPARING METHOD THEREOF AND TREATMENT COMPOSITION THEREFOR	POSCO	24/10/2008	DELHI
5	265213	1224/DELNP/200 7	23/08/2005	27/08/2004	DECORATED INJECTION- MOULDED ARTICLE, TRANSFER FILM, AND METHOD FOR PRODUCING ONE SUCH ARTICLE	LEONHARD KURZ STIFTUNG & CO. KG	03/08/2007	DELHI
6	265214	1046/DELNP/2 009	29/08/2007	30/08/2006	A METHOD FOR PREPARING AN ALKALINE-EARTH METAL COMPOUND-CONTAINING ZEOLITE CATALYST	JGC CORPORATION	20/08/2010	DELHI
7	265219	96/DEL/2009	19/01/2009 15:37:57		A NOVEL METHODOLOGY/PROCESS TO DETERMINE COLLOIDAL SILICA IN RAW & DM WATER.	NTPC LIMITED	30/07/2010	DELHI
8		5805/DELNP/2 006	12/04/2005	23/04/2004		CRODA INTERNATIONAL PLC	31/08/2007	DELHI
9	265223	9425/DELNP/2 007	29/05/2006	03/06/2005	GAS BARRIER LAYERED PRODUCT, METHOD OF MANUFACTURING THE SAME AND PACKAGING MEDIUM USING SAME	KURARAY CO., LTD.	20/06/2008	DELHI
10	265227	1424/DEL/2005	02/06/2005	27/08/2004	TRANSMISSION GEAR WITH VARIABLE PULLEY	HONDA MOTOR CO. LTD.	24/08/2007	DELHI
11	265234	162/DEL/2006	20/01/2006		PHASE CHANGE MATERIAL CAPSULE AND PROCESS FOR PREPARING THE SAME.	INDIAN INSTITUTE OF TECHNOLOGY, DELHI	17/08/2007	DELHI

12	265235	2363/DELNP/2 009	12/09/2007	13/09/2006	MAGNESIUM GADOLINIUM ALLOYS	MAGNESIUM ELEKTRON LIMITED	22/05/2009	DELHI
13	265236	2370/DEL/2007	13/11/2007 15:39:23		AN IMPROVED SINGLE STEP PROCESS FOR THE PREPARATION OF BATTERY GRADE ALPHA NICKEL HYDROXIDE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	19/06/2009	DELHI
14	265238	8277/DELNP/2 008	27/03/2007	27/03/2006	APPARATUS AND METHODS FOR THE PRODUCTION OF METAL COMPOUNDS	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	15/05/2009	DELHI
15	265239	6213/DELNP/2 009	11/03/2008	19/03/2007	COMPOSITION AND METHOD FOR TREATING DIABETES AND METABOLIC DISORDERS	ATM METABOLICS LLLP	21/05/2010	DELHI
16	265240	6072/DELNP/2 008	07/12/2006	20/12/2005	PROCESS FOR MAKING AND COMPOSITION OF LUBRICANT COMPONENT	CHEVRON U.S.A., INC.	26/09/2008	DELHI
17	265241	1316/DELNP/2 008	13/09/2006	16/09/2005	PROCESS FOR THE PREPARATION OF AN EPOXY COMPOUND AND AN ALDEHYDE	DSM IP ASSETS B.V.	20/06/2008	DELHI
18	265242	1346/DELNP/2 009	30/08/2007	07/09/2006	A PROCESS FOR THE MANUFACTURE OF N-(8-[2- HYDROXYBENZOYL]-AMINO) CAPRYLIC ACID AND ITS SODIUM SALT	F. HOFFMANN-LA ROCHE AG,EMISPHERE TECHNOLOGIES, INC.	29/05/2009	DELHI
19	265243	4210/DELNP/2 007	12/12/2005	15/12/2004	PROCESS FOR EVALUATING FOULING CAUSED BY REFINERY FEEDSTOCKS	BP OIL INTERNATIONAL LIMITED	07/09/2007	DELHI
20	265244	21/DEL/2004	06/01/2004		A PROCESS FOR THE PREPARATION OF PHARMACEUTICAL COMPOSITIONS COMPRISING OF PROTON PUMP INHIBITOR AND PROKINETIC AGENT	PANACEA BIOTEC LIMITED	28/09/2007	DELHI
21	265248	549/DELNP/2009	08/08/2007	30/08/2006	PROCESS FOR PRODUCTION OF CATALYST FOR ALKENYL ACETATE PRODUCTION	SHOWA DENKO K.K.	31/07/2009	DELHI
22	265256	7716/DELNP/200 9	06/06/2008	06/06/2007	METHODS FOR IMPROVING PROTEIN PROPERTIES	DANISCO US INC., GENENCOR DIVISION	02/07/2010	DELHI
23	265272	4019/DELNP/2 006	13/01/2005	26/01/2004	STRUCTURALLY REINFORCED RESINOUS ARTICLE AND METHOD OF MAKING	SABIC INNOVATIVE PLASTICS IP B.V.	27/04/2007	DELHI
24	265273	761/DEL/2006	22/03/2006 12:10:18		A NOVEL ENZYME MEDIATED PROCESS FOR THE PREPARATION OF 2- AMINOBENZOPHENONES	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	24/02/2012	DELHI
25	265274	2327/DEL/2004	22/11/2004	20/11/2003	A CAPSULE PARTICLE	INTERNATIONAL FLAVORS & FRAGRANCES INC.	22/09/2006	DELHI
26	265275	7669/DELNP/2 006	24/06/2005	28/06/2004	CORD FOR REINFORCING RUBBER, METHOD OF MANUFACTURING THE CORD, AND RUBBER PRODUCT USING THE CORD	NIPPON SHEET GLASS COMPANY, LIMITED	17/08/2007	DELHI

27	265276	7409/DELNP/2 007	28/04/2006	09/05/2005	CHITOSAN DERIVATIVES AND METHOD OF PRODUCING SAME	NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, DAICEL CHEMICAL INDUSTRIES, LTD.	02/11/2007	DELHI
28	265277	5607/DELNP/2 008	25/12/2006	26/12/2005	1,3-BIS(SUBSTITUTED PHENYL)-3- HYDROXYPROPAN-1-ONE OR 2-PROPEN-1-ONE COMPOUND, AND SALT THEREOF	NISSAN CHMICAL INDUSTRIES, LTD.	26/09/2008	DELHI
29	265278	8064/DELNP/200 8	30/03/2007	30/03/2006	SOLID PHARMACEUTICAL PREPARATION	NIPPON ZOKI PHARMACEUTICAL CO.,LTD	20/03/2009	DELHI
30	265279	5122/DELNP/200 8	05/12/2006	15/12/2005	MULTIPHASE ACRYLIC ADHESIVES	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH	26/09/2008	DELHI
31	265288	2239/DEL/2008	24/09/2008 12:33:38	17/10/2007	DECONTAMINATION METHOD AND SYSTEM IMPLEMENTING IT	MILLIPORE CORPORATION	19/06/2009	DELHI
32	265290	3651/DELNP/200 8	03/11/2006	04/11/2005	TRAILING ARM SUSPENSION STRUCTURE AND AXLE CARRIER	TOYOTA JIDOSHA KABUSHIKI KAISHA	20/03/2009	DELHI
33	265291	219/DEL/2004	16/02/2004		A MOTORCYCLE INCLUDING A TWO-STROKE ENGINE OF CRANKCASE SCAVENGED TYPE	RICARDO (UK) LIMITED	03/03/2006	DELHI
34	265292	516/DEL/2006	27/02/2006		PROCESS FOR PREPARATION OF LPG SELECTIVE CRACKING CATALYST	INDIAN OIL CORPORATION LIMITED	31/08/2007	DELHI
35	265293	281/DELNP/2007	23/06/2005	23/06/2004	A MELT-PROCESSABLE POLYACTIC RESIN AND A METHODE OF PRODUCING THE SAME THEREOF	NATUREWORKS LLC	03/08/2007	DELHI
36	265297	582/DELNP/20 06	03/08/2004	11/08/2003	NEEDLE ASSEMBLY	BECTON, DICKINSON AND COMPANY	17/08/2007	DELHI
37	265300	9868/DELNP/2 007	31/05/2006	01/06/2005	ANTI-IL2 ANTIBODIES	AMEGEN RESEARCH (MUNICH) GMBH	15/02/2008	DELHI
38	265303	10742/DELNP/ 2008	29/06/2007	30/06/2006	IMPROVED sgp 130Fc DIMERS	CONARIS RESEARCH INSTITUTE AG	13/03/2009	DELHI
39	265320	5249/DELNP/2 006	14/02/2005	12/02/2004	A PAINT BRUSH HOLDER	WHITEY'S PAINTING PTY LTD.	03/08/2007	DELHI
40	265322	5310/DELNP/2 007	09/02/2006	11/02/2005	A COMPOSITION COMPRISING A PYRIDYLEMTHYLBENZAMID E DERIVATIVE OF A GENERAL FORMULA (I)	BAYER CROPSCIENCE SA	31/08/2007	DELHI
41	265323	7207/DELNP/2 007	24/03/2006	24/03/2005	SELF-ADHESIVE ADDITION-CROSSLINKING SILICONE, RUBBER BLENDS, A METHOD FOR THE PRODUCTION THEREOF, METHODS FOR PRODUCING COMPOSITE MOLDED PARTS AND THE USE THEREOF	MOMENTIVE PERFORMANCE MATERIALS GMBH & CO. KG	05/10/2007	DELHI
42	265324	1032/DEL/2004	04/06/2004	05/06/2003	EXTRACTION PROCESS FOR REMOVAL OF IMPURITIES FROM AN AQUEOUS MIXTURE	EASTMAN CHEMICAL COMPANY	23/06/2006	DELHI

43	265325	4958/DELNP/2 007	16/12/2005	16/12/2004	PROCESS FOR THE PRODUCTION OF SUBSTRATE HAVING ANTIMICROBIAL PROPERTIES	AGC FLAT GLASS EUROPE SA	17/08/2007	DELHI
44	265326	9127/DELNP/2 007	24/03/2006	04/05/2005	LUBRICATING COMPOSITION HAVING IMPROVED STORAGE STABILITY	CHEVRON U.S.A.INC.	04/01/2008	DELHI
45	265327	6286/DELNP/2 006	20/04/2005	14/04/2004	A PROCESS FOR THE PRODUCTION OF AN ABUSE- PROOFED SOLID DOSAGE FORM	GRUNENTHAL GMBH	31/08/2007	DELHI
46	265330	2578/DELNP/2 008	27/09/2006	28/09/2005	HYDRAULIC BINDER COMPRISING A TERNARY ACCELERATION SYSTEM AND MORTARS AND CONCRETES COMPRISING ONE SUCH BINDER	LAFARGE	25/07/2008	DELHI
47	265331	7314/DELNP/2 006	03/06/2005	04/06/2004	PROCESS FOR PRODUCTION OF 3-ALKENYLCEPHEM COMPOUNDS	OTSUKA CHEMICAL CO LTD ,MEIJI SEIKA KAISHA PHARMA CO. LTD	27/04/2007	DELHI
48	265334	6044/DELNP/2 009	16/04/2008	14/06/2007	PHARMACEUTICAL COMPOSITION	POLA PHARMA INC.	18/06/2010	DELHI
49	265344	1736/DELNP/2 008	26/10/2006	27/10/2005	MARKING FLUID RECEPTIVE COATING AND METHOD OF FORMING THE SAME	HEWLETT- PACKARD DEVELOPMENT COMPANY, L.P.	25/07/2008	DELHI
50	265348	1290/DEL/2005	19/05/2005		INTRAVENOUS CATHETER APPARATUS	POLY MEDICURE LIMITED	12/01/2007	DELHI
51	265357	950/DELNP/20 04	18/07/2002	19/10/2001	A PROCESS FOR THE PREPARATION OF THE 14BETA-HYDROXY- BACCATIN III-1,14- CARBONATE	INDENA S.P.A.	08/02/2008	DELHI
52	265363	155/DELNP/20 07	07/06/2005	07/06/2004	SUPPORTING IDLE MODE OF MOBILE STATION IN WIRELESS ACCESS SYSTEM	LG ELECTRONICS INC.	03/08/2007	DELHI

