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पेटेंट कार्यालय का एक प्रकाशन

PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

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

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

30th NOVEMBER, 2018

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**THE PATENT OFFICE
KOLKATA, 30/11/2018**

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1	<p>Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in</p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in</p> <ul style="list-style-type: none"> ❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.
2	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in</p> <ul style="list-style-type: none"> ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli 	5	<p>The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in</p> <ul style="list-style-type: none"> ❖ Rest of India
3	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E-mail: delhi-patent@nic.in</p> <ul style="list-style-type: none"> ❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and the Union Territory of Chandigarh. 		

Website: www.ipindia.nic.in

www.patentoffice.nic.in

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

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

पेटेंट कार्यालय

कोलकाता, दिनांक 30/11/2018

• 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 हैं:-

1	<p>कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फैक्स: (91) (22) 24123322 ई. मेल: cgpdmtm@nic.in</p>	4	<p>पेटेंट कार्यालय, भारत सरकार इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईंगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चैन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप</p>
2	<p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in ❖ ગુજરાત, મહારાષ્ટ્ર, મધ્ય પ્રદેશ, ગોવા તથા છતીસગढ રાજ્ય ક્ષેત્ર એવં સંघ શાસિત ક્ષેત્ર, દમન તથા દીવ, દાદર ઔર નગર હવેલી.</p>	5	<p>पेटेंट कार्यालय, भारत सरकार कोलकाता, (प्रधान कार्यालय) बौद्धिक સંપદા ભવન, સીપી-2, સેક્ટર- V, સાલ્ટ લેક સિટી, કોલકાતા-700 091, ભારત. फોન: (91)(33) 2367 1943/44/45/46/87 फैક्स:/Fax: (91)(33) 2367 1988 ई. મેલ: kolkata-patent@nic.in ❖ ભારત કા અવશેષ ક્ષેત્ર</p>
3	<p>पेटेंट कार्यालय, भारत सरकार बौद्धिक સંપદા ભવન, પ्लॉट સં. 32, સેક્ટર- 14, દ્વારકા, નई દિલ્હી- 110 075. फોન: (91)(11) 25300200, 28032253 फैક्स: (91)(11) 28034301, 28034302 ઈ. મેલ: delhi-patent@nic.in હરિયાણા, હિમાચલ પ્રદેશ, જમ્મુ તથા કશ્મીર, પંજાਬ, રાજસ્થાન, ઉત્તર પ્રદેશ, દિલ્હી તથા ઉત્તરાંધ્ર રાજ્ય ક્ષેત્રોं, એવં સંघ શાસિત ક્ષેત્ર ચંડીગઢ</p>		

वेबसाइट: <http://www.ipindia.nic.in>

www.patentoffice.nic.in

पेटेंट અधिनियम, 1970 તથા પेटेंટ (સંશોધન) અधિનિયમ, 2005 અથવા પेटेंટ (સંશોધન) નિયમ, 2006 દ્વારા વાંछિત સભી આવેદન, સૂચનાએ, વિવરણ યા અન્ય દસ્તાવેજ્ય યા કોઈ શુલ્ક પેટેંટ કાર્યાલય કે કેવળ ઉપયુક્ત કાર્યાલય મેં સ્વીકૃત હોંગે।

શુલ્ક: શુલ્ક યા તો નગદ રૂપ મેં યા Controller of Patents કે નામ મેં દેય બેંક ડ્રાફ્ટ યા ચેક કે દ્વારા ભેજી જા સકતી હૈ જો ઉસી સ્થાન કે કિસી અનુસૂચિત બેંક મેં પ્રદત્ત હો જહાં ઉપયુક્ત કાર્યાલય સ્થિત હૈ ।

SPECIAL NOTICE

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

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

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

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

SPECIAL NOTICE

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

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

SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is 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.201811041725 A

(19) INDIA

(22) Date of filing of Application :03/11/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR TREATMENT OF SPENT LIQUOR USING FLY ASH

(51) International classification	:D21C11/0085	(71) Name of Applicant : 1)GL Bajaj Institute of Technology & Management Address of Applicant :Plot No. 2, Knowledge Park III, Greater Noida, Distt. G.B.Nagar, Greater Noida, Uttar Pradesh 201306, India. Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Dr. Vishwa Ratan Mishra
(87) International Publication No	: NA	2)Ranjit Singh
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for treatment of spent liquor using fly ash, comprising the steps of treating spent liquor with fly ash obtained from a boiler, wherein the spent liquor is obtained at a pretreatment stage of a thermochemical pulping process, separating the fly ash (containing lignin) from the spent liquor, transferring the extracted fly ash to the boiler, mixing a filtrate obtained after treating the spent liquor again with fly ash, treating the fly ash with the filtrate, separating the fly ash (containing lignin) from the filtrate, transferring the fly ash (containing lignin) to the boiler, transferring the refined solution of spent liquor to a waste water treatment plant.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2018

(21) Application No.201811041726 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COLLAPSIBLE TWO-WHEELER VEHICLE

(51) International classification	:B62K15/008	(71) Name of Applicant :
(31) Priority Document No	:NA	1)GL Bajaj Institute of Technology & Management
(32) Priority Date	:NA	Address of Applicant :Plot No. 2, Knowledge Park III, Greater
(33) Name of priority country	:NA	Noida, Distt. G.B.Nagar, Greater Noida, Uttar Pradesh 201306,
(86) International Application No	:NA	India. Uttar Pradesh India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Kailash Sharma
(61) Patent of Addition to Application Number	:NA	2)Priyanka Datta
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a collapsible two wheeler vehicle or simply a scooter, comprising at least two wheels 1, 2 installed in the vehicle to provide motion, wherein a first wheel 1 is attached at front of the vehicle and a second wheel 2 connected at a rear position of the vehicle, wherein the first and second wheel rotates about an axis for getting collapsed, at least one frame 3 attached to the wheels 1, 2 for providing a support to the wheels, at least one platform 5 mounted on the top of the frame 3, wherein a user steps over the platform 5 to ride on the vehicle, at least one handle 8 attached to the first wheel and said frame to change the direction of the first wheel 1, wherein the handle 10 encompasses plurality of hinge point 7 for collapsing the handle 10, and a motor arrangement attached at the second position of the vehicle to supply power to the wheels.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2018

(21) Application No.201811041727 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE FOR PRESERVING FLUID LEAKED FROM A DUCT

(51) International classification	:G01M3/045	(71) Name of Applicant : 1)GL Bajaj Institute of Technology & Management Address of Applicant :Plot No. 2, Knowledge Park III, Greater Noida, Distt. G.B.Nagar, Greater Noida, Uttar Pradesh 201306, India. Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Dr. Ashish Gupta
(87) International Publication No	: NA	2)Dr Vishwa Ratan Mishra
(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 device for preserving liquid leaked from a duct, comprising a housing placed over the duct, wherein the housing 1 have two members 2 hinged from a first side which rotates about an axis for opening/closing of the housing, wherein plurality of grooves 6 are provided on a other side of said members 2, wherein said housing 1 collects the fluid leaked from the duct, at least two handles 4 attached to the members 2 for assisting a user in opening/closing of the housing 1, plurality of locking mechanisms 6 mounted on the second side of the members 2, wherein the mechanism 6 is used to lock/unlock the housing 1, at least one tube 5 connected to the housing 1, wherein the tube 5 transfers the fluid collected in the housing 1 to a vessel.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2018

(21) Application No.201811041728 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR CONVERTING BIOMASS TO LIQUIDS

(51) International classification	:C12M25/00	(71) Name of Applicant : 1)GL Bajaj Institute of Technology & Management Address of Applicant :Plot No. 2, Knowledge Park III, Greater Noida, Distt. G.B.Nagar, Greater Noida, Uttar Pradesh 201306, India. Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Ashish Singh
(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 method for converting biomass to liquids, comprising adding a sufficient amount of air to a stream of a recycle process gas to be used for conveying or fluidization, wherein the addition forms a gas mixture, passing said mixture to a catalytic convertor for oxidizing the combustible gasses present in the mixture, heating the oxidized recycle gas together with an excess of oxygen gas to a sufficiently high temperature for supplying the heat required for a pyrolysis reaction, grinding a biomass feed into plurality of small particles, subjecting the particles to a short residence time pyrolysis within a predefined temperature range to form a product gas, removing the unreacted solutions and char from the product gas; condensing an organic liquid from the product gas and recycling the non-condensable gases and transferring them to the first step.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2018

(21) Application No.201811041729 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND METHOD FOR FORMATION OF BIOFILMS ON SURFACES OF VARIOUS MATERIALS

(51) International classification	:C12M25/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)GL Bajaj Institute of Technology & Management
(32) Priority Date	:NA	Address of Applicant :Plot No. 2, Knowledge Park III, Greater
(33) Name of priority country	:NA	Noida, Distt. G.B.Nagar, Greater Noida, Uttar Pradesh 201306,
(86) International Application No	:NA	India. Uttar Pradesh India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Dr. Sumit Tiwari
(61) Patent of Addition to Application Number	:NA	2)Vinod Yadav
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an apparatus for formation of biofilms on surfaces of various materials, comprising an apparatus for biofilm formation, comprising at least one plate 1 working as a lid, wherein the plate 1 has a first surface and a second surface, wherein plurality of protrusions 2 are extending from said first surface, at least one housing 3 open from a first side and encompassing plurality of slots 4 to insert the protrusions 2 of the plate 1. The method for formation of biofilms, comprising the steps of coating a material acting as a surface involved in the formation of biofilm on the protruding sections 2, pouring a liquid growth medium 5 in the slots 4 of the housing 3, placing the plate 1 on the housing, wherein the protrusions 2 are in contact with the liquid growth medium 5, agitating the liquid growth medium 5, growing microorganisms on the protrusions 2.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/11/2018

(21) Application No.201811041802 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REAL TIME PATIENT PRESCRIPTION MANAGEMENT SYSTEM AND A METHOD OF OPERATION OF THE SAME

(51) International classification	:G06Q10/10	(71) Name of Applicant : 1)Mengage Technologies Pvt. Ltd. Address of Applicant :228, Okay Plus, Malviya Nagar Industrial Area, Jaipur-302017, Rajasthan, India. Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Sanjay Yadav
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 an automatic patient prescription management system and method operational via a cloud platform/interface, comprising an input device integrated with the system; at least one medicine reminder module to integrate said medicine reminder with LPEW using machine learning; a prescription writing assistant to understand doctors voice and implement hands free voice to text conversion; a digital writing pad or pen for generating a digital prescription with hand writing analysis; and a data repository connected to a cloud platform for accessing patient health records. The method comprises the steps of; connecting system with input device; selecting patient/user information from respective option like medical folder/appointment/child and patient; writing digital prescription on digital writing pad of a healthcare provider; storing prescription in patients™ medical folder, receiving a text message containing link of patient medical folder; allowing users to view real time data of patient medical record by anyone on the system via the cloud platform/interface.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/11/2018

(21) Application No.201811041891 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AN APPARATUS FOR AGITATION OF FLUIDS

(51) International classification	:A23B7/02	(71) Name of Applicant : 1)Nakul Address of Applicant :H.No. 882, Sector 47, Gurgaon-122001, Haryana, India Haryana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Nakul
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 apparatus (100) for agitation of fluids, comprises an agitation chamber (102), an impeller configured to have a motor, a shaft (104) and blades (106) and a plurality of baffles (210). Further the plurality of baffles (210) have predetermined shape and configuration. Further, the plurality of baffles (210) are placed on a side wall of the agitation chamber (102).

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2018

(21) Application No.201811042004 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HERBAL FEED SUPPLEMENT COMPOSITIONS FOR IMPROVING MILK PARAMETERS IN LACTATING RUMINANTS AND METHODS THEREOF

(51) International classification	:A61K39/00	(71) Name of Applicant : 1)Dr. SUNIL SOLOMON Address of Applicant :24-Rajpur Road, Old Bungalow, 1st floor, Civil Lines, Delhi-110054, India. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Dr. SUNIL SOLOMON
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 herbal feed supplement for improving milk quality and quantity in lactating ruminants comprises of one or more of Asparagus racemosus; Trachyspermum ammi; Anethum sowa; Leptadenia reticulata; Zingiber officinale Roscoe; Secale cereale; Cuminum cyminum; Cinnamomum verum and an additive. In some embodiments, the amount of various ingredients in the supplements are within in the following range: Asparagus racemosus is in the range of about 10% to about 20% (w/w); Trachyspermum ammi is in the range of about 10% to about 20% (w/w); Anethum sowa is in the range of about 5% to about 15% (w/w); Leptadenia reticulata is in the range of about 5% to about 15% (w/w); Zingiber officinale Roscoe is in the range of about 5% to about 15% (w/w); Secale cereale is in the range of about 10% to about 20% (w/w); Cuminum cyminum is in the range of about 10% to about 20%; and Cinnamomum verum is in the range of about 5% to about 10% (w/w).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/10/2018

(21) Application No.201817037874 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ON-DEMAND ROADWAY STEWARDSHIP SYSTEM

(51) International classification :G08G1/123G08G1/054H04N7/18
(31) Priority Document No :62/437007
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/058184
Filing Date :20/12/2017
(87) International Publication No :WO 2018/116189
(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)RATTI, Jayant

Address of Applicant :L-3 Ground Floor, South Extension 2
New Delhi 110049 Delhi India

(72)Name of Inventor :

1)RATTI, Jayant

(57) Abstract :

An on-demand, crowdsourced, roadway stewardship system with video reporting features is disclosed. The invention described herein is comprised of a system that allows users with mobile device cameras to record and report roadway safety incidents, traffic violations, crimes and infrastructure problem. Users are encouraged to become stewards by engaging in the systems rewards program. An on-demand style cloud infrastructure is presented which speeds up video processing and citations. Objects of the invention are to enhance safety and increase public participation in safety.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2018

(21) Application No.201811024466 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AN ECO FRIENDLY PIPE FROM E-WASTE MATERIAL AND METHOD THEREOF

(51) International classification	:B29B9/10	(71) Name of Applicant : 1)INSTITUTE OF ENGINEERING & TECHNOLOGY Address of Applicant :NORTH EXTENSION, MIA, ALWAR, RAJASTAHN Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)ABHISHEK MUKHIJA S/O R. K. MUKHIJA
(87) International Publication No	: NA	2)RAJENDRA KUMAR SHARMA S/O MANGAL RAM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	SHARMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is related to an ecofriendly pipe that is made from an e-waste material. Printed Circuit Board of glass epoxy/FR4 grade is used which is subsequently powdered to a fine particle size. This powdered PCB is added to the unsaturated resins along with promoters and curing agents to get the final composition which when poured to the molds gives the desired pipe.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2018

(21) Application No.201817043187 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LOW TEMPERATURE DIRECT REDUCTION OF METAL OXIDES VIA THE IN SITU PRODUCTION OF REDUCING GAS

(51) International classification :C21B13/04C22B5/00C22B1/24
(31) Priority Document No :2016904806
(32) Priority Date :23/11/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051281
 Filing Date :22/11/2017
(87) International Publication No :WO 2018/094453
(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)ENVIRONMENTAL CLEAN TECHNOLOGIES LIMITED

Address of Applicant :388 Punt Road South Yarra, Victoria 3141 Australia

(72)**Name of Inventor :**

**1)HENLEY-SMITH, Keith Michael
2)GILES, Adam David
3)BARTSCH, Lachlan Phillip Clive
4)MOORE, Ashley Charles**

(57) Abstract :

A continuous process for low temperature reduction of metal oxides from carbonaceous material using in situ produced reducing gas. In particular a method of reducing metal oxide to metal in a continuous process comprising: (a) continuously introducing composite bodies comprising low rank carbonaceous material and metal oxide containing material that are in intimate contact and in a dry mix ratio of from about 1:2 to about 1: 10 to an upper region of an upright retort; (b) conveying said bodies from said upper region to a heated lower region of said retort wherein said composite bodies are exposed to increasing temperature of up to about 950°C and wherein said composite bodies are exposed to reducing gas generated in situ for a period of from about 15 minutes to about 3 hours to thereby produce a reduced metal containing product; and (c) continuously removing the reduced metal containing product from a lower region of the retort.

No. of Pages : 36 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2018

(21) Application No.201811034855 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTIPLE PLATFORM DENTAL IMPLANT (MPDI)

(51) International classification	:A61C8/0018	(71) Name of Applicant : 1)DR. VIVEK KUMAR Address of Applicant :H. NO. 1078, SECTOR -4, URBAN ESTATE, KURUKSHETRA (INDIA), PIN -136118 Haryana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

MPDI provides a simple solution for managing crestal bone loss, at any stage, from just after osteointegration to long term implant use. This design is totally capable in managing crestal bone loss, increasing life of failing implant and enhancing esthetics ,either used alone or with combination of bone augmentation procedures.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/09/2018

(21) Application No.201811034899 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A BINDING MACHINE

(51) International classification	:B65B13/06	(71) Name of Applicant : 1)InstantPost Printers and Scanners Private Limited Address of Applicant :307, Crystal Link Apartment, Amar Shaheed Path, Sector - O, Mansarovar Yojna, Lucknow 226012 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a machine for book binding. To describe explicitly, the invention provides a book binding with a small print. The machine 100 comprises of a base 101, a holder 102 for holding the book cover and inner pages in a desired form and a linear motion block 103. The movable plate 103 is configured for moving in linear outward motion with corresponding upward rotatory motion of the holder 102 for glue application. The upward rotatory motion of the holder 102 rotates the book cover and the inner page and thereby gives access to spine of the loose leaf sheets for glue application. The movable plate 103 is further configured for moving in linear inward motion with corresponding downward rotatory motion of the holder 102 for applying required amount of pressure on the spine of the loose leaf sheets 104(a) after the glue application. (Fig.1)

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2018

(21) Application No.201817043292 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REAL-TIME CONTROL OF THE HEATING OF A PART BY A STEEL FURNACE OR A HEAT TREATMENT FURNACE

(51) International classification	:C21D11/00C21D1/34F27D19/00
(31) Priority Document No	:2016/5312
(32) Priority Date	:02/05/2016
(33) Name of priority country	:Belgium
(86) International Application No	:PCT/EP2017/060153
Filing Date	:28/04/2017
(87) International Publication No	:WO 2017/191039
(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)COCKERILL MAINTENANCE & INGENIERIE S.A.

Address of Applicant :Avenue Greiner, 1 4100 SERAING Belgium

(72)**Name of Inventor :**

1)MITAIS, Jean-Christophe

(57) Abstract :

A method furnace and software program for the controlled heating of a part comprising: obtaining a heating scheme defining a desired evolution of one or more indicators of the temperature of the part during heating in the furnace; providing the part to be heated in the furnace; three-dimensional digital modelling of the heating of the part in real time and simultaneous to the heating of the part the digital modelling using heating parameters of the furnace and a three-dimensional model of the part to be heated and comprising predicting the one or more indicators of the temperature of said part for the next reference time; comparing the one or more indicators of the temperature of the part of said heating scheme with one or more indicators of the temperature of the part predicted by the digital modelling for the next reference time; and following each comparison adapting if necessary the heating parameters of the furnace depending on the result of the comparison in order to reduce a difference between the one or more indicators of the temperature of the part of the heating scheme and the one or more indicators of the temperature of the part predicted by the digital modelling for the next reference time.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2018

(21) Application No.201811033264 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND METHOD FOR MUSCLE TONE MEASUREMENT

(51) International classification	:A61B5/4519	(71) Name of Applicant : 1)BALAMURUGAN L Address of Applicant :291, BHARATHIDASAN STREET, M P C NAGAR Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)BALAMURUGAN L
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 generally relates to an apparatus and method for muscle tone measurement. a first interface configured to accommodate a first dual shaft motor. The first interface is coupled to a first handle that holds a first limb. The apparatus also includes a second interface coupled to a second handle that holds a second limb, a pair of shaft coupling elements configured to couple the first interface and the second interface such that when the first dual shaft motor is actuated, a symmetric traction is formed between the first interface and the second interface thereby generating uniform relative motion to translate the second handle. The apparatus also includes at least two surface electrodes positioned between the first limb and the second limb, and a control system configured for assessing the nerve conduction velocity and an angular movement of the first dual shaft motor to measure the muscle tone. Ref. Fig. 3a

No. of Pages : 30 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2018

(21) Application No.201817042027 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COLOR LOOK UP TABLE COMPRESSION

(51) International classification	:H04N1/60H04N1/00H04N1/41
(31) Priority Document No	:PCT/US2016/041633
(32) Priority Date	:08/07/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/060873
Filing Date	:07/11/2016
(87) International Publication No	:WO 2018/009234
(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)HEWLETT-PACKARD DEVELOPMENT COMPANY,
L.P.**

Address of Applicant :11445 Compaq Center Drive W.
Houston, Texas 77070 U.S.A.

2)PURDUE RESEARCH FOUNDATION

(72)Name of Inventor :

**1)HU, Zhenhua
2)TANG, Chuohao
3)NELSON, Terry M.
4)SHAW, Mark Q.
5)ALLEBACH, Jan P.
6)REIBMAN, Amy Ruth**

(57) Abstract :

A memory device includes a compressed color table having a compressed difference table and a residue table. The difference table includes difference nodes in which each difference node represents a value that is a difference of a value of a node of an original color table and a value of a corresponding node of a reference color table. The residue table includes residue nodes in which each residue node represents a value that is a difference of a value of a node of the original color table and a value of a corresponding node of a reconstructed compressed difference table.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2018

(21) Application No.201817042028 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COLOR TABLE COMPRESSION

(51) International classification :H04N1/60H04N1/00H04N1/41
(31) Priority Document No :PCT/US2016/041633
(32) Priority Date :08/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060874
 Filing Date :07/11/2016
(87) International Publication No :WO 2018/009235
(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)HEWLETT-PACKARD DEVELOPMENT COMPANY,
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Address of Applicant :11445 Compaq Center Drive W.
Houston, Texas 77070 U.S.A.

2)PURDUE RESEARCH FOUNDATION

(72)**Name of Inventor :**

**1)TANG, Chuohao
2)COLLISON, Sean Michael
3)REIBMAN, Amy Ruth
4)SHAW, Mark Q.
5)ALLEBACH, Jan P.
6)GONDEK, Jay S.**

(57) Abstract :

A memory device includes a compressed difference color table and corrective information. A difference color table that is compressed includes a plurality of difference nodes in which each difference node represents a value that is a difference of a value of a node an original color table and a value of corresponding node of a reference table. The difference color table is compressed at a selected compression amount. The plurality of difference nodes includes a set of nodes having a color difference outside an error threshold at the selected compression ratio.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2018

(21) Application No.201811018882 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVED STABILIZER SYSTEM AND A METHOD FOR THE SAME

(51) International classification	:G05F3/02	(71) Name of Applicant : 1)INDOPLAST Address of Applicant :10, UDYOG VIHAR EXTN., NEAR LG ECOTECH-II, GREATER NOIDA-201306, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a smart stabilizer system with a memory unit and a method for preparing electronic plastic mould product, thereby achieving a higher degree of accuracy product. The system, comprises of at least one micro controller; an LCD Display; plurality of relays; plurality of electronic components; brass terminals; plastic casing; and plurality of switches.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2018

(21) Application No.201811041523 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ASCRO-NUT

(51) International classification	:A47J43/26	(71) Name of Applicant : 1)SIDDHARTH CHOUHAN Address of Applicant :D-52, 4TH FLOOR, BLOCKD WEST PATEL NAGAR, NEAR SHADIPUR METRO STATION, NEW DELHI-110008, INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

AFTER THE ARCHIMEDES SCREW THIS IS THE FIRST MAJOR MODIFICATION ON SCREWS-NUTS IN MY PROJECT
THEIR IS A T SHAPED SCREW .AND THE NUT IS INSPIRED BY IGLOO SHAPE BY INSIDE .THERE ARE THREE CASTER
WHEELS WHICH ARE REPRSENTED BY RED ON THE TOP, AND TWO PURPLE WHEELS ATTACHED SIDE BY SIDE (ATTACHED WITH A SPRING).

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2018

(21) Application No.201811041715 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COMPOSITION OF INTERLOCKING CONCRETE PAVER BLOCK UTILIZING GRANITE WASTE AND METHOD OF PREPARATION THEREOF

(51) International classification	:E04B1/2604	(71) Name of Applicant : 1)Dr. Ravi Kumar Sharma Address of Applicant :College of Technology and Engineering (CTAE), MPUAT, Udaipur - 313001 (Rajasthan) Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	2)Dr. Trilok Gupta
(87) International Publication No	: NA	3)Mr. Digvijay Singh Chouhan
(61) Patent of Addition to Application Number	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Dr. Ravi Kumar Sharma
(62) Divisional to Application Number	:NA	2)Dr. Trilok Gupta
Filing Date	:NA	3)Mr. Digvijay Singh Chouhan

(57) Abstract :

Present invention provides a sustainable low cost interlocking concrete paver block utilizing granite waste. The objective is to develop paver block by partially replacing the cement with granite waste in powder form. The replacement of cement by the granite waste material will be advantageous in solving the problem associated with the cement production and waste disposal and accumulation. Also, consumption of cement will be decreased which saves the natural resources, reduces the greenhouse gasses emission and curtail the energy demand. Further, the cost of paver block will be reduced as granite waste is freely available material and there is also reduction in the consumption of cement. Following invention is described in detail with the help of Figure 1 of sheet 1 showing schematic presentation with dimensions of the concrete paver block.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/01/2018

(21) Application No.201811000279 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BIOMASS COMPACT BRIQUETTE FUEL AND ITS PREPARATION METHOD

(51) International classification	:C01L	(71) Name of Applicant : 1)Indian Institute of Technology, Mandi Address of Applicant :IIT Mandi, Parashar Road, Kamand campus, Mandi, Himachal Pradesh, India 175005 Himachal Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of preparation of the compact biomass briquette/pellet. The Invention in particular provides an efficient method of converting waste and loose biomass, particularly pine needles, into resourceful and compact bio-fuel for domestic and industrial utilization as well.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2018

(21) Application No.201811008417 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING ELTROMBOPAG OLAMINE, REDUCING SUGAR, AND POLYMERIC BINDER

(51) International classification	:C07D413/14	(71) Name of Applicant : 1)Alfred E. Tiefenbacher (GmbH & Co. KG) Address of Applicant :Van-der-Smissen-Str. 1, 22767 Hamburg, Germany Germany
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Ruslan Staver
(87) International Publication No	: NA	2)Vamshi Ramana Prathap
(61) Patent of Addition to Application Number	:NA	3)Hari Kiran Chary Vadla
Filing Date	:NA	4)Bala Ramesha Chary Rallabandi
(62) Divisional to Application Number	:NA	5)Hendrik Schlehahn
Filing Date	:NA	

(57) Abstract :

The present invention relates to a pharmaceutical tablet composition comprising eltrombopag olamine, one or more reducing sugars, and one or more polymeric binder agents, a production process therefore, a pharmaceutical tablet composition comprising eltrombopag olamine, one or more reducing sugars, and one or more polymeric binder agents obtainable by the production process, a use / method of use of the pharmaceutical tablet compositions in the treatment or prophylaxis of immune (idiopathic) thrombocytopenic purpura (ITP), thrombocytopenia and/or acquired severe aplastic anaemia (SAA).

No. of Pages : 39 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2018

(21) Application No.201811029316 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A NOVEL FORMULATION OF DABIGATRAN SOLID DISPERSION FORMULATION AND A METHOD OF PREPARATION THEREOF

(51) International classification	:A61K9/19	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY), VARANASI Address of Applicant :Varanasi-221005, Uttar Pradesh, India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)SAIRAM KRISHNAMURTHY
(61) Patent of Addition to Application Number	:NA	2)PANKAJ PALIWAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel formulation of dabigatran solid dispersion formulation and a method of preparation thereof. More particularly, the present invention relates to a formulation of dabigatran solid dispersion formulation with improved pharmacokinetics and pharmacodynamics behaviour and a method of preparation thereof having application in treating stroke conditions. Figure 1 on sheet no. 1 of the drawings may accompany the abstract when published.

No. of Pages : 30 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/10/2018

(21) Application No.201811038213 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLAR CELL WITH ENHANCED QUANTUM FFICIENCY

(51) International classification	:H01L31/055	(71) Name of Applicant : 1)VIRAZ INFRA SOLUTIONS PVT LTD Address of Applicant :C-120, SHAKURPUR NORTH WEST NEW DELHI-110034, India Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)VIJAY KUMAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention disclosed herein uses the metallurgic masks as plasmonic resonance antennas to enhance absorption. Metallurgic masks containing narrow two-dimensional slits provide broadband total optical transmission. At a specific oblique incident angle, these metallurgicmasks enable zero reflection over a wide range of wavelengths, without necessarily relying on SPRs.n this metallurgic mask-based OSC, light could be concentrated to enable LSPR excitation at normal incidence. At off-normal incidence, impedance matching can improve absorption in thin Organic Solar Cells over a wide range of wavelength.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201811030745 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING A SEVERITY LEVEL OF AT LEAST ONE COMMUNICATION BETWEEN USERS

(51) International classification	:H04W28/08	(71) Name of Applicant : 1)KAFAL SOFTWARE PVT LTD Address of Applicant :91SpringBoard, A-130, Sector 63, Noida 201301, Uttar Pradesh, India Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)ASHWINI KUMAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the present invention relate to a system [200] and method [300] for determining a severity level of at least one communication between a first user [104A] and a second user [104B], comprising steps of: receiving the at least one communication from the first user [104A], wherein the at least one communication is intended to the second user [104B]; fetching at least one historic data in an event the at least one communication is in response to a previous communication; determining at least one tone score of the at least one communication; and determining at least one severity level for at least one category of the at least one communication on the basis of a comparison of the tone score with a predetermined threshold tone. Figure 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/10/2018

(21) Application No.201811039885 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CUP CUM DRINKING GLASS AND BOWL WASHING MACHINE

(51) International classification	:A47L15/16	(71) Name of Applicant : 1)Paritosh Paliwal Address of Applicant :s/o Shri Ganesh Lal Paliwal Second Street, Kamal Talai Road Near Bus Stand, Kankroli Rajsamand, Rajasthan. Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is a washing machine which will be said as cup cum drinking glass and bowl washing machine and more particularly drinking glass washing apparatus • . This machine is structured to clean a number of glasses simultaneously. This is a portable semi-automatic, efficient and very convenient machine which can be used to clean glasses completely (inside as well as outside).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/07/2018

(21) Application No.201811028252 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SUGARCANE HARVESTING MACHINE WITH DE-THRASHING GUIDING UNIT

(51) International classification	:A01F12/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)GURPREET SINGH