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Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Applicatio n	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropria te Office
1	265211	916/MUMNP/2011	22/03/2010	23/03/2009	FUROPYRIMIDINEDIONE DERIVATIVES AS TRPA1 MODULATORS	GLENMARK PHARMACEUTICALS S.A.	14/10/2011	MUMBAI
2	265212	2322/MUM/2008	30/10/2008	02/11/2007	PAPER MONEY RECEIVING/DISPENSING MECHANISM	HITACHI-OMRON TERMINAL SOLUTIONS CORP.	12/06/2009	MUMBAI
3	265215	1610/MUMNP/200 6	18/04/2005	24/05/2004	A METHOD OF ENCRYPTING AND TRANSFERRING DATA BETWEEN A SENDER AND A RECEIVER USING A NETWORK	LITERA CORPORATION	01/06/2007	MUMBAI
4	265250	1882/MUMNP/200 7	12/05/2006	13/05/2005	SYSTEM AND METHOD FOR ANALYSING DISTRIBUTED TRAFFIC FLOW ON DATA PACKET NETWORK COMMUNICATION LINK	QOSMOS	07/12/2007	MUMBAI
5	265260	1303/MUMNP/200 8	10/01/2007	10/01/2006	METHOD AND APPARATUS FOR SCHEDULING IN A WIRELESS COMMUNICATION NETWORK	QUALCOMM INCORPORATED	24/10/2008	MUMBAI
6	265262	901/MUMNP/2008	24/11/2006	16/12/2005	PRECISION FORCE SENSOR COMPRISING STRAIN GAUGE ELEMENTS	SARTORIUS WEIGHING TECHNOLOGY GMBH	27/06/2008	MUMBAI
7	265263	592/MUMNP/2010	29/08/2008	29/08/2007	PROCESS FOR PRODUCING TRICHLOROSILANE	DYNAMIC ENGINEERING, INC.	13/08/2010	MUMBAI
8	265265	2862/MUM/2009	14/12/2009 12:44:52		COMPOSITION FOR MINERALIZATION OF WATER	RAJESHKUMAR MOHANLAL PUROHIT	15/10/2010	MUMBAI
9	265266	1239/MUM/2006	04/08/2006		PAPER BASED LIDDING MATERIAL FOR BLISTER PACKS	BILCARE LTD	11/07/2008	MUMBAI
10	265268	1788/MUM/2008	25/08/2008		APPARATUS AND A METHOD FOR WASTEWATER TREATMENT	THERMAX LIMITED	05/03/2010	MUMBAI
11	265269	2767/MUMNP/200 8	18/06/2007	16/06/2006	MULTICOLUMN SEQUENTIAL SEPARATION PROCESS	GROUPE NOVASEP	20/02/2009	MUMBAI
12	265270	885/MUM/2005	26/07/2005		INDUSTRIAL PALLET	MAHINDRA & MAHINDRA LTD.	01/06/2007	MUMBAI

13	265271	519/MUMNP/2009	27/06/2007	15/09/2006	A PACKAGE FOR AN APPARATUS FOR NON- INVASIVELY MONITORING BLOOD FLOW OF AN OBJECT	NANYANG POLYTECHNIC	22/05/2009	MUMBAI
14	265310	1180/MUMNP/200 8	05/01/2007	05/01/2006	POWER CONTROL USING MULTIPLE RATE INTERFERENCE INDICATIONS	QUALCOMM INCORPORATED	19/09/2008	MUMBAI
15	265313	599/MUMNP/2007	04/10/2005	06/10/2004	A METHOD OF RECOVERING A SIGNAL FROM A COMPOSITE SIGNAL AND A SPREAD SPECTRUM COMMUNICATIONS RECEIVER	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	20/07/2007	MUMBAI
16	265349	512/MUMNP/2008	29/09/2006	30/09/2005	DETENT ESCAPEMENT FOR A TIMEPIECE	URBAN JURGENSEN AG	25/04/2008	MUMBAI
17	265353	145/MUM/2005	11/02/2005		AN IMPROVED THERMAL RECLAMATION FOUNDRY SAND SYSTEM	ATRE ASHOK DATTATRAYA	24/02/2006	MUMBAI

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Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	265202	4929/CHENP/2008	20/02/2007	16/03/2006	LIVING BODY OBSERVATION DEVICE	OLYMPUS MEDICAL SYSTEMS CORP	13/03/2009	CHENNAI
2	265203	4803/CHENP/2008	26/03/2007	27/03/2006	A METHOD FOR SENDING CHANNEL STATE INFORMATION IN A WIRELESS COMMUNICATION SYSTEM AND AN APPARATUS THEREOF	QUALCOMM INCORPORATED	13/03/2009	CHENNAI
3	265204	4645/CHENP/2008	11/12/2006	03/03/2006	A BRIGHTNESS CONTROL UNIT FOR THE IMAGE OF AN ENDOSCOPE AND ENDOSCOPIC DEVICE	OLYMPUS MEDICAL SYSTEMS CORP	13/03/2009	CHENNAI
4	265205	155/CHENP/2007	07/06/2005	14/06/2004	A SAFETY INSTRUMENTED SYSTEM AND METHOD FOR USE IN DIAGNOSING OPERATION	ROSEMOUNT INC	24/08/2007	CHENNAI
5	265206	1974/CHE/2005	30/12/2005		A METHOD FOR ACTIVATING CALL DIVERSION FOR A MOBILE DEVICE USING A LANDLINE PHONE	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	27/07/2007	CHENNAI
6	265207	764/CHE/2008	28/03/2008	30/03/2007	METHOD FOR NETWORK SECURITY AUTHENTICATION	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	21/08/2009	CHENNAI
7	265210	1550/CHENP/2008	17/08/2006	29/09/2005	SCALLOPED OVAL BICOMPONENT FIBERS WITH GOOD WICKING, AND HIGH UNIFORMITY SPUN YARNS COMPRISING SUCH FIBERS	INVISTA TECHNOLOGIES S.A.R.L	28/11/2008	CHENNAI
8	265216	6623/CHENP/2008	06/04/2007	03/05/2006	FIELD COIL ASSEMBLY OF ELECTROMAGNETIC CLUTCH FOR A COMPRESSOR	HALLA VISTEON CLIMATE CONTROL CORPORATION	27/03/2009	CHENNAI
9	265217	1079/CHENP/2008	07/08/2006	05/08/2005	TISSUE PROTECTIVE PEPTIDES AND USES THEREOF	WARREN PHARMACEUTICALS INC	12/09/2008	CHENNAI

10	265218	1250/CHENP/2008	26/08/2006	14/09/2005	CLEAVAGE OF PRECURSORS OF INSULINS BY A VARIANT OF TRYPSIN	SANOFI-AVENTIS DEUTSCHLAND GMBH,F. HOFFMANN- LA ROCHE AG	28/11/2008	CHENNAI
11	265221	2541/CHE/2007	05/11/2007 17:22:50		METHOD TO NOTIFY BROADCAST SYSTEM INFORMATION CHANGE IN RADIO COMMUNICATION NETWORKS	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	11/09/2009	CHENNAI
12	265222	2492/CHE/2006	29/12/2006		A METHOD FOR OBTAINING COMPLETE DETAILS AND CONTENTS OF THE VARIOUS JOBS PERFORMED ON AN MFP	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	28/11/2008	CHENNAI
13	265224	2853/CHE/2007	30/11/2007		METHOD FOR INDICATING A CHANGE IN NETWORK DEPLOYMENT PARAMETERS OR ELECTRONIC SERVICE GUIDE DATA IN DIGITAL VIDEO BROADCASTING- HANDHELD	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	11/09/2009	CHENNAI
14	265225	2995/CHE/2007	14/12/2007 16:33:45	12/01/2007	MOVING IMAGE ENCODING DEVICE, MOVING IMAGE DECODING DEVICE, MOVING IMAGE ENCODING METHOD AND MOVING IMAGE DECODING METHOD	MITSUBISHI ELECTRIC CORPORATION	11/09/2009	CHENNAI
15	265226	441/CHENP/2007	01/07/2004	01/07/2004	SPLIT BALANCE WEIGHTS FOR ELIMINATING DENSITY EFFECT ON FLOW	MICRO MOTION, INC	24/08/2007	CHENNAI
16	265228	4694/CHENP/2008	26/03/2007	28/03/2006	AMINOTETRAHYDROPYR ANS AS DIPEPETIDYL PEPTIDASE-IV INHIBITORS FOR THE TREATMENT OR PREVENTION OF DIABETES"	MERCK SHARP & DOHME CORP.	13/03/2009	CHENNAI
17	265229	2376/CHENP/2007	30/11/2005	02/12/2004	MEASURING THE DISTANCE BETWEEN DEVICES	KONINKLIJKE PHILIPS ELECTRONICS N.V	07/09/2007	CHENNAI
18	265230	1446/CHENP/2008	29/09/2006	29/09/2005	EQUIPMENT, SYSTEM AND METHOD FOR COMMUNICATION BETWEEN CLIENT AND SERVER SIDE	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	28/11/2008	CHENNAI
19	265231	497/CHENP/2007	03/08/2005	04/08/2004	METHOD OF PREPARING A COMPOSITE IMAGE WITH NON-UNIFORM RESOLUTION	INTERGRAPH SOFTWARE TECHNOLOGIES COMPANY	24/08/2007	CHENNAI

20	265232	5501/CHENP/2008	29/04/2007	28/04/2006	A METHOD FOR GENERAL PURPOSE ARRAY PROCESSING AND AN APPARATUS THEREOF	QUALCOMM INCORPORATED,	20/03/2009	CHENNAI
21	265233	3161/CHENP/2006	28/12/2005	04/01/2005	COMMUNICATION APPARATUS AND COMMUNICATION METHOD	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	08/06/2007	CHENNAI
22	265246	1101/CHENP/2009	25/07/2007	13/09/2006	A DISCOVERY SERVICE SYSTEM FOR INVOKING A REQUESTED SERVICE AND A METHOD THEREFOR	ALCATEL LUCENT	29/05/2009	CHENNAI
23	265247	4743/CHENP/2007	21/03/2006	24/03/2005	A METHOD FOR SELECTING CONTENT AND A DEVICE THEREOF	KONINKLIJKE PHILIPS ELECTRONICS N.V.	11/01/2008	CHENNAI
24	265252	3226/CHENP/2007	21/12/2005	22/12/2004	STEAM IRONING DEVICE, IRONING BOARD AND IRONING SYSTEM	KONINKLIJKE PHILIPS ELECTRONICS N.V.	16/11/2007	CHENNAI
25	265253	4421/CHENP/2008	26/01/2007	09/02/2006	FLUTTERING PREVENTION DEVICE FOR WORKING MACHINE	NT ENGINEERING KABUSHIKI KAISHA	13/03/2009	CHENNAI
26	265255	2269/CHENP/2008	10/10/2006	07/10/2005	METHODS, SYSTEMS FOR PROVIDING ADDRESS TRANSLATION USING SUBSEQUENT ADDRESS INFORMATION	Tekelec, Global Inc.	31/07/2009	CHENNAI
27	265281	858/CHE/2005	04/07/2005	20/07/2004	REDUNDANT PROCESSOR SYSTEM, TIME RESPONSE SYSTEM AND METHOD FOR RESPONDING TO A TIME OF DAY REQUEST	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	27/07/2007	CHENNAI
28	265289	276/CHENP/2007	13/07/2005	22/07/2004	BENZOTHIAZOLE COMPOUNDS	F. HOFFMANN-LA ROCHE AG	24/08/2007	CHENNAI
29	265294	4752/CHENP/2006	06/06/2005	26/06/2004	A METHOD FOR CONTROLLING A BUS SYSTEM	ROBERT BOSCH GmbH	25/01/2008	CHENNAI
30	265295	2279/CHE/2008	18/09/2008		TOPI NUT FOR STEEL CHANNEL SLEEPERS ON RAILWAY BRIDGES AND BOLT NUT ARRANGEMENTS	P.V. NARASAIAH NAIDU	26/12/2008	CHENNAI
31	265296	5653/CHENP/2007	29/05/2006	09/06/2005	PROCESS OF MILD HYDROCRACKING INCLUDING A DILUTION OF THE FEEDSTOCK	INSTITUT FRANCAIS DU PETROLE	28/03/2008	CHENNAI
32	265298	1679/CHE/2006	14/09/2006		METHOD OF DELETING DOCUMENTS STORED IN A MULTI-FUNCTIONAL PERIPHERAL(MFP)	SAMSUNG R&D INSTITUTE INDIA - BANGALORE PRIVATE LIMITED	02/05/2008	CHENNAI
33	265301	5853/CHENP/2007	17/08/2005	21/06/2005	PROCESS FOR INCREASING PRODUCTION OF BENZENE FROM HYDROCARBON MIXTURE	SK INNOVATION CO., LTD.,	27/06/2008	CHENNAI

34	265306	791/CHENP/2009	01/09/2006	01/09/2006	METHOD AND APPARATUS FOR CONTROLLING A DISPLAY IN AN ELECTRONIC DEVICE	Research In Motion Limited	05/06/2009	CHENNAI
35	265307	6030/CHENP/2008	14/05/2007	13/05/2006	APPARATUS AND METHOD OF OPTICAL TRANSMISSION WITH NONLINEAR OPTICAL DEVICES BASED ON METAMATERIALS	LUCENT TECHNOLOGIES INC.	27/03/2009	CHENNAI
36	265308	673/CHE/2007	30/03/2007		METHOD OF REVOKING A FLOOR FORM A TERMINATING USER USING A POC SERVER	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	06/02/2009	CHENNAI
37	265309	977/CHE/2004	24/09/2004	29/09/2003	DOOR FRAME OF A SHAFT DOOR WITH A CONTROL ARRANGEMENT FOR A LIFT SHAFT AND METHOD FOR ACCESS TO A CONTROL UNIT	INVENTIO AG	04/03/2005	CHENNAI
38	265329	934/CHENP/2009	04/09/2007	06/09/2006	A METHOD THAT FACILITATES REDUCING REQUIRED FEEDBACK FOR DATA RATE CONTROL IN WIRELESS COMMUNICATION AND AN APPARATUS THEREOF	QUALCOMM INCORPORATED	29/05/2009	CHENNAI
39	265335	1225/CHE/2006	13/07/2006	15/07/2005	A PROCESS FOR HYDRO- STABILIZING A COAL LIQUEFIED OIL	CHINA PETROLEUM & CHEMICAL CORPORATION	22/06/2007	CHENNAI
40	265336	680/CHE/2006	12/04/2006		A MACHINE AND A METHOD FOR PULVERISING WOOD	IRUDHYAM PANEERSELVAM,RA MANATHAN KANNAPPAN	07/12/2007	CHENNAI
41	265343	4031/CHENP/2007	15/03/2006	17/03/2005	ANTI-BLOCKING COMPOSITIONS COMPRISING INTERPOLYMERS OF ETHYLENE/ALPHA- OLEFINS	DOW GLOBAL TECHNOLOGIES LLC	23/11/2007	CHENNAI
42	265347	488/CHENP/2007	05/07/2005	05/07/2004	LIPASE INHIBITORS	SUNTORY LIMITED	24/08/2007	CHENNAI
43	265350	1455/CHE/2005	10/10/2005		A METHOD FOR TESTING ERASABLE PROGRAMMABLE LOGIC DEVICES	INDIAN SPACE RESEARCH ORGANISATION		CHENNAI
44	265352	2543/CHE/2007	05/11/2007 17:55:20		UNIVERSAL TEST SUITE FOR FIELD PROGRAMMABLE GATE ARRAYS	INDIAN SPACE RESEARCH ORGANISATION	11/09/2009	CHENNAI
45	265354	4264/CHENP/2007	30/01/2006	28/03/2005	A CABLE AND METHOD OF MAKING A CABLE	ROCKBESTOS SURPRENANT CABLE CORP	21/12/2007	CHENNAI