2)DR. TEJINDERPAL SINGH SARAON

3)ER. KOVID SHARMA

(57) Abstract :

The present invention relates to the field of agricultural machinery. Particularly embodiments of the present invention disclose a machine for harvesting sugarcane. Further embodiments of the present disclosure disclose the machine for harvesting the full length of sugarcanes. This invention discloses a sugarcane harvesting machine with de-thrashing guiding unit. The de-thrashing guiding unit for the processing/crushing of extraneous material Husk (Green Top) which comprises rotating flat belt and then guides the extraneous material to the rotator cutter to crush it. The machine reduces the waste extraction and manpower. Moreover the chopped green top can be used such as in cattle feed, fertilizer etc.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2018

(21) Application No.201811010733 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SURFACE SHIELD FOR AN UNDERLYING OBJECT

(51) International classification	:F01K27/00	(71) Name of Applicant : 1) KAPOOR, Simar Address of Applicant :D-713, Saraswati Vihar, Pitampura, Delhi-110034 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1) KAPOOR, Simar
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 surface shield for an underlying object is disclosed. The surface shield includes a first structure. The first structure has an inner surface and an outer surface. The outer surface includes a plurality of slots. The inner surface is in contact with an underlying surface to be protected. The first structure includes one of a single-part structure or a multi-part structure. The surface shield includes a plurality of clamps removably coupled to the slots of the first structure. Each clamp is coupled to a corresponding slot of the first structure. FIG. 3

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2018

(21) Application No.201811037602 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A FINISHING AND TRIMMING MACHINE

(51) International classification	:B65B13/06	(71) Name of Applicant : 1)InstantPost Printers and Scanners Private Limited Address of Applicant :307, Crystal Link Apartment, Amar Shaheed Path, Sector - O, Mansarovar Yojna, Lucknow 226012 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A machine 100 for trimming sides of stack of papers or sheets or book and thereby providing proper finishing. The machine 100 comprising a base plate 116 configured to place said stack of papers or sheets or book, a handle 101, a shaft head 102, a threaded shaft 103, a pillow block bearing 105 and a top plate 106. The handle 101 attached to the shaft head 102 configured to facilitate rotation of threaded shaft 103. The threaded shaft 103 mounted over top plate 106 through said pillow block bearing 105. The threaded shaft 103 configured for imparting linear motion of said blades 111(a, b, c) along with said top plate 106 and trimming sides of said stack of papers or sheets or book simultaneously by the blades 111 (a, b, c), wherein said linear motion of the blades 111(a, b, c) imparted by the rotation of said threaded shaft 103. Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201811042762 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SEQUENTIAL COMPARTMENTALIZED HOME PATHOLOGY SAMPLE COLLECTION BAG

(51) International classification	:A61M5/24	(71) Name of Applicant : 1)MAX HEALTHCARE INSTITUTE LIMITED Address of Applicant :N 110 , PANCHSHEEL PARK NEW DELHI -110017 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)VISHAL LATHWAL
(87) International Publication No	: NA	2)VAIBHAV PODDAR
(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 sequential compartmentalized home pathology sample collection bag(100). The bag(100) includes a top surface(102), a bottom surface(106), a first side(108), a second side(110), a third side(112), a fourth side(114), a first chamber(122), a second chamber(124), a third chamber (126), a flap(128), a first strap(134) and a second strap(138). The first chamber(122) attached to the top surface(102) through a first zipper(116). The second chamber(124) attached below the first chamber(122) through the second zipper(118). The third chamber(126) is attached below the second chamber(124) through the third zipper(120). The first chamber(122), the second chamber(124) and the third chamber(126) are arranged vertically. The present invention indicates the temperature inside the bag(100). The present invention reduces inconvenience in handling sample, accessories and sample collection equipment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2018

(21) Application No.201811042951 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GLIDER ASSISTED SYSTEM FOR PRECISE AND EFFICIENT DEPLOYMENT OF SENSOR NODES IN WIRELESS SENSOR NETWORKS

(51) International classification	:H04W4/023	(71) Name of Applicant : 1)VIKRANT SHARMA Address of Applicant :G. B. Pant INSTITUTE OF ENGINEERING AND TECHNOLOGY, PAURI-GARHWAL (UTTARAKHAND) Uttarakhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	2)Dr. HARVENDRA SINGH BHADAURIA 3)Dr. RAM BAHAUDUR PATEL 4)DEVENDRA PRASAD
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72) Name of Inventor : 1)VIKRANT SHARMA 2)Dr. HARVENDRA SINGH BHADAURIA 3)Dr. RAM BAHAUDUR PATEL 4)DEVENDRA PRASAD
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a glider assisted system for precise and efficient deployment of sensor nodes in wireless sensor networks accurately place the Sensor Nodes (SNs) in a large scale and open area candidate region. The present invention is related to the field of robotics, mobile computing, wireless communication and wireless sensor networks. Deployment is the most important process in the life of a wireless sensor network. It determines the physical arrangement of SNs within a candidate region. The deterministic deployment of SNs in large scale and open area candidate region is a tough job due to its unique challenges such as inaccessibility, diverse terrain, exposed environment and large area of a candidate region. Random scattering of SNs from air is a common method to deploy SNs within a vast and unreachable region, but it cannot achieve optimal coverage due to its stochastic nature. Therefore there arises a need of some concrete solution for deterministic deployment of SNs in such regions.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2018

(21) Application No.201811043178 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COMPOSITIONS FOR NEMATODE CONTROL IN CROPS

(51) International classification

:A01N43/16

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

COMPOSITIONS FOR NEMATODE CONTROL IN CROPS Exemplary embodiments of the present disclosure are directed towards compositions for nematode control in crops comprising Azadirachta indica (neem cake) and one or more of the biopesticides- Paecilomyces lilacinus, Trichoderma harzianum, and Pseudomonas fluorescens. In preferred embodiments, the ratio of the neem cake and the biopesticides are in the ratio of about 1000:6. The composition can be applied to seeds, foliage, root, the soil environment or the potting mixture. The results indicate the control of nematodes (especially root knot nematodes) in infected soils and reduction in pathogenic fungi. It significantly increased yield parameters and improved soil health.

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

(71)Name of Applicant :

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(72)Name of Inventor :

1)Dr. SUNIL SOLOMON

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042731 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM UTILIZING THE MOTION OF AN ELEVATOR TO FILL THE OVERHEAD TANK AND GENERATE POWER

(51) International classification	:F03D 9/00	(71) Name of Applicant : 1)ISHAN DHAVAL PARIKH Address of Applicant :19, NEMINATH NAGAR SOCIETY, NEAR NEHRU NAGAR CROSS ROAD, S.M. ROAD, AMBAWADI, AHMEDABAD-380015, GUJARAT, INDIA Maharashtra India
(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	(72) Name of Inventor : 1)ISHAN DHAVAL PARIKH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT: This invention provides water pumping mechanism and additional power generation method by utilizing the reciprocating movement of an elevator system set up in any of the buildings. A pump-based system is set up below the elevator so as to pump water from the underground water source to the overhead tank of the building only with the help of air pressures devoid of any power consumption. This system has a detection system to identify the water level in the overhead tank so as to restrict the inflow of unwanted water and the additional compressed air generated is utilized for the rotation of a turbine attached at the other end of the air pump so as to utilize the rotational motion to produce electricity. The power produced is stored into batteries so as to be utilized for the working of the elevator system to provide initial thrust or for the functioning of other electric appliances attached to the elevator system.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042800 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ITSC-SYSTEM : INTELLIGENT TIRE AIR INDICATION, SPEED CONTROL SYSTEM

	(71) Name of Applicant : 1)PROF. POORNIMA M HOMBAL Address of Applicant :CHITRA 804, NAKSHATRA, APARTMENT, NARHA,PUNE-41, MH, INDIA. Maharashtra India 2)PROF. MADHURI SUHAS DEOKAR 3)PROF. ABOLI HALWE PANDHARIKAR 4)BASAVARAJ HADPAD 5)L. B BHARATH RAJU 6)VEMURI VENKATA PHANI BABU 7)MR. RABI KUMAR 8)PROF. DR. NITIN BALKRISHNA CHAPHALKAR 9)DR. R. K. PATIL 10)MR. KIRAN KUMAR B 11)MRS. SARIKA ATUL PATIL 12)PROF. DR. S K GUPTA 13)PROF. DR. BIPLAB KUMAR SARKAR
(51) International classification	:G11B 19/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
(72) Name of Inventor :	
	1)PROF. POORNIMA M HOMBAL 2)PROF. MADHURI SUHAS DEOKAR 3)PROF. ABOLI HALWE PANDHARIKAR 4)BASAVARAJ HADPAD 5)L. B BHARATH RAJU 6)VEMURI VENKATA PHANI BABU 7)MR. RABI KUMAR 8)PROF. DR. NITIN BALKRISHNA CHAPHALKAR 9)DR. R. K. PATIL 10)MR. KIRAN KUMAR B 11)MRS. SARIKA ATUL PATIL 12)PROF. DR. S K GUPTA 13)PROF. DR. BIPLAB KUMAR SARKAR

(57) Abstract :

ABSTRACT The invention is providing special kit to the Intelligent INTELLIGENT TIRE AIR INDICATION, SPEED CONTROL SYSTEM for Motor Vehicles (ITSC=System) is Tire pressure and speed controller monitoring system used in any type of the vehicle. This technology involves two parts that is every Tire pressure monitoring and speed controller system and main board or display screen indicates status of all Tires pressure, speed controller and interconnected through wireless technology. Each Tire pressure monitoring and speed controller kit is a small kit consists of micro-controller, sound alarm, pressure sensor and auto charging battery. This small kit senses high and low air pressure inside the Tire and informs to main circuit mounted on the display screen. Because of which driver will come to know the air pressure status of every Tire and can take appropriate action. Here sound alarm introduced in small kit to identify high pressure level if air inside the Tire exceeds the defined level then sound alarm is generated. Light blinking facility is provided on the display screen to show low air pressure status of any Tire. This communication between main circuit (display screen) and every Tire kit is done through wireless medium which can be Bluetooth, Li-Fi or Wi-Fi and other communication signal. Wireless charging done for charging of small Tire kit though vehicles main battery backup or charging point inside the vehicle to protect the Tire pressure kit from problem of overheating cooling substance or cooling liquid is used as heat absorbent around the kit, which helps to maintain kits long life. Due to use of such technology road accidents due to air pressure of Tires can be avoided. INTELLIGENT TIRE AIR INDICATION, SPEED CONTROL SYSTEM (ITSC-SYSTEM) technology gives information of all Tire pressure to the user on the display screen, which minimizes human efforts to check air externally. Also cost on the air check instruments can be minimized due to this invention. This Invention is also give the various type of information like air presses status, air low status, air high status, LED blinking etc. At this junction the tier air-low of any tire below throuself the auto active the speed controller if tire air fill then auto d-active speed controller.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042811 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ITDL-SYSTEM : INTELLIGENT TRANSPORTATION USING DEEP LEARNING SYSTEM

		(71) Name of Applicant : 1)PROF. SHALINI YADAV Address of Applicant :HOUSE NO: 1760/3, GALI NO.6, RAJIV NAGAR, GURGAON, HR,INDIA Haryana India 2)MR. S. SIVA 3)PROF. AMAN DUREJA 4)MS. REENA RAO(IPS) 5)PROF. AJAY DUREJA 6)PROF. H.N.PATIL 7)DR. POORNA SHANKAR 8)PROF. VINA M LOMTE 9)MS. PRARINIDHI SINGH 10)MR. PAWAN KUMAR SINGH 11)PROF. (DR.) BIPLAB KUMAR SARKAR
(51) International classification	:G08G 1/00	
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	
(87) International Publication No Patent of Addition to Application Number Filing Date	: NA :NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Abstract The aim of this Intelligent Transportation System (ITS) is to improve the existing transportation system taking into account the real-time traffic situation and existing vehicle and road infrastructure. It automates the interactions of vehicle-to-vehicle, vehicle-to-infrastructure, infrastructure-to-vehicle and infrastructure-to-infrastructure. Internet of Things (IoT) has revolutionized the entire world of transportation system by connecting vehicles thus helping the tracking, monitoring of vehicles, drivers as well as goods. The intelligence has made vehicles smarter thereby increasing road safety and motor traffic efficiency. It has addressed complex issues like energy optimization, connectivity failure, traffic management, and heterogeneity of vehicles, data transfer, vehicle collision warning, traffic information dissemination and many more. Many models have been developed for ITS applications. These have time and again improved the way world travels and transports. In our research we shall develop a framework for ITS and analyzes and compare it with the existing works.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042817 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : P-BUTTON : PANIC BUTTON PROVIDES INFORMATION THROUGH LIGHT, RADIO SIGNAL AND OTHER REQUIRED SIGNAL

(51) International classification	:G08B 25/00	(71)Name of Applicant : 1)PROF. S. KRANTHI KUMAR Address of Applicant :VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, BACHUPALLY, HYDERABAD-500090, INDIA(PROFESSOR OF CSE DEPT.) Telangana India
(31) Priority Document No	:NA	2)MR. MADAMALA REVANTH
(32) Priority Date	:NA	3)PROF. M.NAGABHUSHANA RAO
(33) Name of priority country	:NA	4)B. MADHURA VANI
(86) International Application No Filing Date	:NA :NA	5)MRS SARIIKA ATUL PATIL
(87) International Publication No	: NA	6)DR. GHUMBRE SHASHIKANT UTTRESHWAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)PROF. DR. NITIN BALKRISHNA CHAPHALKAR
(62) Divisional to Application Number Filing Date	:NA :NA	8)MR. RABI KUMAR
		9)DR. SANDEEP KUMAR GUPTA
		10)DR. BIPLAB KUMAR SARKAR,
		11)DR. ANITHA PATIL
		(72)Name of Inventor : 1)PROF. S. KRANTHI KUMAR
		2)MR. MADAMALA REVANTH
		3)PROF. M.NAGABHUSHANA RAO
		4)B. MADHURA VANI
		5)MRS SARIIKA ATUL PATIL
		6)DR. GHUMBRE SHASHIKANT UTTRESHWAR
		7)PROF. DR. NITIN BALKRISHNA CHAPHALKAR
		8)MR. RABI KUMAR
		9)DR. SANDEEP KUMAR GUPTA
		10)DR. BIPLAB KUMAR SARKAR,
		11)DR. ANITHA PATIL

(57) Abstract :

This invention is provide the special feature for identification of any object through light signal, Radio signal, internet Etc. and notification whenever a person goes for an adventure or in jungles and gets lost hell press the panic button which will send emergency signals with a unique identification number and GPS location itll be also consisting of a radio transmitter to transmit the SOS signals in the surroundings. Also method and system for broadcasting a panic alert notification in a communication network light signal, radio signal, Internet and other any signal comprising a primary user and at least one secondary user. The method comprises the steps of receiving data relating to a panic alert and processing information and Object-location of the primary user. Further, a list of one or more secondary users to be notified of the primary users emergency situation is determined and a broadcast alert message is transmitted to the one or more secondary users. The step of determining a list of one or more secondary users comprises determining a search range criteria in the vicinity of the Object-location of primary user, identifying a list of secondary users within the search range criteria and determining one or more first level and second level secondary users by mapping the list of secondary users with a list of users known to the primary user.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2018

(21) Application No.201821043341 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PERSONALITY DIMENSION CALCULATOR

(51) International classification	:G06Q 10/00	(71) Name of Applicant : 1)Ashwini Baburao Lokhande Address of Applicant :Plot No A/3, Ajinkya Society, Near Snehal Colony Jalgaon Maharashtra India 2)Dr.Anil Prithviraj Dongre
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Ashwini Baburao Lokhande 2)Dr.Anil Prithviraj Dongre
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 :

In current dynamic job market, efficiency of the employees, whether it is in government or private sector is the imperative factors while recruiting the individual as it has direct impact on productivity and profitability of organization. If organization fails to place rights person on rights job it may lead to huge losses to the organization. Thus recruiting efficient personnel™s is essential but at the same time it is intricate task as it involves judging the person on the basis of interviewing only in general. It has been observed through various studies and research carried out by the applicant that, Individual Efficiency by and large dependent on Five Personality Dimension that is Conscientiousness, Agreeableness, Neuroticism, Openness to Experience, Extraversion. This personality dimension most of the time not possible to judge while recruiting personnel in an organization because of the unstructured pattern of interview and even through other reasoning and logical test used by the recruiters. Keeping this shortcoming in mind, applicant carried out extensive research to map the personality dimension required for particular jobs in both government and private sectors. For these total five hundred twenty five employees such as teachers, doctors, police, bank personnel™s and clerks from government, private and public sectors organization studied to identify their personality dimensions and it has been mapped with their job. On the basis of responses from the individual from different profession such as teachers, doctors, police, bank personnel™s and clerks in tune with personality dimensions such as Conscientiousness, Agreeableness, Neuroticism, Openness to Experience, Extraversion, applicant developed Personality Dimension Calculator in the form app for mapping personality suitable for different jobs in government, public and private sectors. Using Personality Dimension Calculator app, it will be possible to corporate and government organization to select and place accurately right person on rights jobs and in turn it will helps the organization to improve their organizational efficiency and reduce the cost.