46	265358	1953/CHE/2009	17/08/2009 10:31:42	16/09/2008	SOLID-LIQUID SEPARATOR	KABUSHIKI KAISHA TOSHIBA	26/03/2010	CHENNAI
47	265359	171/CHENP/2008	05/04/2006	12/07/2005	A PHARMACEUTICAL FORM HAVING AN ACTIVE SUBSTANCE- CONTAINING NUCLEUS COATED WITH PARTIALLY NEUTRALIZED, ANIONIC (METH)ACRYLATE COPOLYMER	EVONIK ROHM GmbH	19/09/2008	CHENNAI
48	265360	4816/CHENP/2008	22/03/2007	29/03/2006	A COMPARTMENT WITHIN AN INCUBATOR ENABLING CHICKS TO FEED DURING HATCHING WITHOUT REDUCING HATCHABILITY OR LIVABILITY	HATCHTECH GROUP B.V.	13/03/2009	CHENNAI
49	265361	2157/CHENP/2007	10/11/2005	18/11/2004	PROCESS AND DEVICE FOR LEAKAGE-TESTING OF A FUEL-INJECTION VALVE OF AN INTERNAL COMBUSTION ENGINE (IC-ENGINE)	ROBERT BOSCH GMBH	07/09/2007	CHENNAI

# 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 Numbe r	Application Number	Date of Applicatio n	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	265237	4867/KOLNP/200 7	08/05/2006	21/05/2005	TECHNIQUES AND SYSTEMS FOR SUPPORTING PODCASTING	APPLE INC.	15/02/2008	KOLKATA
2	265245	3943/KOLNP/200 8	12/04/2007	12/04/2006	METHOD FOR ALLOCATING REFERENCE SIGNALS IN MIMO SYSTEM	LG ELECTRONICS INC.	27/02/2009	KOLKATA
3	265249	2154/KOLNP/200 9	18/03/2008	20/03/2007	METHOD OF CONTROLLING TRANSMIT POWER IN WIRELESS COMMUNICATION SYSTEM	LG ELECTRONICS INC.	26/06/2009	KOLKATA
4	265251	799/KOLNP/2009	02/07/2008	09/07/2007	WIRELESS IC DEVICE	MURATA MANUFACTURING CO., LTD.	15/05/2009	KOLKATA
5	265254	1060/KOLNP/200 7	17/11/2005	23/12/2004	METHOD AND APPARATUS FOR AUDIO SIGNAL ENHANCEMENT	MOTOROLA, INC.	13/07/2007	KOLKATA
6	265257	3322/KOLNP/200 6	23/05/2005	21/05/2004	SCORED PHARMACEUTICAL TABLETS COMPRISING A PLURALITY OF SEGMENTS	ACCU-BREAK TECHNOLOGIES, INC.,	15/06/2007	KOLKATA
7	265258	3571/KOLNP/200 8	20/04/2007	21/04/2006	METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING CHANNEL QUALITY INFORMATION IN A WIRELESS COMMUNICATION SYSTEM	SAMSUNG ELECTRONICS CO., LTD.	20/02/2009	KOLKATA
8	265259	4121/KOLNP/200 7	28/04/2006	29/04/2005	METHOD FOR TRANSMITTING LOCATION INFORMATION	LG ELECTRONICS INC.	02/01/2009	KOLKATA
9	265261	3769/KOLNP/200 6	16/05/2005	14/05/2004	RECOMBINANTLY PREPARED POLYPEPTIDE FROM H. INFLUENZAE AND COMPOSITION THEREOF	NOVARTIS VACCINES & DIAGNOSTICS SRL	15/06/2007	KOLKATA
10	265264	4441/KOLNP/200 8	04/05/2007	05/05/2006	SIMULTANEOUS INTERFACE USE	GIESECKE & DEVRIENT GMBH	13/03/2009	KOLKATA
11	265267	3632/KOLNP/200 6	01/06/2005	01/06/2004	A METHOD OF PREPARING UNAGGLOMERATED, DISPERSED CORE/SHELL NANOCOMPOSITE PARTICLES IN SUSPENSION	THE PENN STATE RESEARCH FOUNDATION	15/06/2007	KOLKATA
12	265280	2761/KOLNP/200 9	14/03/2008	16/03/2007	A METHOD AND APPARATUS FOR TRANSMITTING A SIGNAL FOR A RANDOM ACCESS PROCEDURE	LG ELECTRONICS INC.	13/08/2010	KOLKATA

13	265282	860/KOL/2007	07/06/2007	08/06/2006	KEYBOARD APPARATUS	YAMAHA CORPORATION	21/12/2007	KOLKATA
14	265283	2481/KOLNP/200 9	07/01/2008	05/01/2007	METHOD AND APPARATUSES FOR TRANSMITTING AND RECEIVING CONTROL INFORMATION IN A SINGLE CARRIER-FREQUENCY DIVISION MULTIPLE ACCESS (SC-FDMA) SYSTEM	SAMSUNG ELECTRONICS CO., LTD.	14/08/2009	KOLKATA
15	265284	3600/KOLNP/200 7	29/03/2006	29/03/2005	METHOD OF GENERATING LOWER LAYER DATA BLOCK IN WIRELESS MOBILE COMMUNICATION SYSTEM	LG ELECTRONICS INC	27/06/2008	KOLKATA
16	265285	3576/KOLNP/2007	30/03/2006	31/03/2005	METHOD FOR BIOMETRICALLY VERIFYING A COMPARISON FINGERPRINT OF A PERSON AND CHIP CARD THEREFOR	GIESECKE & DEVRIENT GMBH	18/01/2008	KOLKATA
17	265286	833/KOL/2008	07/05/2008	06/06/2007	A SEMICONDUCTOR SUBASSEMBLY FOR A SWITCHING MODULE OF AN INVERTER CIRCUIT FOR A HIGH POWER,ALTERNATING CURRENT MOTOR	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	24/04/2009	KOLKATA
18	265287	1463/KOLNP/2009	22/08/2007	20/09/2006	PROCESS FOR MANUFACTURING ULTRA LOW CONSISTENCY α- AND - BLEND STUCCO	UNITED STATES GYPSUM COMPANY	05/06/2009	KOLKATA
19	265299	308/KOL/2009	18/02/2009 15:44:54	25/04/2008	CONTROL SYSTEM AND METHOD FOR FILTERING DEPENDENT DIAGNOSTIC TROUBLE CODES	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	30/10/2009	KOLKATA
20	265302	4765/KOLNP/200 7	13/06/2006	14/06/2005	TRANSMITTING APPARATUS, TRANSMITTING METHOD, RECEIVING APPARATUS AND RECEIVING METHOD	NTT DOCOMO, INC.	18/07/2008	KOLKATA
21	265304	1640/KOL/2007	05/12/2007		A WATER PRE-HEATER DEVICE IN A HEAT RECOVERY SYSTEM GENERATOR SYSTEM FOR ENHANCING THE PERFORMANCE OF HRSG	BHARAT HEAVY ELECTRICALS LIMITED	19/06/2009	KOLKATA
22	265305	705/KOLNP/2009	07/08/2007	07/08/2006	DATA TRANSMISSION METHOD USING MAPPING ON SIGNAL CONSTELLATION	LG ELECTRONICS INC.	15/05/2009	KOLKATA
23	265311	110/KOL/2007	29/01/2007		AN IMPROVED FASTENING SYSTEM FOR RAILWAY CROSSINGS.	GOENKA RAJESH	22/05/2009	KOLKATA
24	265312	1338/KOL/2006	11/12/2006	17/01/2006	AN AUTOMOTIVE ACCESSORY DRIVE SYSTEM FOR A HYBRID ELECTRIC VEHICLE AND A METHOD OF OPERATING THE SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS,INC	03/04/2009	KOLKATA

25	265314	254/KOLNP/2007	23/09/2005	30/09/2004	A RIVET OR SCREW CONNECTION OF A FIRST COMPONENT TO A SECOND COMPONENT	FAURECIA INNENRAUM SYSTEME GMBH	29/06/2007	KOLKATA
26	265315	1124/KOL/2008	27/06/2008	30/07/2007	AN INVERTER SYSTEM FOR A VEHICLE AND METHOD OF CONTROLLING THE SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	24/04/2009	KOLKATA
27	265316	688/KOL/2005	29/07/2005		A PROCESS FOR CONVERSION OF BASIC OXYGEN FURNACE SLAG INTO CONSTRUCTION MATERIALS	TATA STEEL LIMITED	10/08/2007	KOLKATA
28	265317	1672/KOLNP/200 8	13/09/2007	19/09/2006	DEVELOPER CARRYING DEVICE, DEVELOPING DEVICE, PROCESS UNIT, AND IMAGE FORMING APPARATUS	RICOH COMPANY, LTD	26/12/2008	KOLKATA
29	265318	2091/KOLNP/200 8	01/12/2006	02/12/2005	DEVICE MANAGEMENT METHOD USING BROADCAST CHANNEL	LG ELECTRONICS INC.	16/01/2009	KOLKATA
30	265319	459/KOLNP/2007	11/08/2005	11/08/2004	BALL-AND SOCKET JOINT	TRW AUTOMOTIVE GMBH	06/07/2007	KOLKATA
31	265321	643/KOLNP/2008	23/10/2007	26/10/2006	A BATCH WISE METHOD OF HYDROLYTIC SACCHARIFICATION OF A CELLULOSIC BIOMASS WITH USE OF PLURAL PRESSURE VESSELS	KAWASAKI JUKOGYO KABUSHIKI KAISHA	17/04/2009	KOLKATA
32	265328	5212/KOLNP/200 8	23/05/2007	25/05/2006	TREATMENT OF ERECTILE DYSFUNCTION AND LIBIDO ENHANCEMENT	CSIR	27/03/2009	KOLKATA
33	265332	3109/KOLNP/200 6	13/05/2005	13/05/2004	RETRACTABLE FINNING TOOL AND METHOD OF USING	WOLVERINE TUBE, INC.	08/06/2007	KOLKATA
34	265333	4822/KOLNP/200 7	13/06/2006	14/06/2005	MOBILE STATION, BASE STATION AND METHOD	NTT DOCOMO, INC.	04/07/2008	KOLKATA
35	265337	390/KOL/2008	29/02/2008	09/04/2007	A METHOD FOR SELECTING A SHIFT SCHEDULE FOR A TRANSMISSION IN A MOTOR VEHICLE	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA
36	265338	1021/KOLNP/200 8	21/09/2006	30/09/2005	FEED UNIT	CONTINENTAL AUTOMOTIVE GMBH	19/12/2008	KOLKATA
37	265339	3346/KOLNP/200 6	17/05/2004	18/05/2004	DEVICE AND METHOD FOR CHECKING BANKNOTES	GIESECKE & DEVRIENT GMBH	15/06/2007	KOLKATA
38	265340	391/KOL/2008	29/02/2008	04/04/2007	A FUEL INEJCTOR ASSEMBLY MOUNTABLE WITHIN AN INJECTOR BORE DEFINED BY A CYLINDER HEAD ASSEMBLY	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA
39	265341	316/KOL/2008	21/02/2008	14/03/2007	TURBOCHARGER ASSEMBLY WITH CATALYST COATING FOR INTERNAL COMBUSTION ENGINE	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	03/10/2008	KOLKATA

40	265342	2757/KOLNP/200 9	07/02/2008	07/02/2007	METHOD AND DEVICE FOR THE ENTRAINED-FLOW GASIFICATION OF SOLID FUELS UNDER PRESSURE	TECHNISCHE UNIVERSIT,,T BERGAKADEMIE FREIBERG	13/11/2009	KOLKATA
41	265345	1134/KOL/2007	16/08/2007 17:27:58		CYCLONE FOR DENSE MEDIUM SEPARATION	TATA STEEL LIMITED	03/04/2009	KOLKATA
42	265346	158/KOL/2007	02/02/2007	28/02/2006	INPUT DEVICE FOR AN ELECTRONIC DEVICE AND ELECTRONIC DEVICE HAVING THE SAME	LG ELECTRONICS INC.	21/09/2007	KOLKATA
43	265351	4100/KOLNP/200 8	21/03/2007	21/03/2007	TERAHYDRO- PYRIMIDOAZEPINES AS MODULATORS OF TRPV1	JANSSEN PHARMACEUTICA N.V.	17/04/2009	KOLKATA
44	265355	507/KOL/2006	29/05/2006	08/06/2005	APPARATUS AND METHOD FOR INPUTTING CHARACTERS OF MOBILE TERMINAL	LG ELECTRONICS INC.	22/06/2007	KOLKATA
45	265356	1031/KOLNP/200 7	28/08/2004	28/08/2004	AN ARRANGEMENT AND A METHOD IN COMMUNICATION NETWORKS	TELEFONAKTIEBO LAGET LM ERICSSON (PUBL)	13/07/2007	KOLKATA
46	265362	3062/KOLNP/200 6	22/04/2005	23/04/2004	ANODE ACTIVE MATERIAL WITH IMPROVED ELECTROCHEMICAL PROPERTIES AND ELECTROCHEMICAL DEVICE COMPRISING THE SAME	LG CHEM, LTD.	08/06/2007	KOLKATA

# **CONTINUED TO PART- 2**

#### CONTINUED FROM PART- 1

# **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

## DESIGN CORRIGENDUM

The Registered Design No. 261042 which has been erroneously published in the official Journal of India dated 16/01/2015, part –II, at page 21470, column 3 in the name of VOLVO BUS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN, OF SE-405 08 GÜTEBORG, SWEDEN Class 12-16, Date of Registration 18/03/2014, Titled as BUMPER CORNER FOR A VEHICLE, Priority NA should read as VOLVO BUS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN, OF SE-405 08 GÖTEBORG, SWEDEN Class 12-16, Date of Registration 18/03/2014, Titled as BUMPER CORNER FOR A VEHICLE, Priority NA

# THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of HAMMER PLUS JEWELLERY PVT. LTD. registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
203431 203432 203433	11-01 11-01 11-01	J.E.HAMMER & SOHNE GROUP GMBH, A COMPANY INCORPORATED UNDER THE LAWS OF GERMANY, WHOSE ADDRESS IS SIMMLERSTR, 17, PFORZHEIM, BADEN-WURTTEMBERG, 75172, GERMANY

# CANCELLATION PROCEEDINGS under Section 19 of the Designs Act, 2000

(01)

"The Asstt. Controller of Patents & Designs by his order dated 17/2/2015 in respect of petition for cancellation filed by Bonjour International having office at 15 U.A., Jawahar Nagar, Delhi – 110 007 (Petition No. Can/008/2012) cancelled the registration of registered Design No. 225311 dated 13/10/2009 under class 09-01 titled as 'Flask' in the name of Eagle Home Appliances Pvt. Ltd., a company incorporated under the Indian Companies Act, at 77, Shivarkar Road, 4<sup>th</sup> Floor, Parmar Gallery, Wanowari, Pune – 411040, Maharashtra, India"

(02)

"The Asstt. Controller of Patents & Designs by his order dated 17/2/2015 in respect of petition for cancellation filed by Raman Gupta, Sole proprietor of M/s. Bonjour Impex having office at 15 U.A., Jawahar Nagar, Opp, Tikona Park, Delhi – 110 007 (Petition No. Can/009/2012) cancelled the registration of registered Design No. 225311 dated 13/10/2009 under class 09-01 titled as 'Flask' in the name of Eagle Home Appliances Pvt. Ltd., a company incorporated under the Indian Companies Act, at 77, Shivarkar Road, 4<sup>th</sup> Floor, Parmar Gallery, Wanowari, Pune – 411040, Maharashtra, India"

# **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	247838	12.02.2015
2.	247839	12.02.2015
3.	247840	12.02.2015
4.	247841	12.02.2015
5.	247842	12.02.2015
6.	248454	12.02.2015
7.	248455	12.02.2015
8.	248458	12.02.2015
9.	248460	12.02.2015
10.	248461	12.02.2015
11.	248465	12.02.2015
12.	248466	12.02.2015
13.	248467	12.02.2015
14.	248468	12.02.2015
15.	249260	12.02.2015
16.	249261	12.02.2015

#### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

DESIGN NUMBER	263761	
CLASS	26-02	
MACHHALIYA AND (3) ASLAM B NATIONAL PARTNERS OF ARRO FIRM HAVING ITS PRINCIPAL PI	ACHHALIYA (2) AYUB BHAI AMINBHAI HAI AMINBHAI MACHHALIYA ALL INDIAN W ELECTRICALS AN INDIAN PARTNERSHIP LACE OF BUSINESS AT FATION ROAD) PO. BOX NO. 41, PALANPUR-	
DATE OF REGISTRATION	30/06/2014	
TITLE	TORCH	
PRIORITY NA		
DESIGN NUMBER	263733	
CLASS	23-04	
1)HAVELLS INDIA LIMITED HA 1, RAJ NARAIN MARG, CIVIL LI		
DATE OF REGISTRATION	27/06/2014	
TITLE	FAN	
PRIORITY NA		
DESIGN NUMBER	266213	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TITLE	TEXTILE FABRIC	
PRIORITY NA		MALO ALLA

DESIGN NUMBER		266265	
CLASS	05-05		<b>这种高级全国的</b>
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPO MALL, MUMBAI-400 078 MAHARA DATE OF REGISTRATION	DER THE PROVISION GISTERED OFFICE UND, KANJURMARG SHTRA, INDIA.	N OF THE COMPANIES AT RELIABLE HOUSE,	
TITLE	TEXT	TILE FABRIC	公 是 "是一个是一个
PRIORITY NA			
DESIGN NUMBER		250642	
CLASS		12-08	
1)MAN TRUCK & BUS AG, A GE DACHAUER STR. 667, 80995 MU		F	
DATE OF REGISTRATION	03	3/01/2013	
TITLE	DRIVERS CAB C	OF A UTILITY VEHICLE	
PRIORITY PRIORITY NUMBER 001335236	DATE 04/07/2012	COUNTRY OHIM	
DESIGN NUMBER		261986	
CLASS		09-01	
1) <b>PEPSICO, INC., INCORPORAT</b> 700 ANDERSON HILL ROAD, PU OF AMERICA			
DATE OF REGISTRATION	24/04/2014		
TITLE	BOTTLE		
PRIORITY PRIORITY NUMBER 29/470,789	DATE COUNTRY		
27/710,107	24/10/2013	U.S.A.	(
			ass

DESIGN NUMBER		262271	
CLASS	24-99		
1)ORTHO-TAIN, INC., OF THE AI 950 GREEN BAY ROAD, SUITE 20 AMERICA		50093, UNITED STATES OF	
DATE OF REGISTRATION	C	01/05/2014	205
TITLE		CE FOR CORRECTION OF NG AND SPEECH HABITS	2.0
PRIORITY	1		1
PRIORITY NUMBER	DATE	COUNTRY	AND DESCRIPTION OF THE PERSON
29/473,808	26/11/2013	U.S.A.	
DESIGN NUMBER		264976	
CLASS		01-01	With the state of
1)M/S. GOLDEN CHOCOLATES P INCORPORATED UNDER THE INE J-6, SECTOR-4, BAWANA, DELHI DATE OF REGISTRATION	OIAN COMPANIES A -110039	ACT, 1956),	
TITLE	22/08/2014 CHOCOLATE		
PRIORITY NA			
DESIGN NUMBER	266188		
CLASS	05-05		東京の12 mm後年を146
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISIO GISTERED OFFICE IND, KANJURMARO HTRA, INDIA.	N OF THE COMPANIES AT RELIABLE HOUSE, G (WEST), OPP. HUMA	
DATE OF REGISTRATION	29/09/2014		2 A A A A A A A A A A A A A A A A A A A
TITLE	TEXTILE FABRIC		主き継続を後述
PRIORITY NA			

DESIGN NUMBER		266245	
CLASS	05-05		CANADA CAR CAR
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RES SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A UND, KANJURMARG (	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29/	/09/2014	
TITLE	TEXTI	LE FABRIC	
PRIORITY NA			ADADADADAD
DESIGN NUMBER	2	66306	
CLASS		05-05	
ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	30/09/2014		***
TITLE	TEXTILE FABRIC		
PRIORITY NA			进二条1条1条1条1条
DESIGN NUMBER		61984	
CLASS	09-01		
1) <b>PEPSICO, INC., INCORPORATI</b> 700 ANDERSON HILL ROAD, PU OF AMERICA			
DATE OF REGISTRATION	24/04/2014		
TITLE	BOTTLE		
PRIORITY		153	
PRIORITY NUMBER	DATE COUNTRY		
29/470,789	24/10/2013	U.S.A.	400

DESIGN NUMBER	266181	
CLASS	05-05	
COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE SITUATED AT	TE LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES EGISTERED OFFICE AT RELIABLE HOUSE,  UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	<i>ტიტიტიტიტი</i> ტ
TITLE	TEXTILE FABRIC	Jelelelelelelelel
PRIORITY NA		A A A A A A A A A A A A A A A A A A A
DESIGN NUMBER	264973	
CLASS	07-02	
1) <b>HAVELLS INDIA LIMITED, A</b> I 1, RAJ NARAIN MARG, CIVIL L	N INDIAN, HAVING REGISTERED OFFICE AT INES, DELHI 110054.	4
ATE OF REGISTRATION 22/08/2014		
TITLE WATER HEATER		
PRIORITY NA		The Contract of the Contract o
DESIGN NUMBER	263736	
CLASS	23-04	
1) <b>HAVELLS INDIA LIMITED H</b> A 1, RAJ NARAIN MARG, CIVIL L	VING REGISTERED OFFICE AT INES, DELHI 110054.	
DATE OF REGISTRATION	27/06/2014	0
TITLE	FAN	
PRIORITY NA		

DESIGN NUMBER	266241
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	261987
CLASS	09-01

1)PEPSICO, INC., INCORPORATED IN NORTH CAROLINA OF 700 ANDERSON HILL ROAD, PURCHASE, NEW YORK 10577, UNITED STATES

700 ANDERSON HILL ROAD, PURCHASE, NEW YORK 10577, UNITED STATES OF AMERICA

DATE OF REGISTRATION	24/04/2014
TITLE	BOTTLE



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/470,789	24/10/2013	U.S.A.

DESIGN NUMBER	261566
CLASS	12-16

# 1)MAHINDRA & MAHINDRA LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	07/04/2014
TITLE	SUNVISOR IN VEHICLE



DESIGN NUMBER	266246	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	* * *
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	266271	
CLASS	05-05	
SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	,	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		Programme and American Special and
DESIGN NUMBER	266307	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.  30/09/2014  TEXTILE FABRIC	
	ILATILETADRIC	
PRIORITY NA		

DESIGN NUMBER		262175	
CLASS		25-02	
1)JANSEN HOLDING B.V., HAVI THE ADDRESS RENSWOUDSESTRAATWEG 12			The state of the s
DATE OF REGISTRATION	0	1/05/2014	
TITLE	GRATINGS FOR	HOUSING OF POULTRY	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002338939-0001	05/11/2013	OHIM	
DESIGN NUMBER		263762	
CLASS		26-02	
MACHHALIYA AND (3) ASLAM B NATIONAL PARTNERS OF ARRO FIRM HAVING ITS PRINCIPAL PI (C/O. CHOICE ELECTRICALS, S' 385001, GUJARAT-INDIA	W ELECTRICALS A LACE OF BUSINESS	N INDIAN PARTNERSHI AT	
DATE OF REGISTRATION	30/06/2014		
TITLE		TORCH	
PRIORITY NA			
DESIGN NUMBER		263734	
CLASS	23-04		
1) <b>HAVELLS INDIA LIMITED HA</b> 1, RAJ NARAIN MARG, CIVIL L		O OFFICE AT	Y
DATE OF REGISTRATION	2	7/06/2014	Contract of the second
TITLE		FAN	
PRIORITY NA			

DESIGN NUMBER	266183	
CLASS	05-05	ale ale ale ale ale
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	266239	
CLASS	05-05	ST ST
ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS		
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		(1) (4)
DESIGN NUMBER	266266	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA GHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		

DESIGN NUMBER	266302	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	30/09/2014	がある。
TITLE	TEXTILE FABRIC	and the state of t
PRIORITY NA		<b>*****</b>
DESIGN NUMBER	266187	
CLASS	05-05	
SITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS  DATE OF REGISTRATION	JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA. 29/09/2014	
PRIORITY NA	TEXTILE FABRIC	
DESIGN NUMBER	266217	
CLASS	05-05	Kindshippinghippin
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA	
DATE OF REGISTRATION	29/09/2014	TO SERVE WITH THE
TITLE	TEXTILE FABRIC	DECEMBER OF STREET
PRIORITY NA	TEATHEETABARC	

DESIGN NUMBER	266243	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	teleteleteletelet
TITLE	TEXTILE FABRIC	mmmmmm
PRIORITY NA		
DESIGN NUMBER	266269	
CLASS	05-05	
SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	·	
DATE OF REGISTRATION	29/09/2014	7.5 7.25
TITLE	TEXTILE FABRIC	\$ £55 \$ £5
PRIORITY NA		
DESIGN NUMBER	266305	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	30/09/2014	* TO TO
TITLE	TEXTILE FABRIC	
PRIORITY NA		Since Since