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042802 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ARSV-SYSTEM : AUTO RING MY PHONE IF SWITCH OFF, AND VIBRATION MODE SYSTEM

(51) International classification	:H04M 19/00	(71)Name of Applicant : 1)MR. MADAMALA REVANTH Address of Applicant :IIIT-KURNOOL, KURNOOL AP INDIA Andhra Pradesh India 2)PROF. M.NAGABHUSHANA RAO 3)DR. RASINENI MADANA MOHANA 4)DR. VUPPU PADMAKAR 5)MR. T. RAGHAVENDRA GUPTA 6)MR. S. PRATAP SINGH 7)B. MADHURA VANI 8)MR. MOGHEKAR RAJESHWAR 9)DR. SONALI TULSIRAM BODKHE 10)DR. RAJARAJESWARI. P 11)PROF. (DR.) BIPLAB KUMAR SARKAR 12)DR. ANITHA PATIL
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MR. MADAMALA REVANTH
(33) Name of priority country	:NA	2)PROF. M.NAGABHUSHANA RAO
(86) International Application No	:NA	3)DR. RASINENI MADANA MOHANA
Filing Date	:NA	4)DR. VUPPU PADMAKAR
(87) International Publication No	: NA	5)MR. T. RAGHAVENDRA GUPTA
(61) Patent of Addition to Application Number	:NA	6)MR. S. PRATAP SINGH
Filing Date	:NA	7)B. MADHURA VANI
(62) Divisional to Application Number	:NA	8)MR. MOGHEKAR RAJESHWAR
Filing Date	:NA	9)DR. SONALI TULSIRAM BODKHE
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		11)PROF. (DR.) BIPLAB KUMAR SARKAR
		12)DR. ANITHA PATIL

(57) Abstract :

Abstract This invention is providing the intelligent facility from the user, ARSV-System easy to detect non general mode or lost mobile devices. When use this system automatic pop up the ring tone which is set at a time of new mobile installation, an initiate or start the general mode from non general mode then involuntary on mobile data for current locality, status of phone. These all process is complete through the SMS (Short Message Service] service. When mobile is on non ringer mode at some situations. Then we completely forgot again do on general mode of cell phone. At a time of work we observe the cell phone but we did not get because mobile on non ringer mode. There are need to intercommunication between available another mobile and non general mode mobile within network. Then send SMS through another available mobile ARSV-System unique code of non general device to non ringer mobile phone. This unique code will match then two steps will successfully complete: First step is automatically pop up the ringtone and animate the general mode. Second step is instinctual on mobile data and get current spot of the non general mobile. At a time of household use need only first step for find out the mobile but any person forgot actually where is mobile after leave the office or at time of travelling from office to home whenever mobile is on non general mode then there is need of two steps which are pop the ring tone, an activate the general mode then automatically on mobile data to get current locality and send SMS to non general mode to get the mobile without tension.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042806 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ASPA-SYSTEM ;IN AIR STEAM PROTEIN, VITAMIN ABSTRACTION SYSTEM

(51) International classification	:A47J 27/00	(71)Name of Applicant : 1)PROF. S.V PRABHAKAR VATTIKUTI Address of Applicant :SCHOOL OF MECHANICAL ENGINEERING, YEUNGNAM UNIVERSITY, GYEONGSAN- 712749, SOUTH KOREA Republic of Korea
(31) Priority Document No	:NA	2)PROF. DR. B. VENKATESH
(32) Priority Date	:NA	3)PROF. DR. SANDEEP KUMAR GUPTA
(33) Name of priority country	:NA	4)PROF. DR. BIPLAB KUMAR SARKAR
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)PROF. S.V PRABHAKAR VATTIKUTI 2)PROF. DR. B. VENKATESH 3)PROF. DR. SANDEEP KUMAR GUPTA 4)PROF. DR. BIPLAB KUMAR SARKAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Abstract In This Invention the waste steam convert into a more than three usefully thing Tower Generation, Filter Water and Protein, Vitamin, through Pressure Cooker Steam. In this technology which produces three main by products that is Electricity, Distilled Water and Protein, Vitamin by using pressure cooker steam. This invention is very cost effective because doesn't require any large amount of fuel, coal, wood to produce electricity. This technology does not use reserve earth material for production of electricity. My invention focus on the electricity generation from the pressure cooker steam which is used for normal cooking purpose inside the kitchen initially cooker used to cook food in less time and at low cost. But that cooker only introduced to generate electricity. Here with the help of pressure cooker steam turbine is moved and mechanical energy sends to generator to create electricity. Once pressure cooker vessels steam goes out, that time that steam is provided to the turbine to get start and generate electricity. After electricity generation again that waste steam is used to transform into distilled water and abstraction Protein, Vitamin. This can be possible with the help of condenser and air cooling system. Steam came out is cooled in the condenser and air cooling system. That transformed water is collected in the pipe and went through activated carbon filter to remove impurities. Thus the filtered water is collected in the water storage and used for household purpose. And available impurities apply the abstraction technique of Protein, Vitamin, to abstract the available Protein, Vitamin in these impurities this invention produces three products which are more demanding nowadays. Water is the natural source depends on the rain cannot be created by any ways. But by using such a methodology water can be reused multiple times from water to steam and again from steam to water. Such a technology can be placed in the house, hotels, restaurants where large amount of steam goes out during cooking time, this is the small scale project but this technology can be applied on the natural sources of water where steam goes out due to sun or any other reason. This invention will solve the worlds biggest problem in low cost.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2018

(21) Application No.201821025148 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FB-ERADICATION : A DOCUMENT IMAGE BINARIZATION TECHNIQUE FOR FOREGROUND AND BACKGROUND INTERFERENCE ERADICATION

(51) International classification	:G06K 9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PROF. APARNA V. PATIL
(32) Priority Date	:NA	Address of Applicant :SAMVED APPT. FLAT NO.1, PLOT NO. 121, SECT NO. 29, RAVET PRADHIKARAN, NEAR D-MART, AKURDI, PUNE-35, INDIA. Maharashtra India
(33) Name of priority country	:NA	2)PROF. GAURI BHUSHAN GARUD
(86) International Application No Filing Date	:NA	3)PROF. (DR.) REENA SINGH
(87) International Publication No	: NA	4)PROF. AJAY DURG
(61) Patent of Addition to Application Number Filing Date	:NA	5)MRS. PALLAVI JHA
(62) Divisional to Application Number Filing Date	:NA	6)PROF. SHILPA DHANORKAR
		7)DR. YASHPAL SINGH
		8)MS. P. P. DANDAVATE
		9)PROF.(DR.) BIPLAB KUMAR SARKAR
(72)Name of Inventor :		
		1)PROF. APARNA V. PATIL
		2)PROF. GAURI BHUSHAN GARUD
		3)PROF. (DR.) REENA SINGH
		4)PROF. AJAY DURG
		5)MRS. PALLAVI JHA
		6)PROF. SHILPA DHANORKAR
		7)DR. YASHPAL SINGH
		8)MS. P. P. DANDAVATE
		9)PROF.(DR.) BIPLAB KUMAR SARKAR

(57) Abstract :

An oval mechanism of document image binarization that addresses the bifurcation of text from badly degraded document image .In proposed system, a contrast image converse on is carried out first for an input degraded document image. The contrast image is a combination of the localism age contrast and the localism age gradient to get the adaptive image contrast. The contrast image is then further processed by texts stroke edge detection process with gray scale edge detection for sharper edges. Once the texts stroke edge pixels are detected properly, the local there holding technique calculates the local thres holed values for the divided windows and then image convert into binary map. To enhance the binary image, post processing method is used to eliminate the non-stroke pixels from binary image. It returns a clear image which consists. Document image Binarization has been studied for many years; the share-holding of degraded document images is still an unsolved problem. This can be explained by the fact that the modeling of the document for ground/background is very difficult due to various type of document degradation such as uneven illumination, image contrast variation, bleeding-through, and smear, foreground and background text interference. Proposed system try to developr ousting deficient document image bin arization techniques which are able to produce good results for badly degraded document images

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2018

(21) Application No.201821025819 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CAMERA LENS TO IMPOSE 3D PICTURE.

(51) International classification	:G03B 13/12	(71)Name of Applicant : 1)SOLANKI RITABEN Address of Applicant :A/202, GAURAV TOWER, PRABHAT CHOWK, RANNA PARK, GHATLODIA, AHMEDABAD-380061, GUJARAT, INDIA Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor : 1)SOLANKI RITABEN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT The present subject matter discloses an apparatus for capturing and imposing 3D image/picture comprising a pair of camera lens, wherein the camera lens is maintaining a distance of about 60 to 70 millimeter (mm) from a center point of the camera lens for capturing a view of an object/scene is characterized with sense of depth, more information and better data packet of the object/scene by selecting a range of about 140 degree by each lens. The camera lens is further characterized in that the lens is applicable and suitable to the apparatus of any thickness and size. Here the apparatus is a communicating and capturing system with a pair of camera lens, a processor, a memory and an operating system; and a display unit to display 3D image/picture. The present subject matter further discloses method of manufacturing of an apparatus thereof.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2018

(21) Application No.201823032948 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A METHOD FOR DETECTING AND CONTAINING A WORMHOLE ATTACK IN A NETWORK

(51) International classification	:H04L 12/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:201821031910
Filed on	:26/08/2018
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Mrs.Snehal A. Bhosale

Address of Applicant :Q-1101, Astonia Royale, Off New Mumbai-Banglore Highway, Ambegaon, Pune, Maharashtra, India, 411046 Maharashtra India

2)Dr.Santosh S.Sonavane

3)Dr.Suryakant Babanrao Patil

(72)Name of Inventor :

1)Mrs.Snehal A. Bhosale

2)Dr.Santosh S.Sonavane

3)Dr.Suryakant Babanrao Patil

(57) Abstract :

A method for detecting and containing a wormhole attack in a network comprising a plurality of devices, the method comprising providing a plurality of devices connected with each other, providing at least one managing device comprising a processor and a memory associated with the processor, wherein the at least one managing device being connected with the plurality of devices via suitable interfaces, and being configured to execute a set of commands so as to detect a wormhole and on detection contain the same. The method of the present invention is simple, economical and easy to implement.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/06/2018

(21) Application No.201827022067 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ORAL PHARMACEUTICAL FORMULATIONS OF REMOGLIFLOZIN

(51) International classification	:A61K31/00
(31) Priority Document No	:201721020166
(32) Priority Date	:08/06/2017
(33) Name of priority country	:India
(86) International Application No	:PCT/IB2018/054091
Filing Date	:07/06/2018
(87) International Publication No	:WO 2018/198102
(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)GLENMARK PHARMACEUTICALS LIMITED

Address of Applicant :B/12 Mahalaxmi Chambers 22
Bhulabhai Desai Road Andheri (East) Mumbai 400 026
Maharashtra India

(72)**Name of Inventor :**

1)DHUPPAD Ulhas

2)DESHMUKH Nitin

3)SADAPHAL Krishna

(57) Abstract :

The present invention relates to an immediate release oral formulation of remogliflozin or pharmaceutically acceptable salts thereof administered in patients in need thereof for the treatment of diabetes mellitus. The present invention further relates to a pharmaceutical formulation comprising synergistic combination of remogliflozin etabonate and metformin hydrochloride. In a preferred embodiment the invention relates to a bilayer tablet comprising an immediate release layer and an extended release layer wherein the immediate release layer comprises remogliflozin etabonate or pharmaceutically acceptable salts thereof and the extended release layer comprises metformin or pharmaceutically acceptable salt thereof.

No. of Pages : 32 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201821019416 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ORTHODONTIC SKELETAL ANCHORAGE KIT

(51) International classification	:A61C 7/00 A61C 8/00	(71) Name of Applicant : 1)DR. VIVEK PATNI Address of Applicant :1204, A2, ANAND SAVLI SOCIETY, LOUISWADI, THANE (W)- 400604, MAHARASHTRA, INDIA Maharashtra India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)DR. VIVEK PATNI
(33) Name of priority country	:NA	2)DR. SHEETAL POTNIS
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to an orthodontic skeletal anchorage kit which is a container box including all the components for implant system; a drill for implant system; a mushroom shaped handle with tip for implant system; a mini contra angle machine driver; a small hand driver with ring; a plurality of various sized mini implants; an interdental osteotomy drill with changeable tips, the small hand driver has a unique ring shaped attachment to hold during working and the straight hand driver has a mushroom shape head for better ergonomics and small antiskid dimples to make it comfortable on gloved fingers and palm during working. Fig. 1 of the drawings illustrate the invention.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/10/2018

(21) Application No.201821039953 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTI DECK CAR PARKING SYSTEM WITH TRAVELLING LIFT (ELEVATOR) HERE IN AFTER REFERED AS CB'S PARKING SYSTEM.

(51) International classification	:E04H 6/00	(71) Name of Applicant : 1)BOSAMIA CHANDRAKANT KHETSHIBHAI Address of Applicant :401/2, JAGMAGIA APT., NAHAR NAGAR, MAMLATDARWADI, MALAD(W), MUMBAI PIN CODE: 400064 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)BOSAMIA CHANDRAKANT KHETSHIBHAI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

APPENDIX -B1 Abstract of Innovation Parking of a car in cities like Mumbai is a big headache for self drive motorist. This invention CBs Parking system is the correct answer to this problem. From fabrication Engineering point of view the fabrication/construction is very basic & simple. Too much complicated system as can be observed on Google - You Tube etc create problem in working and are also time consuming. Such complications are avoided in this invention to a large extent. The only part of modernisation is in digital controls which are, nowadays, quite dependable. Comparing this parking system with parking floors in a building, CBs Parking System is very very compact & can accommodate more number of cars per unit area. The parking floor type require double ramps broad enough for cars to go up & down where as in case of CBs Parking System, area of car width plus 600 mm clearance (300 mm on two sides) is adequate. So also the distance between two parked cars in the parking zone has to be minimum 1500 mm to accommodate turning radius of a car turning in to the car space from drive zone in the present floor system where as in the case of CBs Parking system no more than 600 mm (300 mm on two sides) clearance is more than enough. If the CBs Parking System is underground, it leaves the compound space open for other uses like Garden, Childrens play things etc. This adds to the beauty of a building. So also first few floors for parking purposes tarrish the beauty of a building where as the CBs Parking System can be tucked a way behind the building or, still better, be underground. Because of space saving this invention will also be cheaper resulting in lower investment making the tenaments available to people at lower rates.