DESIGN NUMBER		262833	
CLASS		07-05	
1)HAVELLS INDIA LIMITED HA 1, RAJ NARAIN MARG, CIVIL LI		OFFICE AT	
DATE OF REGISTRATION	23/05/2014		
TITLE		IRON	
PRIORITY NA			
DESIGN NUMBER		262938	
CLASS		03-03	
1)GOEL, ANISH; AN INDIAN NAT F5 PUSHPANJALI FARMS, BIJW.			
DATE OF REGISTRATION	2:	8/05/2014	
TITLE	UMBRELLA I	FOR TWO-WHEELER	
PRIORITY NA			
DESIGN NUMBER		264449	
CLASS	26-03		
1)SCHREDER S.A. OF RUE DE LUSAMBO, 67, B. 11 <sup>e</sup> COMPANY	90 BRUXELLES, BEL	GIUM, A BELGIUM	
DATE OF REGISTRATION	04/08/2014		
TITLE	OUTDOOR LIGHTING FIXTURE		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
001407571-0001	31/03/2014	OHIM	

DESIGN NUMBER		266173	
CLASS		05-05	· 30004 · 30001 · 30004 ·
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE UND, KANJURMARG	N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION		9/09/2014	Dr
TITLE	TEXT	TILE FABRIC	A STATE OF THE STA
PRIORITY NA			
DESIGN NUMBER		262610	
CLASS		26-05	
1)LINAK A/S, A DANISH COMPANY, OF SMEDEVA!NGET 8, GUDERUP, DK-6430 NORDBORG, DENMARK			
DATE OF REGISTRATION	15/05/2014		
TITLE	BED LIGHT		
PRIORITY	_		
PRIORITY NUMBER	DATE	COUNTRY	
DA 2013 00082	16/11/2013	DENMARK	_
DESIGN NUMBER		263631	
CLASS		14-02	
1)BROTHER INDUSTRIES LTD., EXISTING UNDER THE LAWS OF 15-1, NAESHIRO-CHO, MIZUHO-	JAPAN,		
DATE OF REGISTRATION	24/06/2014		
TITLE	TONER CARTRIDGE		S. C.
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-030481	26/12/2013	JAPAN	

DESIGN NUMBER	26372		_
CLASS	17-01		
1)SYDNEY MATHEWS, A CANAL 200 RIDEAU TERRACE, APT 1400			
DATE OF REGISTRATION	27/06/20	)14	
TITLE	PIANO KEY		4//
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
155813	02/04/2014	CANADA	
DESIGN NUMBER	26620	7	
CLASS	05-05	í	
ACT, 1956, AND HAVING ITS'S RESITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS  DATE OF REGISTRATION  TITLE	JND, KANJURMARG (WES	T), OPP. HUMA	
PRIORITY NA  DESIGN NUMBER	26626	3	
CLASS	05-05		+
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	E LIMITED, AN INDIAN PER THE PROVISION OF TE GISTERED OFFICE AT RI UND, KANJURMARG (WES	RIVATE LIMITED THE COMPANIES ELIABLE HOUSE,	
DATE OF REGISTRATION	29/09/20	)14	
TITLE	TEXTILE F.	ABRIC	pring pring pring
			ia pina pina



DESIGN NUMBER		266299	
CLASS		05-05	20 TO 10
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE JND, KANJURMARG	NOF THE COMPANIE AT RELIABLE HOUS	CS 💮
DATE OF REGISTRATION	30	0/09/2014	76
TITLE	TEXT	TLE FABRIC	
PRIORITY NA			
DESIGN NUMBER		262745	
CLASS		19-06	
UNDER THE LAWS OF JAPAN, OF 1-1, OIMAZATO-MINAMI 6-CHO JAPAN	ORPORATION ORGANIZED AND EXISTING  OME, HIGASHINARI-KU, OSAKA-SHI, OSAKA,		
DATE OF REGISTRATION	21/05/2014		
TITLE	PEN		
PRIORITY		<u> </u>	
PRIORITY NUMBER	DATE	COUNTRY	
2013-027404	22/11/2013	JAPAN	
DESIGN NUMBER		261988	
CLASS		09-01	
1)PEPSICO, INC., INCORPORATI 700 ANDERSON HILL ROAD, PU OF AMERICA			TES
DATE OF REGISTRATION	24/04/2014		\ /
TITLE	BOTTLE		\
PRIORITY			_ bed
PRIORITY NUMBER	DATE	COUNTRY	
29/470,789	24/10/2013	U.S.A.	

CLASS  1)ORTHO-TAIN, INC., OF THE ADDRESS 950 GREEN BAY ROAD, SUITE 205, WINNETKA, IL-60093, UNITED STATES OF AMERICA  DATE OF REGISTRATION  ORAL APPLIANCE FOR CORRECTING SNORING  PRIORITY  PRIORITY  PRIORITY NUMBER  DATE  266247  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  DESIGN NUMBER  266308  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AND INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AND INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANY INCORPORATED UNDER THE PROVISION OF THE PROVISION OF THE C	SIGN NUMBER		262273	
950 GREEN BAY ROAD, SUITE 205, WINNETKA, IL-60093, UNITED STATES OF AMERICA  DATE OF REGISTRATION  ORAL APPLIANCE FOR CORRECTING SNORING  PRIORITY  PRIORITY NUMBER  DATE  COUNTRY  29/473,805  DESIGN NUMBER  CLASS  O5-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  DESIGN NUMBER  CLASS  O5-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	ASS	24-99		
PRIORITY  PRIORITY NUMBER  DATE  COUNTRY  29/473,805  DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	950 GREEN BAY ROAD, SUITE 205		0093, UNITED STATES OF	
PRIORITY  PRIORITY NUMBER  DATE  29/473,805  DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAL-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  DESIGN NUMBER  DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	TE OF REGISTRATION	01	1/05/2014	
PRIORITY NUMBER  DATE  COUNTRY  29/473,805  DESIGN NUMBER  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  TITLE  TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER  266308  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	r <b>LE</b>			
DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  TITLE  TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER  CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	IORITY			
DESIGN NUMBER  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  29/09/2014  TITLE TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER 266308  CLASS 05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	IORITY NUMBER	DATE	COUNTRY	
CLASS  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION  29/09/2014  TITLE  TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER  266308  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	473,805	26/11/2013	U.S.A.	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION 29/09/2014  TITLE TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER 266308  CLASS 05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	SIGN NUMBER		266247	
COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.  DATE OF REGISTRATION 29/09/2014  TITLE TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER 266308  CLASS 05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	ASS		05-05	eye ave ave
TITLE TEXTILE FABRIC  PRIORITY NA  DESIGN NUMBER  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA			
PRIORITY NA  DESIGN NUMBER  266308  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	TE OF REGISTRATION	·		
DESIGN NUMBER  CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	(LE	TEXTILE FABRIC		
CLASS  05-05  1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	IORITY NA			
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	SIGN NUMBER		266308	
COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES	ASS		05-05	
SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.	MPANY INCORPORATED UNDE T, 1956, AND HAVING ITS'S REG TUATED AT HANUMAN SILK MILL COMPOUN	R THE PROVISION STERED OFFICE D, KANJURMARG	N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION 30/09/2014	TE OF REGISTRATION	30	0/09/2014	The state of the s
TITLE TEXTILE FABRIC	(LE	TEXT	TILE FABRIC	

DESIGN NUMBER		261990	
CLASS		09-01	
1) <b>PEPSICO, INC., INCORPORA</b> 700 ANDERSON HILL ROAD, I OF AMERICA			ES
DATE OF REGISTRATION	2	24/04/2014	
TITLE		BOTTLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/470,789	24/10/2013	U.S.A.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DESIGN NUMBER		264796	
220101110112211			
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA INI	OIA,/		008
CLASS	<b>DIA,</b> / NY INCORPORATED U	E ROAD, MUMBAI-400	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA INI A PRIVATE LIMITED COMPAI	<b>DIA,</b> / NY INCORPORATED U RESS	E ROAD, MUMBAI-400	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA INI A PRIVATE LIMITED COMPAI COMPANIES ACT., ABOVE ADDR	OIA, / NY INCORPORATED URESS	E ROAD, MUMBAI-400 UNDER INDIAN	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA IND A PRIVATE LIMITED COMPANICOMPANIES ACT., ABOVE ADDR DATE OF REGISTRATION	OIA, / NY INCORPORATED URESS	E ROAD, MUMBAI-400 UNDER INDIAN	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA IND A PRIVATE LIMITED COMPAN COMPANIES ACT., ABOVE ADDR DATE OF REGISTRATION TITLE	OIA, / NY INCORPORATED URESS	E ROAD, MUMBAI-400 UNDER INDIAN	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA INDESTATE OF MAHARASHTRA INDESTATE OF MAHARASHTRA INDESTATE OF REGISTRATION  TITLE  PRIORITY NA	OIA, / NY INCORPORATED URESS	E ROAD, MUMBAI-400 UNDER INDIAN 18/08/2014 UME BOTTLE	008
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA IND A PRIVATE LIMITED COMPANIES ACT., ABOVE ADDE DATE OF REGISTRATION TITLE  PRIORITY NA  DESIGN NUMBER	DIA, / NY INCORPORATED URESS PERF  TORS PVT. LTD., HAVE DOAPUR ROAD, NEW 1	E ROAD, MUMBAI-400 UNDER INDIAN  18/08/2014 UME BOTTLE  260113 25-02 VING ITS OFFICE AT	
CLASS  1)A. A. ATTARWALA & CO. PV STATE OF MAHARASHTRA IND A PRIVATE LIMITED COMPANIES ACT., ABOVE ADDE  DATE OF REGISTRATION  TITLE  PRIORITY NA  DESIGN NUMBER  CLASS  1)HITECH ALUM (I) FABRICA WZ-69/C, TODAPUR, MAIN TO	DIA, / NY INCORPORATED URESS PERF  TORS PVT. LTD., HAVE DOAPUR ROAD, NEW INCOMPANY	E ROAD, MUMBAI-400 UNDER INDIAN  18/08/2014 UME BOTTLE  260113 25-02 VING ITS OFFICE AT	

DESIGN NUMBER	266192
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014		
TITLE	TEXTILE FABRIC		



#### PRIORITY NA

DESIGN NUMBER	266222		
CLASS	05-05		

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014		
TITLE	TEXTILE FABRIC		



#### PRIORITY NA

DESIGN NUMBER	266249		
CLASS	05-05		

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	



DESIGN NUMBER		266310		
CLASS		05-05	* *	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.				* * * *
DATE OF REGISTRATION		30/09/2014		000000000000
TITLE		TEXTILE FABR	C	(XXXXXXXXX
PRIORITY NA				
DESIGN NUMBER		261994		
CLASS		09-01		9
1)PEPSICO, INC., INCORPORATED IN NORTH CAROLINA OF 700 ANDERSON HILL ROAD, PURCHASE, NEW YORK 10577, UNITED STATES OF AMERICA				
DATE OF REGISTRATION		24/04/2014		
TITLE		BOTTLE		
PRIORITY			53	
PRIORITY NUMBER	DATE	DATE COUNTRY		
29/470,789	24/10/2013	24/10/2013 U.S.A.		
DESIGN NUMBER		260413		
CLASS		25-01	and the same of th	
1)RITTAL GMBH & CO. KG. AUF DEM STÜTZELBERG, 35745 HERBORN, GERMANY (A COMPANY INCORPORATED UNDER THE LAWS OF GERMANY)				
DATE OF REGISTRATION	17/02/2014			
TITLE	METAL PROFILE FOR SWITCHGEAR CABINETS			
PRIORITY			0 0 0	
PRIORITY NUMBER	ATE COUNTRY			0 0 0
002294132	20/08/2013	EUROPEAN UN	10 TO	

DESIGN NUMBER			.66254	
CLASS		05-05		
1)M/S. BIBA APPARELS PRIVA COMPANY INCORPORATED UN ACT, 1956, AND HAVING ITS'S R SITUATED AT HANUMAN SILK MILL COMPO MALL, MUMBAI-400 078 MAHAR	DER 1 EGIS1 DUND,	MITED, AN INDIA THE PROVISION TERED OFFICE A KANJURMARG (	AN PRIVATE LIMITED OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION		29/	09/2014	
TITLE		TEXTI	LE FABRIC	
PRIORITY NA	•			OOOOOOOO
DESIGN NUMBER		2	65404	
CLASS		I	07-06	
1)MA DESIGN INDIA PRIVATE INDIA HAVING ITS PRINCIPAL A-41, SECTOR-80, PHASE-II, No	PLACI	E OF BUSINESS A	ΛT	The state of the s
DATE OF REGISTRATION		04/09/2014		The state of the s
TITLE		ICE BUCKET		al e
PRIORITY NA				
DESIGN NUMBER		261991		
CLASS		09-01		9
1) <b>PEPSICO, INC., INCORPORA</b> 700 ANDERSON HILL ROAD, F OF AMERICA				
DATE OF REGISTRATION		24/04/2014		
TITLE		BOTTLE		
PRIORITY			PS	
PRIORITY NUMBER		DATE COUNTRY		
29/470,789		24/10/2013 U.S.A.		

DESIGN NUMBER	264798	
CLASS	08-07	
UTKARSH CO.OP.HSG.LTD. ANAM MANDIR ROAD, VAZIRA NAKA, B OF MAHARASHTRA, INDIA.	INDIAN NATIONAL) 102/1ST FLOOR NDROA PAWAR HIGH SCHOOL, RAM SORIVALI (WEST), MUMBAI-400092, STATE NDUSTRIES. AN INDIAN PROPRIETORSHIP	
DATE OF REGISTRATION	18/08/2014	
TITLE	SEAL	<u> </u>
PRIORITY NA		
DESIGN NUMBER	262284	
CLASS	07-01	900
1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI DATE OF REGISTRATION		
TITLE	02/05/2014 PITCHER	
PRIORITY NA		
DESIGN NUMBER	262370	
CLASS	LASS 08-06	
CHORATIYA (BOTH PARTNERS A PARTNERS OF SOMNATH METAI PLACE OF BUSINESS	BHOOT (2) DINESHBHAI MAGANBHAI ARE ADULT & INDIAN NATIONAL) AND L (INDIAN PARTNERSHIP FIRM) HAVING LADA INDUSTRIES, 80 FEET ROAD, GUJARAT (INDIA)	
DATE OF REGISTRATION	06/05/2014	
TITLE	HANDLE	
PRIORITY NA		7

DESIGN NUMBER	257312		
CLASS 23-01			
1)INDIAN INSTITUTE OF TECHNOLOGY, MADRAS HAVING IT PRINCIPLE PLACE OF BUSINESS AT DEPARTMENT OF CHEMISTRY, INDIAN INSTITUTE			

1)INDIAN INSTITUTE OF TECHNOLOGY, MADRAS HAVING IT PRINCIPLE PLACE OF BUSINESS AT DEPARTMENT OF CHEMISTRY, INDIAN INSTITUTE OF TECHNOLOGY MADRAS, IIT P.O. CHENNAI 600036, INDIA AND INNONANO RESEARCH PRIVATE LIMITED HAVING IT PRINCIPLE PLACE OF BUSINESS AT

7/30, II MAIN ROAD, KASTURIBAI NAGAR, ADYAR, CHENNAI-600020, INDIA, NATIONALITY: INDIAN

DATE OF REGISTRATION	09/10/2013
TITLE	DRINKING WATER PURIFIER

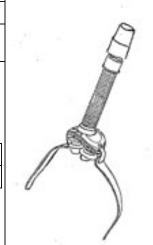


### PRIORITY NA

DESIGN NUMBER 258091			
CLASS 24-04			
1)RESMED LTD. HAVING AN OFFICE AND PLACE OF BUSINESS AT			

1)RESMED LTD, HAVING AN OFFICE AND PLACE OF BUSINESS AT 1 ELIZABETH MACARTHUR DRIVE, BELLA VISTA, NEW SOUTH WALES, 2153, AUSTRALIA

DATE OF REGISTRATION	12/11/2013
TITLE	FRAME ASSEMBLY FOR PATIENT INTERFACE



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/461,681	26/07/2013	U.S.A.

DESIGN NUMBER	266194
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

TITLE TEXTILE FABRIC	



DESIGN NUMBER	266223	
CLASS	05-05	6 9
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	<b>艺术证言</b> 苏启
TITLE	TEXTILE FABRIC	
PRIORITY NA		the second second second
DESIGN NUMBER	266250	
CLASS	05-05	)
SITUATED AT	GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	266311	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	30/09/2014	MEMBER
TITLE	TEXTILE FABRIC	
		NOVO 2000 AND

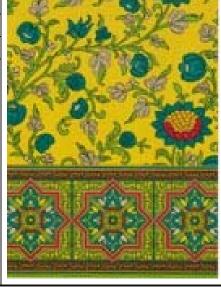
DESIGN NUMBER	261	953	
CLASS	26-05		_ ^
1) <b>3D LIGHTING INNOVATIONS I</b> 5151 THIMENS BOULEVARD, SA			
DATE OF REGISTRATION	23/04	/2014	HAV.
TITLE	WALL LIGHTIN	NG ORNAMENT	
PRIORITY PRIORITY NUMBER 153516	DATE 23/10/2013	COUNTRY	
DESIGN NUMBER	259	655	V
CLASS	24-03		
1) <b>MOHAMMAD HARIS AYOUBI,</b> FLAT 501, BUILDING A-0, AL KH UNITED ARAB EMIRATES, A UAE N	OR TOWERS, AL RASH	EDIYA 1, AJMAN,	
DATE OF REGISTRATION	24/01/2014		
TITLE	TONGUE COVER		A CONTRACTOR OF THE PARTY OF TH
PRIORITY NA			
DESIGN NUMBER	264234		
CLASS	25-99		
1)APL APOLLO TUBES LIMITED REGISTERED AND INCORPORATI THE COMPANIES ACT, 1956), HAV 36, KAUSHAMBI, NEAR ANAND INDIA, INDIAN NATIONAL	ED IN INDIA UNDER TI ING ITS OFFICE AT	HE PROVISIONS OF	
DATE OF REGISTRATION	25/07	/2014	
TITLE	HOLLOW SECTION PIPE		
PRIORITY NA			

DESIGN NUMBER		262668	
CLASS	12-16		
1)HONDA MOTOR CO., LTD., A ( 1-1, MINAMI-AOYAMA 2-CHOM			
DATE OF REGISTRATION	1	6/05/2014	
TITLE	SIDE COVER	FOR MOTORCYCLES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	-0
2013-027033	19/11/2013	JAPAN	
DESIGN NUMBER		263333	
CLASS		13-03	
$0, 7, \infty$ $0, AMAKNATH ESTATE, F$	R. KRISHNA GOPAL ESTATE, NARODA AT STATE, INDIA 13/06/2014		
ROAD, AHMEDABAD-380025, GUJA	RAT STATE, INDIA	,	
DATE OF REGISTRATION	RAT STATE, INDIA	3/06/2014	
DATE OF REGISTRATION TITLE	RAT STATE, INDIA	,	
DATE OF REGISTRATION TITLE PRIORITY NA	RAT STATE, INDIA	3/06/2014 SWITCH	
DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER	RAT STATE, INDIA	3/06/2014 SWITCH 266225	
DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS	RAT STATE, INDIA	3/06/2014 SWITCH 266225 05-05	
DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER	E LIMITED, AN INDIER THE PROVISION GISTERED OFFICE	3/06/2014 SWITCH  266225 05-05 DIAN PRIVATE LIMITED N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION TITLE PRIORITY NA  DESIGN NUMBER CLASS  1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RESITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS	E LIMITED, AN IND ER THE PROVISIO GISTERED OFFICE JND, KANJURMARG SHTRA, INDIA	3/06/2014 SWITCH  266225 05-05 DIAN PRIVATE LIMITED N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS  1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU	E LIMITED, AN IND ER THE PROVISION GISTERED OFFICE JND, KANJURMARG SHTRA, INDIA	3/06/2014 SWITCH  266225 05-05 DIAN PRIVATE LIMITED N OF THE COMPANIES AT RELIABLE HOUSE, G (WEST), OPP. HUMA	

DESIGN NUMBER	266252
CLASS	05-05

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	265403
CLASS	07-06

1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

A-41, SECTOR-80, PHASE-II, NOIDA-201305, U.P. INDIA.

DATE OF REGISTRATION	04/09/2014
TITLE	COASTER (SET)



### PRIORITY NA

DESIGN NUMBER	262371
CLASS	08-06

1)(1) GOVINDBHAI MULJIBHAI BHOOT (2) DINESHBHAI MAGANBHAI CHORATIYA (BOTH PARTNERS ARE ADULT & INDIAN NATIONAL) AND PARTNERS OF SOMNATH METAL (INDIAN PARTNERSHIP FIRM) HAVING PLACE OF BUSINESS AT-

6, PATEL NAGAR, NR. BHALADA INDUSTRIES, 80 FEET ROAD, SORATHIWADI, RAJKOT-360001 - GUJARAT (INDIA)

DATE OF REGISTRATION	06/05/2014
TITLE	HANDLE
PRIORITY NA	



DESIGN NUMBER	264233		
CLASS	23-01		
1)APL APOLLO TUBES LIMITED REGISTERED AND INCORPORATE THE COMPANIES ACT, 1956), HAV 36, KAUSHAMBI, NEAR ANAND INDIA, INDIAN NATIONAL	ED IN INDIA UNDER ING ITS OFFICE AT	R THE PROVISIONS OF	
DATE OF REGISTRATION	25	5/07/2014	
TITLE	HOLLOW	SECTION PIPE	
PRIORITY NA			
DESIGN NUMBER		262577	
CLASS		06-04	
1)M/S. NATASHA ENGINEERS PV PLOT NO. 8, SECTOR-24, FARIDA			
DATE OF REGISTRATION	13	3/05/2014	
TITLE	Al	LMIRAH	N 17
PRIORITY NA			
DESIGN NUMBER		263331	
CLASS		23-04	
1)DAIKIN INDUSTRIES LTD., A J UMEDA CENTER BUILDING, 4-1 OSAKA-SHI, OSAKA-FU, JAPAN			
DATE OF REGISTRATION	13/06/2014		
TITLE	AIR CONDITIONER		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
CN201430024219.6	29/01/2014 CHINA		

DESIGN NUMBER		266224	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UNDI ACT, 1956, AND HAVING ITS'S REC SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE IND, KANJURMARG	N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29	9/09/2014	
TITLE	TEXTILE FABRIC		3000000000000000
PRIORITY NA			
DESIGN NUMBER		254493	
CLASS		22-01	
1)MAGPUL INDUSTRIES CORPORATION, 400 YOUNG COURT, UNIT 1, ERIE, COLORADO 80516, UNITED STATES OF AMERICA, A COLORADO CORPORATION			
DATE OF REGISTRATION	13/06/2013		
TITLE	REAR UNIT FOR A FIREARM		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
29/441,128	31/12/2012	U.S.A.	]
DESIGN NUMBER		265402	
CLASS	07-01		
1)MA DESIGN INDIA PRIVATE LI INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI	ACE OF BUSINESS	AT	
DATE OF REGISTRATION	04/09/2014		
TITLE		LID	
PRIORITY NA			

DESIGN NUMBER	266166	
CLASS	05-05	
COMPANY INCORPORATED UNDI ACT, 1956, AND HAVING ITS'S REC SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, ND, KANJURMARG (WEST), OPP. HUMA HTRA, INDIA.	
DATE OF REGISTRATION	ATE OF REGISTRATION 29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		3.4 8 8 4 8 T
DESIGN NUMBER	264237	
<b>CLASS</b> 26-02		
1)KRPC ENTERPRISES PVT. LTD UNDER THE COMPANIES ACT, 19: C-561, DSIIDC INDUSTRIAL ARE		
DATE OF REGISTRATION	25/07/2014	
TITLE	EMERGENCY LIGHT	
PRIORITY NA		
DESIGN NUMBER	264822	
CLASS	12-16	
1)DEERE & COMPANY, A US COL ONE JOHN DEERE PLACE, MOLI		
DATE OF REGISTRATION	18/08/2014	
TITLE	FOOTSTEP ASSEMBLY FOR A VEHICLE	
PRIORITY NA		

DESIGN NUMBER	266199
CLASS	05-05
COMPANY INCORPORATED UN ACT, 1956, AND HAVING ITS'S RI SITUATED AT	TE LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES EGISTERED OFFICE AT RELIABLE HOUSE,
MALL MUMBAL-400 078 MAHARA	

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER	266228
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



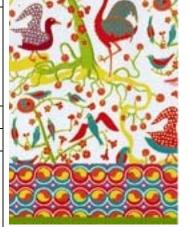
### PRIORITY NA

	DESIGN NUMBER	266256
CLASS 05-05	CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER		266292	
CLASS		05-05	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE JND, KANJURMARG	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	30	0/09/2014	- * - * * * * * * * * * * * * * * * * *
TITLE	TEXT	TLE FABRIC	
PRIORITY NA			· · · · · · · · · · · · · · · · · · ·
DESIGN NUMBER		262785	
CLASS		11-01	<i>(</i> 1)
1)RITESH RAJENDRA SHAH, AN INDIAN NATIONAL WHOSE ADDRESS IS 1605, TOWER NO. 2, CASA GRANDE, SENAPATI BAPAT MARG, LOWER PAREL (WEST), MUMBAI 400 013			
DATE OF REGISTRATION	21/05/2014		
TITLE	GEMSTONE		
PRIORITY NA			•
DESIGN NUMBER		261808	
CLASS	14-99		
1)SUMAN K. MULUMUDI, 16802 57TH AVENUE, S.E., SNOHOMISH, WA 98296, UNITED STATES OF AMERICA, A CITIZEN OF UNITED STATES OF AMERICA AND MAHESH S. MULUMUDI,  16802 57TH AVENUE, S.E., SNOHOMISH, WA 98296, UNITED STATES OF AMERICA, A CITIZEN OF UNITED STATES OF AMERICA			
DATE OF REGISTRATION	16/04/2014		
TITLE	ELECTRONIC DEVICE CASING		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/469,889	15/10/2013	U.S.A.	W 77 Au

DESIGN NUMBER		262002	
CLASS	13-03		1
1)SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED, 78 WATERLOO ROAD, MACQUARIE PARK 2113, NEW SOUTH WALES, AUSTRALIA, AN AUSTRALIAN COMPANY			
DATE OF REGISTRATION		24/04/2014	
TITLE	A BRIDGE FOR A	N ELECTRICAL ENCLOSURE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
15403/2013	24/10/2013	AUSTRALIA	
DESIGN NUMBER		266167	
CLASS		05-05	
SITUATED AT HANUMAN SILK MILL COMPO MALL, MUMBAI-400 078 MAHARA		RG (WEST), OPP. HUMA	
DATE OF REGISTRATION		29/09/2014	
TITLE	TE	EXTILE FABRIC	
PRIORITY NA	<u> </u>		
DESIGN NUMBER		264823	
CLASS	12-16		
1)DEERE & COMPANY, A US CORPORATION OF ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265 - 8098, USA			
DATE OF REGISTRATION	18/08/2014		
TITLE	COWL UNIT FOR A VEHICLE		
PRIORITY NA			