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/08/2018

(21) Application No.201827032218 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OPHTHALMIC LASER TREATMENT SYSTEM AND METHOD

(51) International classification :A61F9/007A61F9/008A61F9/009
(31) Priority Document No :62/299425
(32) Priority Date :24/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/019180
Filing Date :23/02/2017
(87) International Publication No :WO 2017/147324
(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)PERFECT IP, LLC

Address of Applicant :1601 Elm Street Suite 3500 Dallas, TX 75201-4703 U.S.A.

(72)Name of Inventor :

1)SAHLER, Ruth

2)ALLEY, Raymond, Kenneth

3)BILLE, Josef, F.

(57) Abstract :

An ophthalmic laser treatment system and method providing for a liquid optical interface (LOI) with a patient eye surface (PES) using an elliptical ocular suction ring (OSR) is disclosed. A disposable ocular patient- interface (OPI) provides for simultaneous differential vacuum mating of the PES OSR OPI and an optical window retainer (OWR). The PES OSR OPI and OWR form an enclosed volume in which liquid may be interjected to cover the PES during laser treatment. A vacuum suction pump (VSP) provides controlled vacuum to the OPI ensuring proper differential vacuum mating (DVM) between the PES OSR : OPI and OWR during laser treatment. The OWR connects to a laser objective bracket (LOB) via an ocular force sensor (OFS) and an optical separator bracket (OSS). The OFS senses applied pressure to the PES and provides data to a computerized control device (CCD) that limits applied pressure to the PES during laser treatment.

No. of Pages : 48 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2018

(21) Application No.201821038619 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HOME AUTOMATION SYSTEM

(51) International classification	:H04L 29/00, G10L 15/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	<p>(71)Name of Applicant :</p> <p>1)Dr. Manish Shrivastava Address of Applicant :Director, R&D LNCT Bhopal (M.P.)-462023, INDIA Madhya Pradesh India</p> <p>2)Abhishek Dwivedi 3)Pushpendra Singh Tomar 4)Chanchal Lohi 5)Mr. Abhineet Sivadas 6)Mr. Darpan Zope 7)Mr. Kundan Jha</p>
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(57) Abstract :

The present invention relates to a home automation system (IoT device) that can be achieved by installing a module to home and by registering on app or website. More specifically this device is able to get and monitor home from a distant places. The invention discloses a home automation that is automated IOT based system. The system is developed by integrating IOT devices. The invention discloses a home automation system through IOT using voice recognition. Voice Assistant to give voice command to the relevant cloud and it will control the devices/appliances. The application will help to reduce the power consumption as we can control the lights through app as well which would help to switch on or off the lights remotely if we forgot to turn it off.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2018

(21) Application No.201821003856 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LIQUID BOTTLE CONTAINER WITH SEPARATE STORAGE FOR SOLID COMPONENTS

(51) International classification	:B65D 81/00	(71) Name of Applicant : 1)Beverade Foods LLP Address of Applicant :GODOWN-07, FLOOR-1ST, PLOT-211/219, JAMAL BUILDING, NAGDEVI STREET, CRAWFORD MARKET, MANDVI, MUMBAI, 400003,MAHARASHTRA, INDIA Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Afwaz Sunka
(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 pertains to the container/bottle that is constructed to store the liquid constituent and powder constituent of the liquid formulation in different compartments that are mixed before use. Such arrangement or construction of the container prolongs the shelf life of the milk or any other liquid content. The present invention serves the purpose of longer use of the liquid constituent as the stability of the ingredients is increased as they are not mixed and remain in the inactive form until constituted together. This not only increases the shelf-life but also keeps the freshness of the liquid content intact during the consumption by the consumer. The present invention mainly is utilized for commercial volume sale wherein the bottle container mechanism is for one time use only.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2018

(21) Application No.201821033292 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SLIMWUD

(51) International classification	:C01B 33/00	(71) Name of Applicant : 1)ADVANI ASHOK Address of Applicant :D-248, AMAR GIAN, L.B.S. ROAD, KHOPAT, THANE (WEST)-400601, MUMBAI, MAHARASHTRA, INDIA. Maharashtra India 2)OVALEKAR SUNANDA
(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	(72) Name of Inventor : 1)ADVANI ASHOK 2)OVALEKAR SUNANDA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

SLIM WUD is fulfilling the need of present day Interior Designers Furniture pieces are made with SLIM WUD, multi-directional joint free monolithic pieces. No nail marks, as it is nail free.

No. of Pages : 20 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/10/2018

(21) Application No.201821038951 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD OF POSTURE DETECTION RELATED TO SITTING ARRANGEMENT FOR ADVANCED DATA ANALYTICS

(51) International classification	:A61B 5/00	(71) Name of Applicant : 1)Soubhik Das Address of Applicant :G-7, Samarth Park, Anandnagar, near Santosh Hall, Sinhagad Road, Pune-51, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	2)Ameya Kale
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)Soubhik Das 2)Ameya Kale
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The method of posture detection involves capturing audiences™ posture at run-time to find out their enthusiasm and involvement as regards to the sitting arrangement inside. The said posture is captured using night-vision cameras at run-time. Data Analytics and Big Data is applied on the cumulative captured data to find out meaningful patterns within it and subsequently determine if the overall context goes well with the audience on an average. Further, the data is sent to the performer or someone on the stage in the form of a dashboard to let the concerned people know whether the audience is getting along. In addition, the performers come to know what action to take next as they have the required data with them.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201821030695 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A INNOVATIVE SOLAR LIGHT COLLECTOR CUM PROCESSOR FOR VARIOUS PRESSURE AND NON PRESSURE APPLICATIONS.

(51) International classification	:F24S 23/00	(71) Name of Applicant : 1)ARVIND CHAURE Address of Applicant :B-13/20, MAHANANDA NAGAR, UJJAIN, M.P., INDIA-456 010. Madhya Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)ARVIND CHAURE
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Sunlight is available in India is in ample quantity. This particular invention is about using solar heat processor which collect heat easily and can utilize for various application at a very lower cost. At the same time device is durable, requires least operation care and so least operating cost, easily transportable, easy to fit, easy to work with, recyclable, can be made on large scale and efficient.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2017

(21) Application No.201721041183 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A FLEXI-WINDING SYSTEM FOR CANDLE FILTERS

(51) International classification	:B65H 54/00	(71) Name of Applicant : 1)KANADE PRAGNYA S. Address of Applicant :Textile Engineering Department, Faculty of Technology and Engineering, Kalabhavan, Near, Badamdi baug, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India 390001. Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)KANADE PRAGNYA S.
(61) Patent of Addition to Application Number	:NA	2)TILWALLI MOHAN R.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT: The flexi-winding system for candle filters relates to the step-precision winding system for candle filter. The present invention consists of two servo-motor. One is to traverse guide linearly and second servo-motor controlling the rotation of cartridge. Throughout the build-up constant coil angle and number of coils are remaining same for predetermined number of traverse strokes, which depend upon the desired cartridge diameter as needed. Moreover the cartridge will be build up zone wise said the number of coils is reduced in each zone and by reducing number of coils density may vary in each zone.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2017

(21) Application No.201721041268 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SPOUT

(51) International classification	:G01B 21/00 G01F 11/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71) Name of Applicant : 1)KNOX INNOVATIONS LLP Address of Applicant :4 Brady Gladys Plaza, 1/447 Senapati Bapat Marg, Lower Parel, Mumbai 400 013 Maharashtra India (72) Name of Inventor : 1)AMAN ARYA 2)DARSHAN PURANIK 3)EESHAN PUJARI 4)HARSHIT RATHORE 5)SAGAR MEHTA
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(57) Abstract :

ABSTRACT SPOUT The present invention provides a spout fitted to a neck of a bottle containing a liquid. The spout includes a storage device, a sensor module, a valve, an electric motor, a processor, and a transceiver. The sensor module measures an angle of tilt of the bottle. The processor operates the electrical motor for a predetermined time period when the measured angle of tilt is within a predetermined range, to dispense a predetermined amount of the liquid out of the bottle. The processor stores, in the storage device, information about amount of the liquid dispensed. The transceiver reads the information stored in the storage device and transmits the information through a wireless network.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/10/2018

(21) Application No.201821039470 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTERACTIVE AUGMENTED REALITY FOR CREATIVE LEARNING

(51) International classification	:G09B 7/00	(71)Name of Applicant : 1)Risil Chhatrala Address of Applicant :S.NO.56/4/1, SHOP NO.29,VISION ONE, near hotel Ginger, Mumbai Bangalore Highway, Tathawade, Pune 411033 Maharashtra India
(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	(72)Name of Inventor : 1)Sameer Mohanty 2)Risil Chhatrala
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses augmented (as well as virtual) reality based systems, methods, computer and mobile software (application), and colored/uncolored artistic / textual content/flash cards for active and interactive learning. The ordinary pages are brought to life with 3-D or multi dimensional graphical representation, real time texturing of 3 Dimensional models and animated characters and environments, utilizing a smart phone/tablet or any mobile computational device to interact with the book, flash cards and other colored or uncolored artistic material. The computer / mobile software application has the scanning and processing capability to detect the colors and/or texture of the image and augment 3-Dimensional interactive models with the same colors and/or texture. It leads to facilitation of improved creativity, better visualization of academic and non academic contents which immerses users into the activity driven improved academic learning.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2018

(21) Application No.201821006576 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A METHOD FOR CONVERTING AGRICULTURAL BIOMASS OR INDUSTRIAL BIO WASTE INTO BIOFUEL

(51) International classification	:C10L 5/00	(71) Name of Applicant : 1)ALP MULTITECH PVT. LTD. Address of Applicant :4, MANICHANDRA SOCIETY, PART-1, NEAR SURDHARA CIRCLE, THALTEJ, AHMEDABAD- 380 054, GUJARAT, INDIA. Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)ARVINDBHAI LAVJIBHAI PATEL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for converting agricultural biomass (10) or industrial biowaste into biofuel (90) using concentrated radiated energy (30) is disclosed. Biomass (10) or biowaste is stored inside a batch reactor (20) in either solid or semisolid state. Unwanted moisture and unwanted oxygen are removed from the stored agricultural biomass (10) or industrial biowaste. Concentrated radiated energy (30) is directed towards the biomass (10) or biowaste through a radiated energy concentrator (35) that focuses the concentrated radiated energy (30). Biomass (10) or biowaste is kept within the depth of focus of the concentrated radiated energy (30) during the conversion operation. Due to substantial matching of the absorption peak of biomass (10) or bio waste with the emission peak of the concentrated radiated energy (30), the biomass (10) or bio waste that is within the depth of focus instantaneously decomposes into biofuel (90). The biofuel (90) thus generated is at ambient temperature with higher energy density.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2017

(21) Application No.201721029818 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A NOVEL VACCUM TUBE RECEIVER FOR SOLAR COLLECTORS •

(51) International classification	:F24S 10/00	(71)Name of Applicant : 1)PANSE; SUDHIR VISHNU Address of Applicant :INSTITUTE OF CHEMICAL TECHNOLOGY NATHALAL PAREKH MARG MATUNGA EAST,MUMBAI MAHARASHTRA INDIA 400019 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	2)DALVI; VISHWANATH HAILY
(87) International Publication No	: NA	3)JOSHI; JYESHTHARAJ BHALCHANDRA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PANSE; SUDHIR VISHNU
(62) Divisional to Application Number	:NA	2)DALVI; VISHWANATH HAILY
Filing Date	:NA	3)JOSHI; JYESHTHARAJ BHALCHANDRA

(57) Abstract :

ABSTRACT A NOVEL VACUUM TUBE RECEIVER FOR SOLAR COLLECTROS The present invention relates to a novel vacuum tube receiver for solar energy collecting apparatus. More specifically, the present invention relates to device that receive and absorb the solar radiation from a solar collector of parabolic trough type of collectors or non-concentrating type of collectors and converted to thermal energy while simultaneously suppressing heat losses, by convection, conduction or radiation, from the absorber pipe. The vacuum tube receiver consist of an evacuated transparent tube (1) and a metal tube (6) for carrying Heat Transfer Fluid are configured one of the above, in which the vacuum sealing between glass and metal is eliminated and provided with ease of repairing metal tube without damaging the evacuated tube. Figure no. 1 Dated this 23rd day of August 2018

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2017

(21) Application No.201721043310 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD TO AUTO-CALIBRATE A SCANNING BRIGHT-FIELD MICROSCOPE

(51) International classification	:G02B 21/00	(71) Name of Applicant : 1)MORPHLE TECHNOLOGIES PRIVATE LIMITED Address of Applicant :Flat No.B706, Ganesh Towers, Bharatnagar, Amraoti Road,, Nagpur, Nagpur, Maharashtra, India, 440001 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Rohit Hiwale
(87) International Publication No	: NA	2)Anchit Navelkar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

SYSTEM AND METHOD TO AUTO-CALIBRATE A SCANNING BRIGHT-FIELD MICROSCOPE The present invention relates to system and method to auto-calibrate a scanning bright-field microscope. The system comprising scanning bright-field microscope configured to focus a sample; an image capturing device operatively coupled to the scanning bright-field microscope to capture a plurality of images of the sample; a processing unit operatively coupled to the image capturing device to process the captured image; and a storage module operatively coupled to the image capturing device. The processing unit includes a self-diagnosing module to diagnose a plurality of inaccuracies in the scanning bright-field microscope, and an auto-calibration module operatively coupled to the self-diagnosing module to re-calibrate the scanning bright-field microscope automatically. The scanning bright-field microscope is auto-calibrated based on the processed and stored image of the sample. The system auto-calibrates before every sample is scanned thus reducing dependency on calibration samples. Figure 1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/07/2018

(21) Application No.201821026842 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FRUIT PULP EXTRACTING MACHINE

(51) International classification	:A23N 4/24	(71)Name of Applicant : 1)Dr. Kalyan Prabhakar Babar Address of Applicant :Department of Agricultural Engineering, Maharashtra Institute of Technology, Beed bypass road, Sataraparisar, Aurangabad, (MS), India. Pin 431010 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	2)Mr. Mayur Prafulla Nikam
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr. Kalyan Prabhakar Babar
Filing Date	:NA	2)Mr. Mayur Prafulla Nikam
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention provides a machine for extraction of pulp from the fruits. This invention successfully uses to extract the fruit pulp from the seeds. The operating principle is to convey the fruits from the hopper by helical screw against a stationary sieve, the pulp extraction is achieved by means of L-shape small sharpened blade on a shaft, at the end there are C shape horizontal plate and nylone hard brushes mounted on the shaft closely to the extraction cylindrical chamber which rotates with the aid of the gear drive and the rotation is achieved by means of motor, due to frictional and shear forces the fruit pulp is separated from the seeds by crushing and brushing mechanism. Following invention is described in detail with the help of Figure 9 of sheet 5 showing diagram of whole assembly of guava fruit pulper.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2018