DESIGN NUMBER	264996	
CLASS	02-03	
MR. GIRIDHARI CHANDAK., HAV	VT LTD., REPRESENTED BY ITS DIRECTOR ING OFFICE AT: AHAPUR, BELGAUM-590003, NATIONALITY:	500
DATE OF REGISTRATION	22/08/2014	
TITLE	HELMET	
PRIORITY NA		
DESIGN NUMBER	266200	
CLASS	05-05	
ACT, 1956, AND HAVING ITS'S RE SITUATED AT	ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	266229	
CLASS	05-05	ARVAR ARVAR
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS		
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	THE
PRIORITY NA		ANOMA O ANOMA

DESIGN NUMBER	266257	
CLASS	05-05	000000000
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	266293	
CLASS	05-05	
ACT, 1956, AND HAVING ITS'S RE SITUATED AT	ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.  30/09/2014  TEXTILE FABRIC	
DESIGN NUMBER	257722	
CLASS	09-07	
VARMORA AND (4). KALPESH A. I DIRECTORS OF VARMORA PLAS' INCORPORATED UNDER THE CO PRINCIPLE PLACE OF BUSINESS PO. VASNA CHACHARVADI, NR		
DATE OF REGISTRATION	24/10/2013	SINS HER WAYNER OF THE
TITLE	CONTAINER LID	1
PRIORITY NA		

DESIGN NUMBER	2	266174	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RESITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A JND, KANJURMARG (	OF THE COMPANIES AT RELIABLE HOUSE,	AND STATE OF THE PARTY OF THE P
DATE OF REGISTRATION	29/	/09/2014	South With the Sales
TITLE	TEXTI	LE FABRIC	
PRIORITY NA			
DESIGN NUMBER	263759		
CLASS	12-11		
1) <b>HONDA MOTOR CO., LTD., A</b> J 1-1, MINAMI-AOYAMA 2-CHOM	The same		
DATE OF REGISTRATION	30/06/2014		4 C
TITLE	MOTORCYCLE		CAL OF LAND
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
2014-000140	08/01/2014	JAPAN	_
DESIGN NUMBER	2	266209	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RESITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A JND, KANJURMARG (	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29/09/2014		
TITLE	TEXTI	LE FABRIC	************
PRIORITY NA			

DESIGN NUMBER		26	66300	
CLASS		0	5-05	CHECHECHECH
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARA	ER THE PROVI GISTERED OFF JND, KANJURM	SION ( TCE A	OF THE COMPANIES I RELIABLE HOUSE,	
DATE OF REGISTRATION		30/0	09/2014	
TITLE	7	ΓΕΧΤΙΙ	E FABRIC	
PRIORITY NA				
DESIGN NUMBER		26	52003	
CLASS		1	3-03	
1)SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED, 78 WATERLOO ROAD, MACQUARIE PARK 2113, NEW SOUTH WALES, AUSTRALIA, AN AUSTRALIAN COMPANY				
DATE OF REGISTRATION	24/04/2014		04/2014	
TITLE	A BRIDGE FOR AN ELECTRICAL ENCLOSURE		ECTRICAL ENCLOSURE	
PRIORITY				F
PRIORITY NUMBER	DATE		COUNTRY	
15404/2013	24/10/2013		AUSTRALIA	
DESIGN NUMBER	266168		66168	
CLASS	05-05		5-05	SOURCE TO THE SOURCE THE
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPON MALL, MUMBAI-400 078 MAHARAS	ER THE PROVI GISTERED OFF JND, KANJURM	SION ( ICE A'	OF THE COMPANIES IT RELIABLE HOUSE,	
DATE OF REGISTRATION		29/0	09/2014	
TITLE	7	TEXTIL	E FABRIC	
PRIORITY NA				A355A3556A3566A356

DESIGN NUMBER	263920	
CLASS	15-03	
1)DEERE & COMPANY, A US COR ONE JOHN DEERE PLACE, MOLI		
DATE OF REGISTRATION	08/07/2014	
TITLE	CULTIVATOR BLADE	



DESIGN NUMBER	264824	
CLASS	12-16	
1)DEERE & COMPANY, A US CORPORATION OF ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265 - 8098, USA		
DATE OF REGISTRATION	18/08/2014	
TITLE	FOOTSTEP ASSEMBLY FOR A VEHICLE	



DESIGN NUMBER

CLASS	02-03
MR. GIRIDHARI CHANDAK., HAV	VT LTD., REPRESENTED BY ITS DIRECTOR ING OFFICE AT: AHAPUR, BELGAUM-590003, NATIONALITY:
DATE OF REGISTRATION	22/08/2014
TITLE	HELMET
PRIORITY NA	

264997

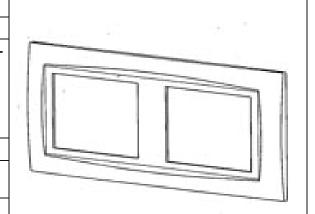


DESIGN NUMBER	263294
CLASS	13-03

1)LEGRAND FRANCE 128 AVENUE DU MARÉCHAL DE LATTRE-DE-TASSIGNY, 87000 LIMOGES - FRANCE, A FRENCH COMPANY AND

LEGRAND SNC, 128 AVENUE DU MARÉCHAL DE LATTRE DE TASSIGNY, 87000 LIMOGES - FRANCE, A GENERAL PARTNERSHIP FRENCH COMPANY

DATE OF REGISTRATION	12/06/2014
TITLE	COVER PLATE FOR ELECTRIC APPARATUS



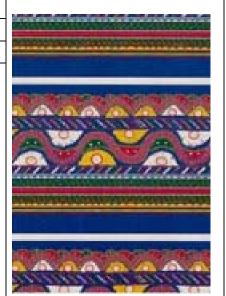
#### PRIORITY NA

DESIGN NUMBER	266201
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	266230
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER		265409	
CLASS	07-01		
1)MA DESIGN INDIA PRIVATE I INDIA HAVING ITS PRINCIPAL P A-41, SECTOR-80, PHASE-II, NO	LACE OF BUSINESS	AT	
DATE OF REGISTRATION	04/09/2014		NEW TOWN
TITLE	WINE GLASS		
PRIORITY NA			
DESIGN NUMBER		261964	
CLASS		15-09	
1)SINTOKOGIO, LTD., A JAPANI 11-11, NISHIKI 1-CHOME, NAKA		AICHI 4600003, JAPAN	
DATE OF REGISTRATION	ATION 23/04/2014		
TITLE	DISTRIBUTOR FOR	R SHOTBLAST MACHINE	
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
2013-028929	10/12/2012 JAPAN		
DESIGN NUMBER 266169			
CLASS 05-05			
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE OND, KANJURMARG	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29/09/2014		
TITLE	TEXT	ILE FABRIC	特和沙特中,是是
PRIORITY NA	PRIORITY NA		

CLASS  1)PAUL HETTICH GMBH & CO. KG, OF VAHRENKAMPSTRASTRASSE 12-16, 32278 KIRCHLENGERN, GERMANY  DATE OF REGISTRATION  23/01/2014  TITLE FURNITURE RACK  PRIORITY  PRIORITY NUMBER DATE COUNTRY  002282160-0002 26/07/2013 OHIM  DESIGN NUMBER 264243  CLASS 08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION 25/07/2014  TITLE KEY  PRIORITY NA  DESIGN NUMBER 264831 CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	DESIGN NUMBER
OF VAHRENKAMPSTRASTRASSE 12-16, 32278 KIRCHLENGERN, GERMANY  DATE OF REGISTRATION  23/01/2014  TITLE  FURNITURE RACK  PRIORITY  PRIORITY NUMBER  DATE  COUNTRY  002282160-0002  26/07/2013  OHIM  DESIGN NUMBER  264243  CLASS  08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	CLASS
TITLE FURNITURE RACK  PRIORITY  PRIORITY NUMBER DATE COUNTRY  002282160-0002 26/07/2013 OHIM  DESIGN NUMBER 264243  CLASS 08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION 25/07/2014  TITLE KEY  PRIORITY NA  DESIGN NUMBER 264831  CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	
PRIORITY PRIORITY NUMBER DATE COUNTRY 002282160-0002 26/07/2013 OHIM  DESIGN NUMBER 264243 CLASS 08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION 25/07/2014  TITLE KEY PRIORITY NA  DESIGN NUMBER 264831 CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	DATE OF REGISTRATION
PRIORITY NUMBER  DATE  COUNTRY  002282160-0002  26/07/2013  OHIM  DESIGN NUMBER  264243  CLASS  08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	TITLE
002282160-0002   26/07/2013   OHIM	PRIORITY
DESIGN NUMBER  CLASS  08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	PRIORITY NUMBER
CLASS  08-07  1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	002282160-0002
1)INDUSCH TRADEX PVT LTD, PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	DESIGN NUMBER
PLOT NO G-547, ROAD G-1, B/H RAJENDRA COLD STORAGE, GIDC METODA (LODHIKA), TALUKA: LODHIKA, DIST.: RAJKOT-360021, GUJARAT, INDIA, INDIAN COMPANY.  DATE OF REGISTRATION  25/07/2014  TITLE  KEY  PRIORITY NA  DESIGN NUMBER  264831  CLASS  07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	CLASS
TITLE KEY  PRIORITY NA  DESIGN NUMBER 264831  CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	(LODHIKA), TALUKA: LODHIKA, DI INDIAN COMPANY.
PRIORITY NA  DESIGN NUMBER 264831  CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	
CLASS 07-02  1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	
1) POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER	DESIGN NUMBER
	CLASS
THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS 901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400067, MAHARASHTRA, INDIA	THE INDIAN COMPANIES ACT, 195 901-906, 9TH FLOOR, CELLO TRI
DATE OF REGISTRATION 18/08/2014	DATE OF REGISTRATION
TITLE CONTAINER	TITLE
PRIORITY NA	PRIORITY NA

DESIGN NUMBER	263563	
<b>CLASS</b> 09-01		500
REGISTERED OFFICE AT	<b>APANY REGISTERED IN INDIA, HAVING ITS</b> 3 512, STATE OF MAHARASHTRA, INDIA, OF	
DATE OF REGISTRATION	20/06/2014	
TITLE	BOTTLE	181
PRIORITY NA		
DESIGN NUMBER	261367	
CLASS 31-00		
COMPANIES ACT, 1956 HAVING I	A COMPANY REGISTERED UNDER THE IS REGISTERED OFFICE AT .MANYAPURA MAIN ROAD, BANGALORE-	
DATE OF REGISTRATION	28/03/2014	
TITLE	BASE UNIT OF A MIXER GRINDER	
PRIORITY NA		PRIOR TO REPORT THE NAME
DESIGN NUMBER	266202	
CLASS	05-05	to the the the the the
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.		
DATE OF REGISTRATION	29/09/2014	144444
TITLE	TITLE TEXTILE FABRIC	

<b>DESIGN NUMBER</b> 266231	
<b>CLASS</b> 05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITE	

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	265411
CLASS	07-06

1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

A-41, SECTOR-80, PHASE-II, NOIDA-201305, U.P. INDIA.

DATE OF REGISTRATION	04/09/2014
TITLE	HOLDER (FOR SUGAR)



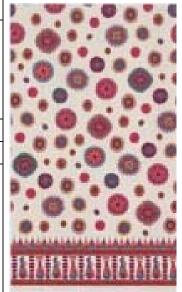
# PRIORITY NA

DESIGN NUMBER	266172
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER		262607	
CLASS	24-02		
1)KARL STORZ GMBH & CO. KO MITTELSTRASSE 8, D-78532 TU			
DATE OF REGISTRATION	15	5/05/2014	
TITLE	LAPAROSCOPIO	C VACUUM GRASPER	
PRIORITY			State Literary
PRIORITY NUMBER	DATE	COUNTRY	
002345470	14/11/2013	OHIM	
DESIGN NUMBER	<u>'</u>	258866	
CLASS		05-06	(astinotinotinotinotinot
SOCIETE ANONYME, 23RD KM. ATHENS-LAMIA HIGI NATIONALITY-GREECE DATE OF REGISTRATION	,	65, GREECE, 0/12/2013	
TITLE	ARTIFICAL OR NATURAL SHEET MATERIAL		1
PRIORITY	AKTII ICAL OK NAT	OKAL SHLLI WATEKI	<u></u>
PRIORITY NUMBER	DATE COUNTRY		
002316323	26/09/2013	OHIM	- Charles Control Control
DESIGN NUMBER		266205	
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A	OF THE COMPANIES AT RELIABLE HOUSE,	deletatetetetetetetetet
DATE OF REGISTRATION	29/09/2014		
TITLE	TEXT	ILE FABRIC	(a) and (a) and (a) and (a) and (a) and (a) and (a)
PRIORITY NA	1		

DESIGN NUMBER		266235	
CLASS	05-05		Moder 1907
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RES SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A UND, KANJURMARG (	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29	/09/2014	
TITLE	TEXT	LE FABRIC	Mailenanchilaitenanch
PRIORITY NA			C. F. SC. A. PRICE BY CO.
DESIGN NUMBER	2	266298	
CLASS		05-05	62673362678
HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS	SHTRA, INDIA.	·	
DATE OF REGISTRATION	30/09/2014		
TITLE	TEXTILE FABRIC		6 6 6 6 6
PRIORITY NA			
DESIGN NUMBER	262744		
CLASS	19-06		
1)KOKUYO S&T CO., LTD., A CO UNDER THE LAWS OF JAPAN, OF 1-1, OIMAZATO-MINAMI 6-CHO JAPAN.			
DATE OF REGISTRATION	21/05/2014		
TITLE	PEN		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-027403	22/11/2013 JAPAN		

DESIGN NUMBER		262319	
CLASS		13-03	
1) <b>HAVELLS INDIA LIMITED H</b> 1, RAJ NARAIN MARG, CIVIL I		OFFICE AT	
DATE OF REGISTRATION	0.5	5/05/2014	-
TITLE	ELECTRIC	AL CONTACTOR	0-
PRIORITY NA			999999
DESIGN NUMBER		266170	
CLASS		05-05	
ACT, 1956, AND HAVING ITS'S R SITUATED AT HANUMAN SILK MILL COMPO MALL, MUMBAI-400 078 MAHAR	OUND, KANJURMARG	,	100000000000000000000000000000000000000
DATE OF REGISTRATION	29	9/09/2014	1000000000000000000000
TITLE	TEXTILE FABRIC		
PRIORITY NA			
DESIGN NUMBER		264250	
CLASS		24-02	
1)OMRON HEALTHCARE CO., EXISTING UNDER THE LAWS O 53, KUNOTSUBO, TERADO-CH	F JAPAN, OF		
DATE OF REGISTRATION	25	5/07/2014	
TITLE	SPHYGM	OMANOMETER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2014-001839	30/01/2014	JAPAN	

DESIGN NUMBER	266203
CLASS	05-05

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

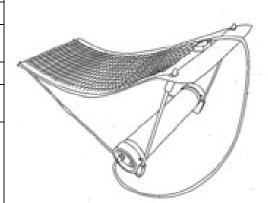
DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



## PRIORITY NA

DESIGN NUMBER	262980		
CLASS	13-02		
1)FUTURE TECHNOLOGIES INC., 2/43 EPIP, PHASE-1, JHARMAJRI-BADDI-H.P. INDIA			
DATE OF REGISTRATION	30/05/2014		
TITLE	PORTABLE FIELD SOLAR POWER CHARGER CUM GENERATOR		

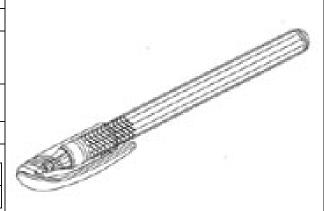
263172



# PRIORITY NA

**DESIGN NUMBER** 

CLASS		1	19-06
1)PENTEL KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 7-2, NIHONBASHI KOAMI-CHO, CHUO-KU, TOKYO, JAPAN			
DATE OF REGISTRATION	06/06/2014		
TITLE	BALLPOINT PEN		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
2013-028933		10/12/2013	JAPAN



DESIGN NUMBER	261845	
CLASS	12-13	
1)MR. PANCHAPAKESAN AT NO. 347, 3RD FLOOR, ARCOT TAMIL NADU	ROAD, KODAMBAKKAM, CHENNAI-600 024,	R
DATE OF REGISTRATION	17/04/2014	
TITLE	BATTERY OPERATED VEHICLE	
PRIORITY NA		C I I I I I I I I I I I I I I I I I I I
DESIGN NUMBER	265412	
CLASS	07-99	
1)MA DESIGN INDIA PRIVATI INDIA HAVING ITS PRINCIPAL A-41, SECTOR-80, PHASE-II, N	ALL SALES	
DATE OF REGISTRATION	04/09/2014	CERTIFICATION OF THE PROPERTY
TITLE	TRAY (FOR HOLDING FRUITS)	
PRIORITY NA		
DESIGN NUMBER	262981	
CLASS	13-02	
1)FUTURE TECHNOLOGIES I 2/43 EPIP, PHASE-1, JHARMA		
DATE OF REGISTRATION	30/05/2014	
TITLE	PORTABLE SOLAR POWER CHARGER CUM GENERATOR	
PRIORITY NA		

DESIGN NUMBER	261388	
CLASS	07-01	
1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI		
DATE OF REGISTRATION	31/03/2014	
TITLE	SERVING DISH	
PRIORITY NA		
DESIGN NUMBER	266204	
CLASS	05-05	
ACT, 1956, AND HAVING ITS'S REGITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS		
DATE OF REGISTRATION	29/09/2014	/ 0 / 0 / 0
TITLE	TEXTILE FABRIC	2/2/2/2
PRIORITY NA		
DESIGN NUMBER	266234	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		

DESIGN NUMBER		266261	
CLASS		05-05	信念の一信念の
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE UND, KANJURMARG	N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	2	9/09/2014	
TITLE	TEXT	ΓILE FABRIC	\$ \( \int \$ \int \text{\$ \int \$ \text{\$ \int \text{\$ \int \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$ \text{\$ \int \$ \text{\$ \text{\$\$ \text{\$ \text{\$ \text{\$\$ \text{\$ \text{\$ \text{\$ \text{\$ \text{\$ \text{\$ \text{\$
PRIORITY NA			A CONTRACTOR OF THE PARTY OF TH
DESIGN NUMBER		261871	
CLASS		12-16	
1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA.			W. Company
DATE OF REGISTRATION	21/04/2014		
TITLE	HORN SWITC	H OF TWO WHEELER	to Accord
PRIORITY NA			
DESIGN NUMBER	261989		
CLASS	09-01		
1)PEPSICO, INC., INCORPORATI 700 ANDERSON HILL ROAD, PU OF AMERICA			
DATE OF REGISTRATION	24/04/2014		
TITLE	BOTTLE		
PRIORITY			24
PRIORITY NUMBER	DATE COUNTRY		
29/470,789	24/10/2013 U.S.A.		

DESIGN NUMBER	261574
CLASS	15-03

1)JAYAVIJAYAN DAYALAN, AN INDIAN, OF SOUTHERN AGRO ENGINE PRIVATE LIMTED, 24 A, PHASE III, INDUSTRIAL ESTATE, GUINDY CHENNAI, 600032, INDIA

A COMPANY REGISTERED AS SMALL SCALE ENTITY, BY DEPARTMENT OF INDUSTRIES, GOVT. OF TAMIL NADU

DATE OF REGISTRATION	07/04/2014
TITLE	WEED REMOVER



#### PRIORITY NA

DESIGN NUMBER	266191
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



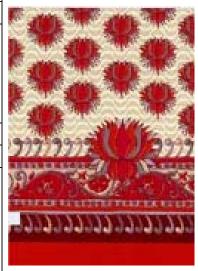
#### PRIORITY NA

DESIGN NUMBER	266221
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



DESIGN NUMBER	266248	
CLASS	05-05	Tomas states, though states, though sta
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	door god, door god, door g door god, door god, door g door god, door god, door g
DATE OF REGISTRATION	29/09/2014	Contract Contract Contract
TITLE	TEXTILE FABRIC	, daga yang daga yang daga ya
PRIORITY NA		Art is the Coll is the Boll is
DESIGN NUMBER	266273	
CLASS	05-05	A PARTIE VERY DE PARTIE
ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.		The Contract
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	200200020000000000000000000000000000000
PRIORITY NA		
DESIGN NUMBER	266309	
CLASS	05-05	The Name of States
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  JND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	30/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		""""

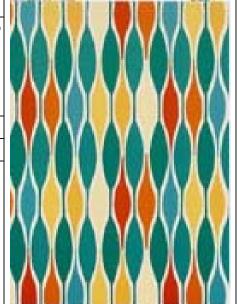
DESIGN NUMBER		261995	
CLASS	09-01		
1)PEPSICO, INC., INCORPORATI 700 ANDERSON HILL ROAD, PU OF AMERICA			
DATE OF REGISTRATION	2.	4/04/2014	
TITLE	I	BOTTLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/470,789	24/10/2013	U.S.A.	
DESIGN NUMBER		261015	
CLASS		24-01	
1)EYE CARE AND CURE ASIA PT ADDRESS AT 10 UBI CRESCENT #05-29, UBI T	ECHPARK, SINGAPO	DRE 408564, SINGAPORE	
DATE OF REGISTRATION		8/03/2014	
TITLE	FRONT EYE	E INCISION DEVICE	
PRIORITY	D + mr	GOVINEDAY	1
PRIORITY NUMBER	DATE	COUNTRY	
29/467,336	18/09/2013	U.S.A.	
DESIGN NUMBER		266165	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE UND, KANJURMARG	N OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	29/09/2014		
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	259445	
CLASS	15-09	
NATIONALS, TRADING AS HELIX PARTNERSHIP FIRM,	CHABHAI THESHIYA NILESH HARDA BHAGAVANJIBHAI, ALL INDIAN PRECISION, AN INDIAN REGISTERED  ARCADE, NEAR TALAV GATE, JUNAGADH	
DATE OF REGISTRATION	16/01/2014	
TITLE	BEARING BUSH	
PRIORITY NA		
DESIGN NUMBER	262683	
CLASS	08-06	
1)MR. VIJAY AGARWAL (AN INI VINAYAK ENTERPRISES, 19/92, F1 GAMBHIRPURA, ALIGA	OIAN NATIONAL) TRADING AS M/S.  ARH-202001 (U.P.)	
DATE OF REGISTRATION	19/05/2014	70
TITLE	LATCH HANDLE	
PRIORITY NA		
DESIGN NUMBER	266198	
CLASS	05-05	0 0
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT  HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.		· · · · · · · · · · · · · · · · · · ·
DATE OF REGISTRATION 29/09/2014		
TITLE TEXTILE FABRIC		李 泰 泰 泰
PRIORITY NA		do do do

DESIGN NUMBER	266227
CLASS	05-05

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	266255
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT

HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.

DATE OF REGISTRATION	29/09/2014
TITLE	TEXTILE FABRIC



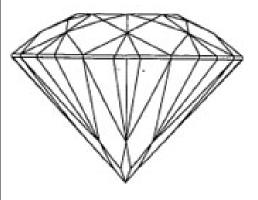
#### PRIORITY NA

DESIGN NUMBER	262784
CLASS	11-01
1/DITECTION A TENION A CHARLAN INDIAN NATIONAL WHOCE	

# 1)RITESH RAJENDRA SHAH, AN INDIAN NATIONAL WHOSE ADDRESS IS

1605, TOWER NO. 2, CASA GRANDE, SENAPATI BAPAT MARG, LOWER PAREL (WEST), MUMBAI 400 013

DATE OF REGISTRATION	21/05/2014
TITLE	GEMSTONE



DESIGN NUMBER	265405	
CLASS	07-01	W
1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI		
DATE OF REGISTRATION	04/09/2014	(m)
TITLE	WINE GLASS	
PRIORITY NA		
DESIGN NUMBER	264660	
CLASS	09-01	-
2A SCHEME NO. 71, CHANDAN NAGAR, RING ROAD, INDORE-452002, MADHYAY PRADESH AND NATIONALITY INDIAN  DATE OF REGISTRATION 11/08/2014		STATE OF THE PARTY
		HALLES TO
TITLE	BOTTLE	
PRIORITY NA	277170	
DESIGN NUMBER	266178	
CLASS	05-05	SER SERVE
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	H
PRIORITY NA		

DESIGN NUMBER	256512	
CLASS	15-07	
1)BSH BOSCH UND SIEMENS HA CARL-WERY - STR.34, 81739, MU	USGERÄTE GMBH, OF JNICH, GERMANY, A GERMAN COMPANY	1
DATE OF REGISTRATION	16/09/2013	
TITLE	REFRIGERATOR	
PRIORITY NA		
DESIGN NUMBER	263735	
CLASS	23-04	
1)HAVELLS INDIA LIMITED HA 1, RAJ NARAIN MARG, CIVIL LI		
DATE OF REGISTRATION	27/06/2014	2 2
TITLE	FAN	
PRIORITY NA		
DESIGN NUMBER	266184	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	2 8 2
TITLE	TEXTILE FABRIC	<u> </u>
PRIORITY NA		しておいいてはない

DESIGN NUMBER	266215	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	**************************************
PRIORITY NA		
DESIGN NUMBER	266240	
CLASS	05-05	56666666666666666666666666666666666666
ACT, 1956, AND HAVING ITS'S RESITUATED AT HANUMAN SILK MILL COMPOUMALL, MUMBAI-400 078 MAHARAS	·	
DATE OF REGISTRATION	29/09/2014	26266666666666666666666666666666666666
TITLE	TEXTILE FABRIC	8888888888888
PRIORITY NA		65555555555555 ,,,,,,,,,,,,,,,,,,,,,,,,
DESIGN NUMBER	266267	
CLASS	05-05	* * * 4
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE, UND, KANJURMARG (WEST), OPP. HUMA SHTRA, INDIA.	
DATE OF REGISTRATION	29/09/2014	
TITLE	TEXTILE FABRIC	
PRIORITY NA		000000000000000000000000000000000000000

MALL, MUMBAI-400 078 MAHARA  DATE OF REGISTRATION		
COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE SITUATED AT	E LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT RELIABLE HOUSE,  UND, KANJURMARG (WEST), OPP. HUMA	
CLASS	05-05	KAN WKAN A
DESIGN NUMBER	266303	