(21) Application No.201821043355 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RIGID VIDEO LAPAROSCOPE

(51) International classification	:G21C 17/00	(71) Name of Applicant : 1)Sagar Jawale Address of Applicant :Jawale hospital, Near SBI, Jilha Peth, Gandhi Nagar, Jalgaon-425001 Maharashtra India
(31) Priority Document No	:NA	2)Gnanaraj Jesudian
(32) Priority Date	:NA	(72) Name of Inventor :
(33) Name of priority country	:NA	1)Sagar Jawale
(86) International Application No	:NA	2)Gnanaraj Jesudian
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract: Rigid video cystoscope(24F) The instrument is a three in one device in which the telescope, the light source and endo camera are in built. It has vertical diameter of 8 mm and transverse diameter of 5 mm. It has two stainless steel tubes welded to each other one below the other. The outer diameter of upper tube is 4.5 mm and inner diameter is 4 mm. To the back side of this tube, a three female stop cocks with luer locks are attached. The lower stainless-steel tube has outer diameter of 3.5 mm and inner diameter of 3 mm. This is a 10 F single straight channel for instrumentation. The side female stop cocks channels are used for irrigation of fluid and the central channel is for instrumentation. The tip of the instrument is coated with 0.5 mm thick polylecithin plastic tube of one-inch length. It makes the tip of the instrument blunt and non-traumatic. To the tip of the upper tube a video camera of 4 mm diameter with 4 white light LEDs are attached. The 10 wires of this camera pass through this tube and come out in the vertical black bar attached in front of the stop cocks. This vertical cylindrical bar contains a circuit, an analogue to digital converter which converts the analogue video signal from the camera into digital USB signal. The USB output is received at the male USB connector attached at the top of the cylinder. This cylindrical hub is made up of heat resistant and bio compatible plastic called Delrin-polyacetal.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2018

(21) Application No.201821036346 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR PRODUCTION OF FERMENTATION CONTROLLED FOOD PRODUCT

(51) International classification	:A21D 10/00	(71) Name of Applicant : 1)SEALED AIR PACKAGING MATERIALS (INDIA) LLP Address of Applicant :C BLOCK, BTRA CAMPUS, GHATKOPAR (w), MUMBAI-400086, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)NIDHI RAMMANOHAR
(87) International Publication No	: NA	2)SAMPADA MUNJ
(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 ready-to-cook fermented batter product pack having stability at ambient temperature and process of production thereof. The fermented batter consisting of rice, black gram in weight ratio from 3:1 to 5:1) and having a viscosity of 10000 to 35000 cp and a pH of 5.8 to 6.3 and lactic acid bacteria in a range from 106 to 108 cfu/g packed in controlled transmission laminate that helping to provide a long shelf life at ambient temperature. The ready-to-cook fermented batter product pack is withstand the microbial count of said fermented batter within the range from 106 to 109 cfu/g when stored at ambient temperature selected from 20 to 40 °C for upto 4 days. Dated this 26th day of September 2018.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2018

(21) Application No.201821009722 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A UNIQUE ANGULAR ARRANGEMENT FOR ANTI-SKID PLATFORM •

(51) International classification	:A43C 15/00	(71) Name of Applicant : 1)GANESH ISHWARBHAI GOHIL Address of Applicant :15/16, TRIBHUVAN INDUSTRIAL ESTATE, NEAR KATHWADA GIDC ROAD NO-8, KATHWADA, AHMEDABAD 382430, GUJARAT, INDIA Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)GANESH ISHWARBHAI GOHIL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a unique angular arrangement for anti-skid platform to provide slip free surface in industries, construction sites, and the likes. Said anti-skid grating consist of plurality of rows of apertures punched on the flat metal sheet such that edges of two parabolic side walls of an aperture are opposite facing and serrated on the edges; forming diamond type structure that provides exceptional gripping surface. Said aperture side walls are projected on the angle between 45°-80° with respect to any one surface of the grating sheet that provide better gripping for footwear as well as self-cleaning and requires low maintenance. The serrated teeth on the edges of both the side walls are designed such a way that they provide traction in all the directions under all practical conditions.

No. of Pages : 10 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2017

(21) Application No.201741028415 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CRISIS MANAGEMENT WITH STATE SPACE CONTROLLER [SSC] FOR PREDICTIVE FLIGHT IN PROFESSIONAL UAV APPLICATIONS

(51) International classification	:B64C 39/02	(71) Name of Applicant : 1)CVR COLLEGE OF ENGINEERING Address of Applicant :Vastunagar, Mangalpalli (Village), Ibrahimpatnam (Mandal), Hyderabad, Telangana, India, Pin Code- 501 510. Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	2)Dr. PEDDI SUBRAHMANYAM
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA	1)Dr. PEDDI SUBRAHMANYAM
(62) Divisional to Application Number Filing Date	:NA	2)Ms. BADDAM VIDYA REDDY
		3)Mr. KAAKI ANIL KUMAR

(57) Abstract :

The crisis is an undesirable Situation which emanates if the copter is found to deviate from its predetermined flight path. Intuitively, at this juncture, the copters flight Parameters (motion statistics) are different from what they were predisposed. If uncorrected, this difference can result in the copter following an entirely new trajectory or a complete misalignment to the target location which is critical from a practical application stand-point. As a part of the crisis management, a course correction methodology was developed based on the selection of vulnerable points along the flight track and examine the flight data to keep them in a manageable limit. This method was applied to a Point to Point Oelivery (P2PD) System and vulnerable sources of such crisis scenarios are examined. This also resulted in an exhaustive study of the cause and effect relatationships and the invention of practical Solutions to avert the Situation. For a problem that is highly stochastic in nature, developing a singular/unique Solution is not conceivable. To this effect, iterative correction schemes (based on experimental trials) are shown to successfully provide optimized Solutions as a workaround for an unprecedented crisis.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2017

(21) Application No.201741028416 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : UAV TEST JIG - 'AN EFFECTIVE DESIGN AND TESTING PLATFORM' TO BUILD PRECISION COPTERS FOR PROFESSIONAL APPLICATIONS

(51) International classification	:B64C 39/02	(71) Name of Applicant : 1)CVR COLLEGE OF ENGINEERING Address of Applicant :Vastunagar, Mangalpalli (Village), Ibrahimpatnam (Mandal), Hyderabad, Telangana, Pin Code-501 510. Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	2)Dr. P. SUBRAHMANYAM
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Dr. P. SUBRAHMANYAM
(61) Patent of Addition to Application Number	:NA	2)MS.BADDAM VIDYA REDDY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present patent work mainly relates to the development of precision copters for various applications. After conducting several experimental trials, a need was felt to create separate copter testing platforms and build conducive environments to study their performance. This resulted in the invention of two general purpose test platforms, and three special purpose platforms [called Uni-Axial Testing Platform (UATPs)]. Based on the nature of the application and the type of U ATP used, the mechanics of the copters motion is designed based on a four-step proposition which involves Pre-determination of flight path data, continuous monitoring of the sensory parameters, Command and Control of the vehicle (PMCC). The contributory roles of UATP and UATP environment are also discussed in detail. In this set-up, any copter running an application must closely follow the pre-planned flight path. Preliminary experimental results show that a choice of a suitable test platform and its environment are critical in testing the copter thoroughly before it takes off into the free space. Constrained flying and flying in free space are challenging problems which originate from the concept of accurately determining control parameters that reinforces it to follow a pre-determined flight path even under unfriendly environments. This cueing factor 'following the planned flight path' provided a tip for the conceptualization of this problem and resulted in the invention and implementation of the idea of PMCC, which was the method introduced in the inventor's earlier patent work. In the present patent, a new method is added to further enhance the performance. In this method, the flight track is strategically segmented, and the copters flight data are administered using the PMCC operations both in guided mode and in free space. (Details on the PMCC operations are shown in the previous patent). It is imperative that while executing the application, apart from closely following the flight track the UATP and the environment should not only check its performance but also verify the health (state) of the copter are regular intervals. For this purpose, details of the invention of a new type of UATP: copter Launch Pads for Special Purpose (Fixed and Portable models) - and a single segmented UATP is also presented in this patent.

No. of Pages : 35 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2017

(21) Application No.201741041118 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CREATING A UNI - AXIAL - TESTING - PLATFORM ENVIRONMENT (UATP ENVIRONMENT) FOR DEVELOPING COPTERS FOR APPLICATIONS

(51) International classification	:B64C 39/02	(71) Name of Applicant : 1)CVR COLLEGE OF ENGINEERING (ECE DEPARTMENT) Address of Applicant :VASTUNAGAR, MANGALPALLI (VILLAGE), IBRAHIMPATNAM(MANDAL), HYDERABAD, TELANGANA 501510 Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	2)DR. PEDDI SUBRAHMANYAM
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. PEDDI SUBRAHMANYAM
Filing Date	:NA	2)Mr. KAAKI ANIL KUMAR
(62) Divisional to Application Number	:NA	3)Ms. BADDAM VIDYA REDDY
Filing Date	:NA	

(57) Abstract :

The innovation presented in this endeavor describes the development of precision copters. From an application perspective, a fundamental contrast between a generic copter and a precision copter lies in controlling the copters flight path. Preliminary experimental investigations revealed that the transformation from an indefinite to a precise mode of flight is a non-trivial process. Such an alteration not only requires a specialized testing platform but also a conducive environment to obtain control variables that make this transition feasible. This hypothesis resulted in the invention of a unique contraption known . as the Uni-Axial Testing Platform (UATP). The uniqueness of the UATP assembly is that it seamlessly provides a good launching platform and it is independent of the type of application. These platforms play a significant role in running the applications and maintaining their accuracy thus enhancing its performance. Based on the nature of the application and the type of UATP used, the mechanics of the copters motion is designed based on a four-step proposition which involves Pre-determination of flight path data, continuous monitoring of the sensory parameters, Command and Control of the vehicle {PMQ. ■ To further enhance the precision of the copters motion, a new procedure called as the Segmentation of Flight Path (SFP) is developed which basically discretizes the pre-planned flight path into several sizeable segments to obtain control parameters. As a part of the UATP environment, an Inertial Measurement Units {IMU} device was to monitor . and process the copters flight data. To use the IMU sensor data effectively a novel sensor calibration and testing equipment were also fabricated in processing the generated flight data. In the scenario of a copter deviating from the benchmarked flight path (due to external disturbance), a procedure that is utilized to obtain corrections to mitigate the problem is also presented. Also presented in this work is the role of UATP in successfully obtaining reproducible and reliable flight data by conducting repetitive comprehensive experimental investigations which are otherwise impossible in a free-flying scenario. The implementation of this hypothesis and the enlisted procedures to improve the copters performance and accuracy are delineated in another patent.

No. of Pages : 34 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2017

(21) Application No.201741041119 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CUSTOM EXPERIMENTS WITH UAVS ON UNI - AXIAL - TESTING - PLATFORM IN UATP ENVIRONMENT

(51) International classification	:G05D1/0088; G05D1/104	(71) Name of Applicant : 1)CVR COLLEGE OF ENGINEERING (ECE DEPARTMENT) Address of Applicant :VASTUNAGAR, MANGALPALLI (VILLAGE), IBRAHIMPATNAM(MANDAL), HYDERABAD, TELANGANA 501510 Telangana India 2)DR. PEDDI SUBRAHMANYAM
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)DR. PEDDI SUBRAHMANYAM
(33) Name of priority country	:NA	2)Mr. KAAKI ANIL KUMAR
(86) International Application No Filing Date	:NA :NA	3)Ms. BADDAM VIDYA REDDY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This patent describes the development of precision copter system dynamics. A point-to-point delivery system, which is quite challenging in terms of design and model development, was chosen to validate these findings. The preamble on which a generic copter application operates is based on dictating a pre-planned flight path to the copter and strategically programming the copter to follow it as accurately as possible. In order to achieve this objective, a systematic experiment campaign was conducted to not only identify the parameters that control the copter flight dynamics but also determine the variables that facilitate ' stability and accuracy of the flight motion. The first requirement in the testing process was to create a unique test platform for a generic copter application. This transitioned into the second requirement which is based on providing a conducive test environment which resulted in the development of a UATP i environment. The third and the most significant aspect of the testing procedure was to ensure efficiency and accuracy of the copter in carrying out an application On top of the standardized testing procedures, several dedicated experimental campaigns were conducted to improve the precision thus ensuring a product that is viable in terms of design and productivity. This pointed investigations results in the modifications and development of (a) Copter Launching Pad type of UATP (b) UATP environment, and, (c) a unique but robust procedure known as PMCC that blends the marked way points along the flight track. One of the major learnings from these experimental investigation was the improvement of accuracy. This was done by discretizing the flight path into number of segments to ensure stability of the copter in the event of an external disturbance affecting the flight path. The results of these customized experiments justified the modifications that were incorporated in developing the application which inherently has many advantages over the previous methods of approach.

No. of Pages : 30 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2017

(21) Application No.201741037955 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A DEVICE FOR DETECTING DROWSINESS AND METHOD THEREOF

(51) International classification	:B60K 28/06; G08B 21/06	(71) Name of Applicant : 1)SRM UNIVERSITY Address of Applicant :KATTANKULATHUR, CHENNAI-603203, TAMIL NADU, INDIA Tamil Nadu India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)A.K.Jayanth
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a device (100) and method for detecting drowsiness. The device (100) comprises an EEG processing unit (80) configured to cooperate with a microcontroller (12), configured to generate device commands, and a plurality of EEG electrodes (20), configured to acquire an analog EEG signal from a human brain. The EEG processing unit (80) conditions the analog EEG signal, extracts theta wave from the analog EEG signal and generates a triggering signal, if the amplitude of received theta wave exceeds a pre-defined threshold amplitude of theta wave. The alarm unit (60) receives the triggering signal from the EEG processing unit (80) and generates an alert signal to notify user about his drowsy state.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2018

(21) Application No.201841043420 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MELANOMA DETECTION AND A METHOD FOR TEACHING-LEARNING MECHANISM

(51) International classification	:A61B10/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)RAMAMURTHY, Pugalenthi

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(72)Name of Inventor :

1)RAMAMURTHY, Pugalenthi

2)ALAGARSAMY, Prabhu Chakkaravarthy

3)PERIYASWAMY, Jeipratha

4)ANANDHA RAJ, Ajoe Sweetlin Jeena

(57) Abstract :

The present invention relates to the field of identification of skin diseases through computer aided design. The Melanoma detection method includes the major steps such as pre-processing, segmentation, feature extraction and classification wherein the fundamental step in the diagnosis is based on Computer Aided Diagnosis (CAD). FIG-2

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2018

(21) Application No.201841043430 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRAVERSED SKEWING OF STATOR AND ROTOR SLOTS IN AN INDUCTION MOTOR

(51) International classification	:H02K19/10	(71) Name of Applicant :
(31) Priority Document No	:NA	1)W.RAJAN BABU
(32) Priority Date	:NA	Address of Applicant :G5, PAKSHIRAJA APTS, PULIKULAM, COIMBATORE - 641045. Tamil Nadu India
(33) Name of priority country	:NA	2)C.S.RAVICHANDRAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)W.RAJAN BABU
(87) International Publication No	: NA	2)C.S.RAVICHANDRAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Induction Motors are the prime moving force in any industrial automation. Its unmatched performance, less cost, rugged construction, minimum maintenance, and ease of speed control are some of the major key features makes it occupy any position in electro-mechanical energy conversion. The population of these motors in industrial environment speaks its advantages. Equipment fitted with induction motors need less attention compared to other type of motors. The normal design of squirrel cage induction motor is by means of skewing the rotor slots for one and a half slot angle of the rotor. The main purpose of skewing is to avoid magnetic locking and also to improve the electromagnetic torque of the motor. In this new design, the skewing are done both in the stator and rotor slots in traversed mode to improve the performance of the Induction Motor.

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2018

(21) Application No.201841043434 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HYBRID SOLAR EGG INCUBATOR

(51) International classification	:F24S10/40	(71)Name of Applicant : 1)ARIVAZHAGAN.S Address of Applicant :11/1, ARCHUNAN SALAI, GOVINDASAMY NAGAR, AHABATHARANAPURAM, VADALUR - 607 303, CUDDALORE DT., Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)ARIVAZHAGAN.S
(33) Name of priority country	:NA	2)GANAPATHY.T
(86) International Application No	:NA	3)JOSHUA ROY.J
Filing Date	:NA	4)KANTHARAJ.I
(87) International Publication No	: NA	5)RATISH. R
(61) Patent of Addition to Application Number	:NA	6)KAVIYARASAN. K
Filing Date	:NA	7)VICKRAM K
(62) Divisional to Application Number	:NA	8)SANKARAMOORTHY.T
Filing Date	:NA	9)SARAVANAN.R
		10)SARAVANAN.B
		11)DEEPANKUMAR.S
		12)VIGNESH SUBRAMANIAM.G
		13)SATISHKUMAR.K

(57) Abstract :

A Hybrid solar egg incubator (I) discloses a semi circular shape solar heat collector (3) , tubular hatching store house , Solar panel (2) on either sides, battery(9), egg mover tray , sensors , actuators and microcontroller. For reproduction chicken egg incubators are used to hatch the eggs without chickens. Conventional egg incubators are using heating lamp to maintain the temperature inside the hatching store house which increases the usage electricity . Hybrid solar egg incubator comprises of a semi circular shape solar heat collector (3) coated with black colour which absorbs the heat and increase the temperature inside tubular hatching storage house. Temperature sensor inside the tubular hatching house (21) sense the temperature and maintain the temperature to 37° by rotating the tubular bin position which is done by the stepper motor (12) . The solar panel (2) fixed on the either side of the egg incubator is employed to store the solar power in the battery (9) which is used to heat the tubular hatching store house during night time and cloudy days. Once the battery voltage is low the system automatically switch to main power supply which will maintain the temperature inside the tubular hatching store house. The humidity 52 % is maintained by maintaining the water level inside the water storage container (16) which is placed below the heating element bulb (15.1). A fan (10) is used to spread the temperature evenly inside the tubular hatching storage house. This system save the electric energy when compare to the conventional egg incubators.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/02/2018

(21) Application No.201841005925 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ASYMMETRIC STRAIN WAVE GEARING SYSTEM

(51) International classification	:F16H43/02	(71) Name of Applicant : 1)VIT UNIVERSITY Address of Applicant :VIT UNIVERSITY NEAR KATPADI ROAD, VELLORE, TAMIL NADU Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Bikash Routh
(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 asymmetric toothed strain wave gearing system with improved performance parameters. The asymmetric involute teeth strain wave gearing system is designed based on lower pressure angle (200 degree) on one side of the tooth curve and the other side of the tooth curve is designed on higher pressure angel (300 degree). The lower pressure angle of the tooth is kept in drive side and higher pressure angle is positioned on the course side of the drive.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2018

(21) Application No.201841043539 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND SYSTEM FOR DATA SECURITY OF CAPSULE ENDOSCOPE IN A CLOUD COMPUTING ENVIRONMENT

(51) International classification	:G06F17/00	(71) Name of Applicant : 1)M VARAPRASAD RAO Address of Applicant :Professor, CSE, CMR Technical Campus, & Director Vaagdevi Info Solutions Pvt Ltd, Hyderabad, Telangana-500097, India. Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	2)Dr A V KRISHNA PRASAD 3)K SRUJAN RAJU
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)M VARAPRASAD RAO 2)Dr A V KRISHNA PRASAD 3)K SRUJAN RAJU 4)Dr CH V PHANI KRISHNA 5)SRI LAXMI KUNA
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards A method for data security of capsule endoscope in a cloud computing environment by generating the image information by photographing the inside of the patients body through the binary swallowed capsule endoscope through the mouth of the patient and the generated image is sent through the capsule endoscope in the data processing apparatus located in vitro with the patient™s body communication scheme; generation of data of the examination result of the patient in combination with the screening information specific to a predetermined service, and the decoding of the examination results follows the real-time encryption result being transferred, and a database of the image information of the subject by the doctor is stored and managed through the cloud server; and retrieving the cloud server and the communication through the available user terminals by using a doctor™s access code where each of the video information each of the video information of the patient of the doctor is stored in real time.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2018

(21) Application No.201841043549 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUTONOMOUS AERIAL VEHICLE

	(71) Name of Applicant : 1)Dr.KG.THIRUGNANASAMBANTHAM Address of Applicant :S/o KV.KRISHNAMOORTHY GANDHI, Department of Mechanical Engineering, St. Peter™s Engineering College, Hyderabad Telangana India 2)R.SHIVA SAI RAMA KRISHNA 3)CHINTADA VENKATA SAI KRISHNA 4)RAVISANKAR PIDAPARTY 5)Dr.RAJASEKAR RANGASAMY
(51) International classification	:B64C1/00 G01S19/03
(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
(72) Name of Inventor :	1)Dr.KG.THIRUGNANASAMBANTHAM 2)R.SHIVA SAI RAMA KRISHNA 3)CHINTADA VENKATA SAI KRISHNA 4)RAVISANKAR PIDAPARTY 5)Dr.RAJASEKAR RANGASAMY 6)J.SHAKTHIVEL 7)Dr.S.ANANTHA PADMANABHAN 8)M.CHAITANYA KISHORE REDDY 9)T.SANKARAMOORTHY 10)Dr. R.MURUGAN 11)Dr. DEEPAK KUMAR NAYAK 12)BASVAPURAM SRIKANTH 13)SAPINENI RAHUL 14)VELMA KIRAN 15)V.SAI KOUSHIK CHARY 16)BOTIKA PREM KUMAR 17)KAYYAM RAJASEKHAR REDDY 18)NELLURI SAI TEJA 19)KATIREDDY MADDUNA SIMHA REDDY 20)ALI AKBAR MEGHJANI

(57) Abstract :

Present invention relates to an autonomous aerial vehicle. More particularly, the invention relates to an autonomous aerial vehicle capable of changing modules, without much alterations. There is provided an autonomous aerial vehicle, comprising an umbrella shaped cover, covering a plurality of motors; a plurality of movable arms, a plurality of propellers are placed over the plurality of arms; a top plate; a bottom plate; arrangement for placing a module; wherein each arm is at an equal angle with each other; wherein the number of motor is equal to the number of arm.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2018

(21) Application No.201841043574 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR REMOTE SURVEILLANCE

(51) International classification	:H04N7/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Address of Applicant :SRM Nagar, Kattankulathur,
Kancheepuram - 603203, Tamil Nadu, India Tamil Nadu India

(72)Name of Inventor :

1)DHANALAKSHMI SAMIAPPAN

2)KUMAR RAMAMOORTHY

3)UTKARSH GOEL

4)PRADYUMNA HEGADE

5)AYUSHI KANDOI

6)VENKATA HARSHAVARDHAN REDDY ALLU

(57) Abstract :

The embodiments of the present invention provide a surveillance system that is capable of transmitting its geo location and threats information to a central unit in a no network zone. The system is further configured for using image processing and machine learning algorithms to deduce any suspicious object from the captured images. Thus, the system is helpful in identifying threats. This system is useful on land and in oceans. The system is very efficient, cost effective and is simple in design. The system enhances the sharpness by extracting information from the images. Once the threat is identified, the system informs the user about the suspicious objects or threats through an alarm or display unit. The system is further configured to take actions accordingly based on the requirements as per the host user. [FIG.1]

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2018

(21) Application No.201841043581 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PLURALITY OF PARTS OF FRESNEL LENS HELD TOGETHER BY FRAMES, TO FORM BIG FRESNEL LENS •

(51) International classification	:F24S20/20	(71) Name of Applicant : 1)VOORADI RAJESHWARA PRASAD Address of Applicant :V. RAJESHWARA PRASAD, House No: 2-4-118, Ramnagar street, Hanamkonda Town, Warangal (Urban) District, Telangana State, INDIA PIN Code: (506001) Telangana India
(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	(72) Name of Inventor : 1)VOORADI RAJESHWARA PRASAD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT OF THE INVENTION The device named as Plurality of parts of Fresnel lens held together by frames, to form big Fresnel lens • consists of plurality of symmetrical parts of an imaginary Fresnel lens among which each one part is supported in a separate frame, and said plurality of frames are collectively held and supported by a big frame such that said plurality of symmetrical half parts of Fresnel lenses collectively concentrate sunlight either at a common focal point, or on a small area • . This device relates to Physical Sciences, The main advantage of this type of Fresnel lenses is that, said plurality of symmetrical parts of Fresnel lens can be made in only one mould, or machine • and said all parts can be assembled together to form a big Fresnel lens. This device comprises of following components. 1) ~Plurality of symmetrical parts of Fresnel lens™ suitable for collectively forming a Fresnel lens when jointed and held together. 2) Frames provided to rigidly hold and support each one part of Fresnel lens independently. 3) A big frame provided to rigidly hold and support said frames provided to rigidly hold and support plurality of symmetrical parts of a Fresnel lens together in closely packed manner so as to act similar to a single big Fresnel lens capable of concentrating sunlight ~either at a focal point, or on a small focal area™. Outline of said big Fresnel lens (formed by jointing said all parts of Fresnel lens) is ~either in the form of circle, or in the form of a square or rectangle or in the form of an Equilateral polygon or in any other suitable shape which is suitable for dividing it into plurality of symmetrical parts™.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2017

(21) Application No.201741039439 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HYBRID BOOSTER DEVICE FOR ULTRASONIC SCALER

(51) International classification	:B06B1/04	(71) Name of Applicant :
(31) Priority Document No	:NA	1)SRI BALAJI VIDYAPEETH
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF PUBLIC
(33) Name of priority country	:NA	HEALTH DENTISTRY IINDIRA GANDHI INSTITUTE OF
(86) International Application No	:NA	DENTAL SCIENCES SRI BALAJI VIDYAPEETH,
Filing Date	:NA	PILLIYARKUPPAM, PUDUCHERRY PUDUCHERRY INDIA
(87) International Publication No	: NA	607 403 Pondicherry India
(61) Patent of Addition to Application Number	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SENTHIL MURUGAPPAN
(62) Divisional to Application Number	:NA	2)M.VIKNESAN
Filing Date	:NA	3)M. KISHORE

(57) Abstract :

TITLE: HYBRID BOOSTER DEVICE FOR ULTRASONIC SCALER APPLICANT: SRI BALAJI VIDYAPEETH ABSTRACT
The present invention shall disclose a compact, portable, Hybrid Booster Device for Ultrasonic Scaler to facilitate high pressure water for scaling/cleaning process. The device comprises of an hallow housing [1]of predetermined shape, an air tank[2] provided with air inlet valve [3] and air out let valve [4], pressure control valve[5], pressure guage[6], booster switch[7], booster holder[8], booster bottle[9], and plurality of connection tubes. The air tank[2] with air out let valve [4] and pressure control valve[5] are housed inside the hallow housing [1]. The pressure guage[6], booster switch[7], booster holder[8], booster bottle[9] and the air inlet valve[3] of the air tank[2], are housed on the hallow housing [1]. The air tank[2] is connected with the pressure control valve[5], and the pressure guage [6] through air out let valve [4] by means of connection tubes for controlling pressure to optimal PSI, measuring and displaying pressure. The pressure control valve [5] is connected to the booster switch [7] and the booster bottle [9] by means of connection tubes in which compressed air from the air tank [2] enters into the booster bottle [9] comprising of partly filled water via the pressure controller valve [5]. The booster bottle [9] supported by means of booster holder [8] is connected to the Ultrasonic Scaler by means of connection tubes in which, when the booster switch [7] is activated, pressurized water is obtained in the ultrasonic scaler for scaling/cleaning process. The Hybrid Booster Device of the present invention is characterised in (i) avoiding gigantic electrical air compressor motor for filling air in air tank, (ii) light weight, portable & easy to carry of the device and (iii) functioning of the device without electricity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2018

(21) Application No.201841044000 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BAMBOO LEAF, TULSI LEAF AND CINNAMON FOR COSMETICS

(51) International classification	:A61K8/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Vijaykumar Selvam Address of Applicant :63/39, Nanayakkara street,
(32) Priority Date	:NA	Kumbakonam, Tamil Nadu, 612001, India Tamil Nadu India
(33) Name of priority country	:NA	2)A. Aishwarya 3)P. Karthik 4)P.Mathiazhagan 5)A.Nancy 6)R.Sreelakshmi 7)S.G.Saravana kumar 8)A.Alagu Karthikeyan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Vijaykumar Selvam 2)A. Aishwarya 3)P. Karthik 4)P.Mathiazhagan 5)A.Nancy 6)R.Sreelakshmi 7)S.G.Saravana kumar 8)A.Alagu Karthikeyan
(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 new composition includes combination of Bamboo leaves, Tulsi leaves and Cinnamon for cosmetics. The present invention completely takes the easily available ingredients for cosmetics especially for skin care products such as solid soap bars, liquid soaps, cream cleansers, moisturizer creams, balms, shampoos and other desired products. This composition is efficient for medical applications due to its therapeutic properties. This combination also takes advantage on artificial or synthetically prepared products by providing natural source and methods for extraction. It provides versatile and enhanced benefits on several consumables for body care which can be incorporated any production thereby providing scalability. The combination of these components substantially improves the quality for skin and health care.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2018

(21) Application No.201841044312 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTELLIGENT SHOPPING ASSISTANCE AND IN-STORE NAVIGATION USING AERIAL DRONES

(51) International classification	:G08G5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. J. Avanija Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Sree Vidyanikethan Engineering College, A. Rangampet, Chittoor, Andhra Pradesh - 517102 Andhra Pradesh India
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	2)Dr. Gurram Sunitha
Filing Date	:NA	3)Dr.K.Reddy Madhavi
(87) International Publication No	: NA	4)Dr. Naresh Babu Muppalaneni
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. J. Avanija
(62) Divisional to Application Number	:NA	2)Dr. Gurram Sunitha
Filing Date	:NA	3)Dr.K.Reddy Madhavi
		4)Dr. Naresh Babu Muppalaneni

(57) Abstract :

The present invention is the extension to the claims made in Indian Patent Application No. 201841026162 titled Intelligent Shopping Cart with Personalized Recommender System • . The present invention relates to the system that provides enhanced shopping experience to shoppers having handheld smart devices which may be either a mobile phone or tablet computer. This invention uses intelligent shopping cart labeled with QR code combined with RFID technology and aerial drone technology in association with smart device application. The shopper can download the smart device application on to his handheld smart device which can be used for personal account creation, shopping assistance, product search, receiving personalized recommendations & offers on products, online billing & payment, self checkout, requesting aerial drone assistance for in-store navigation and/or product delivery. The aerial drone is an unmanned aerial vehicle which shall be equipped with sensors and supported with vision-based methods to avoid collision with other drones, shoppers and other products. The aerial drone shall be also equipped with high- definition video recording module for capturing live surveillance video of the retail store to perform video analytics to support anti-theft system. The aerial drone shall also be equipped with wireless communication module for communication with smart device application and server/cloud. The aerial drone shall also be equipped with RFID reader module to read RFID product tags from a distance within the warehouse. Additionally, this invention has the capability to interface RFID technology with aerial drones through smart device application and server/cloud to generate shopper related intelligence, traffic related intelligence, retail store related intelligence and product related intelligence through video analytics in order to improve the retail store performance.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2018

(21) Application No.201841043684 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DESIGN OF TOOL GEOMETRY PROFILE FOR FRICTION STIR WELDING PROCESS

(51) International classification	:B23K20/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)Dr. NELLY RAVINDER REDDY

Address of Applicant :Flat No.407/B, Srinivasa Anadham Apartment, Huda Trade Center, Serilingampally, Hyderabad, India. Telangana India

(72)Name of Inventor :

1)Dr. NELLY RAVINDER REDDY

2)Dr. B.RAVINDER REDDY

3)APPALA NAGENDRA SRI ANURAG

4)Dr. AFROZ MEHAR

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a system and method for a friction stir welding tool probe. The system includes a shoulder coupled to a probe, whereby the probe further configured to extend outwardly from the shoulder for applying an external force in vertical to downward direction on spindle for friction stir welding between the work piece and the frictional stirring tool probe. The system further includes one or more vertical teeth™s and one or more horizontal slots placed along an outer portion of the probe with various diameters, whereby the probe further is configured to generate sufficient frictional heat at the merging faces of the work piece by means of the friction stir welding resulting in minimizing the flow thickness of plasticized material around the tool.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2018

(21) Application No.201841043733 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM FOR HYDROPONIC PLANT GROWTH

(51) International classification	:A01G31/02	(71) Name of Applicant : 1)Long Tunnel Farms Address of Applicant :2/193, Dr. B.P. Rajan Road, Uthandi, ECR, Dr. B.P. Rajan Road, Chennai, Tamil Nadu, India. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for hydroponic plant growth is disclosed. The system includes a semi-enclosed container, wherein the semi-enclosed container includes a floating sheet. The floating sheet includes a plurality of first openings, wherein the floating sheet is adapted to be placed on surface of nutrient solution. The semi-enclosed container also includes a plurality of containers. The plurality of containers includes a plurality of second openings. The plurality of containers is adapted to be received into the plurality of first openings of the floating sheet. The semi-enclosed container also includes a plurality of air stones, configured to be operatively coupled to an air pump. The plurality of air stones is configured to supply a pre-determined amount of air into the nutrient solution via the air pump. FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2018

(21) Application No.201841043867 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HEAT TRANSFER SYSTEM THROUGH PANELS

(51) International classification	:F25B21/02	(71) Name of Applicant : 1)V.PATTABHI Address of Applicant :1-3-183/40/70/4, Gandhi Nagar, Hyderabad-500080, Telangana, India. Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)V. PATTABHI
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 :

Exemplary embodiments of the present disclosure are directed towards a heat transfer system with a heating panel supplied with an electric current to generates the heat in the heating panel which heats up the cold air from the surroundings upon being in contact with it; reflectors positioned in front of the heating panel to maximize the transfer of hot air at a predetermined speed to fill the surroundings with warm air, and the a non-metallic board is attached to the heating panel.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2018

(21) Application No.201841043905 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : UNIDIRECTIONAL MANUFACTURING OF LUFFA FIBER REINFORCEMENT POLYMER MATRIX COMPOSITE THROUGH COMPRESSION CUM EXTRUDER DIE SET-UP FOR CYLINDRICAL PARTS

(51) International classification	:D04H1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr G Hemath Kumar
(32) Priority Date	:NA	Address of Applicant :Department of Mechanical Engineering,
(33) Name of priority country	:NA	Madanappalle Institute of Technology and Sciences, 14, Angalu,
(86) International Application No	:NA	Chittoor District, Andhra Pradesh India 517325 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	2)A Vasudeva Reddy
(61) Patent of Addition to Application Number	:NA	3)H Mohit
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)Dr G Hemath Kumar
Filing Date	:NA	2)A Vasudeva Reddy
		3)H Mohit

(57) Abstract :

There are lot of equipment and fabrication methods are available for producing cylindrical composite parts for high pressure fluid transmission pipes in numerous fields such as marine, oil and gas refineries, chemical industries and other industrial applications. These applications required parts with leak-proof, higher strength, lowest possible weight, less usage of labor force and corrosive resistive properties at the low cost. The methods or techniques including Pultrusion, Resin Transfer Molding (RTM), Filament Winding Machine (FWM), Autoclave Molding, compression molding, etc. But some are required high investment, some requires skilled operators, some techniques require automation and some are having complex design mechanisms for apparatus. In order to optimize these problems, a new apparatus with low cost and enhanced capabilities has been designed and developed for producing the cylindrical parts. In the present invention, the setup is designed in such a way that it can produce the required parts by simple manually operated facility. The setup designed to produce required parts by the combination compression and screwing of piston rod manually in the piston-cylinder arrangement. Thus we can avoid the usage of electrical, thermal, and other forms of expensive energies there by we can reduce the cost of the products. And also it can be operated only by one or two human workforce so in this way we can also reduce the labor charges.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2018

(21) Application No.201841043967 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METER TO METER, ANIMAL INTRUDER AND FIRE DETECTION INTIMATION SYSTEM FOR VILLAGES SURROUNDED BY THE

(51) International classification	:A01M29/00	(71) Name of Applicant : 1)SRI VENKATESHWARA COLLEGE OF ENGINEERING Address of Applicant :Sri Venkateshwara College of Engineering KIA Road Vidyanagar, Bengaluru. Karnataka, India, Pin code-562157 Karnataka India
(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	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Mukesh Kumar Singh
Filing Date	:NA	2)Nageswara Guptha M
(62) Divisional to Application Number	:NA	3)Sridhar N. K
Filing Date	:NA	4)Poornima G R

(57) Abstract :

ABSTRACT OF THE INVENTION: The deployed sensor network accessibility from far distance has increases day by day. If we consider a given village area surrounded by the forest; where deployment of sensor nodes will be near to the boundary line of forest (BLOF), then, it will be very beneficial if any animal intrusion and fire detection detected form sensor nodes can be accessed by the administrator at the far distance from BLOF in the form of meter to meter updates. The presented above application can be achieved by the Internet of Things (IoT) based layered wireless sensor network (IoT-BLWSN). The IoT-BLWSNs are also useful for restricted (hospital, industrial area, animal cage monitoring in zoo etc) and non restricted areas (college and school campus). Data transmission form layers to the cloud in the IoT-BLWSNs have been carried out in the recent years for heterogeneous as well as homogenous layered networks. In the heterogeneous layered networks, each sensor nodes within the layer will sense different events. In the proposed system model, we considered heterogeneous based layered sensor networks where, the processing of the data from sensors to the destination will be carried out wirelessly. At the destination end, the received data will be stored into the cloud with the help of Microcontroller Pi3(800). Further, based on the received location information a remotely controlled drone will be sent to the corresponding point from the administrator end in order to visualize the intruder. Also, meter to meter updates for animal intrusion and fire detection will provide a reliable protection layer to the villagers and crops.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2018

(21) Application No.201841043969 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THERMAL FACE RECOGNITION USING MULTI-RESOLUTION TRANSFORM FOR BIOMETRIC AUTHENTICATION

(51) International classification	:G06K9/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Chengathir selvi Murugesan
(32) Priority Date	:NA	Address of Applicant :Kamaraj College of Engineering and
(33) Name of priority country	:NA	Technolgy k. Vellakulam Madurai Tamil nadu, India Pin code-625701 Tamil Nadu India
(86) International Application No	:NA	2)Muneeswaran Karuppiah
Filing Date	:NA	3)PrathibaT
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Chengathir selvi Murugesan
Filing Date	:NA	2)Muneeswaran Karuppiah
(62) Divisional to Application Number	:NA	3)Prathiba T
Filing Date	:NA	

(57) Abstract :

ABSTARCT: Face recognition plays a tremendous role in the emerging needs for identification of individuals. Different applications of face recognition includes access control, identification systems and surveillance. A Gabor Descriptor based thermal face recognition for biometric authentication is proposed. In the proposed algorithm. Mid Wave Infrared (MWIR) face images are captured using IR sensing cameras. These captured images are based on the vasculature information of objects that vary from surroundings. Otsu threshold algorithm is used to segment MWIR face images. Gabor, a multi-resolution transform is used to extract facial features and these facial feature descriptors are used for face recognition. A publically available Terravic Facial IR database from OTCBVS Benchmark dataset Collection is used for experimental analysis, used. Different feature descriptors such as LBP, LPQ, HOG and four different classifiers such as Naive Bayes, Multi-Layer Perception, J48 and Random Forest are used for comparison with the proposed work. The novelty of the proposed work lies in the selection of combined features of applied to the random forest classifier yielding a promising result of 99.95% of accuracy.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2018

(21) Application No.201841043982 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LM6 ALUMINIUM ALLOY COPPER COATED STEEL FIBER REINFORCED METAL MATRIX COMPOSITES FOR AUTOMOTIVE PISTONS

(51) International classification	:B22D19/00	(71) Name of Applicant : 1)C SAMSON JEROLD SAMUEL Address of Applicant :Sri Krishna College of Engineering and Technology, Kuniamuthur, Coimbatore Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)C SAMSON JEROLD SAMUEL 2)A RAMESH
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 LM6 aluminium alloy copper coated steel fiber reinforced metal matrix composites for automotive pistons is provided LM6 aluminium alloy with 2.510 wt% of copper coated short steel fiber reinforced composites are prepared using squeeze casting process. Hardness, tensile strength and ductility are found to be increased with increase in fiber weight % Fracture and worn surface are examined. Tensile strength of composites increased up to 19% for 5 wt% fiber composites. Ductility decreased with addition of fibers into the matrix. Wt% of fibers decreased the weight loss, coefficient of friction and wear rate. Cumulative weight loss decreased compared to LM6 aluminium alloy. Worn surface of composites showed fine and smooth grooves due to ploughing. Copper coated steel fiber reinforcement in LM6 aluminium alloy exhibited better mechanical properties and wear resistance compared to LM6 aluminium alloy and can be considered for making automotive pistons because of its enhanced properties.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2018

(21) Application No.201841015125 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD FOR HYBRID VARIABLE LENGTH PARTIAL PULSE MODULATION

(51) International classification	:C01B 7/00	(71) Name of Applicant : 1)RDL Technologies Pvt. Ltd. Address of Applicant :5th Floor, Sahyadri Campus, Adyar, Mangalore 575007, Karnataka, India. Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method to transmit data is proposed. The method includes using a carrier frequency signal with an on time(Ton) for a cycle during which the signal is of a positive amplitude and an off time (Toff) for the cycle during which the signal is of zero or negative amplitude; and transmitting the data during the Toff, wherein the Toff can be varied to vary amount of the data transmitted in the cycle. The signal may be visible light, radio waves, or infrared waves and may be pulse width modulated (PWM) signal. The method enables multiple bits of data to be transmitted per cycle of the signal, and may enable the data transmission only when at least one byte of the data is transmitted in the Toff . The method may be combined with other modulation methods.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2017

(21) Application No.201741045226 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CANAGLIFLOZIN SUBSTANTIALLY FREE OF HYDROPEROXIDE IMPURITY

(51) International classification	:C07D333/16; C07D409/10	(71) Name of Applicant : 1)AUROBINDO PHARMA LTD Address of Applicant :AUROBINDO PHARMA LIMITED The Water Mark Building, 1st Floor, Plot No.11, Survey No.9, Kondapur, Hitech City, Hyderabad, Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)NAGARIMADUGU MAHESH
(87) International Publication No	: NA	2)MEENAKSHISUNDERAM SIVAKUMARAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT CANAGLIFLOZIN SUBSTANTIALLY FREE OF HYDROPEROXIDE IMPURITY The present invention relates to a process for the preparation of Canagliflozin which is substantially free of hydroperoxide impurity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/07/2017

(21) Application No.201741024300 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PNEUMATICALLY OPERATED ELECTRONIC MULTIPURPOSE SIMULATOR (POEMS)

(51) International classification	:H04N2201/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN AIR FORCE, Government of India
(32) Priority Date	:NA	Address of Applicant :2309 FLIGHT AIR FORCE, AIR
(33) Name of priority country	:NA	FORCE STATION THANJAVUR, PUDUKOTTAI MAIN
(86) International Application No	:NA	ROAD, THANJAVUR, TAMIL NADU, INDIA - 613 005. Tamil
Filing Date	:NA	Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)M. Jeyakumar
Filing Date	:NA	2)Narendra Kumar
(62) Divisional to Application Number	:NA	3)Kamlesh Prasad
Filing Date	:NA	4)Satya Pal Singh
		5)Atul Gupta
		6)Abhay Kumar Singh
		7)Rahul Shukla
		8)N. Ramachandran
		9)R. Kathiravan
		10)K. Amirtha Ganesh
		11)J Jeyandran
		12)L. Jayanthi
		13)R. Rakesh
		14)I. Karthic Subramaniyan
		15)J Kesavan
		16)C. Narmadha
		17)C Ramachandradurai
		18)L. Sarojini
		19)V. Hamsadhwani

(57) Abstract :

The present disclosure envisages a computer-implemented elector-pneumatic projectile launching training system (1000) for real-time simulation, which is easily reconfigurable for a variety of indoor and outdoor applications. The training system (1000) is configured for training at least one trainee by at least one instructor which can also be expanded to train three sets of trainees and instructors. The training system (1000) comprises of a computer-implemented simulation system employing electro-optical sensors (230) networked in wired and wireless means. This system employs scaled model of target mounted on an automated battery operated vehicle (260) and/or remotely controlled or real aerial simulated target system, a simulated projectile and a target, an electro-mechanically actuated motion simulator projectile launching mechanism (100), means for locking of the projectile inside the launching mechanism, a control unit, a trigger, a sensor, a repository 250 and a performance monitoring module (310). The trigger releases the pneumatic lock thereby letting the hydraulically compressed spring, launching the dummy projectile. The control unit (200) in combination with the performance monitoring and report generator module (310) is the nerve centre of the entire training system (1000), which is operable by one or more instructor(s) to generate any type of simulation or audio visual indications including emergencies associated with the simulated launching of projectile at the said target system (260) and store the results in the repository post processing by the performance monitoring and report generator (310). The array of networked optical tracking sensors (230) capture an image/video of the target and transmit it over the wireless trans-receiver (240) module to the display unit (220) of the said control unit (200) which in turn transfers it to the performance monitoring and report generator (310) for analysis and report generation. The repository 250 stores the image and the video. The crossover range trans-receiver (280) transmits the positional data of the target including the programmable aerial target (270), to the digital control unit (200) which is combined with the inputs of standalone and integrated optical tracking module (230) received via voice a wireless trans-receiver module (240). The Portable Indoor Training System (300) comprises of the Performance Monitoring and Report Generator Module (310) which is common to all the indoor and outdoor configurations, visor mounted display module (320) which can also be used in combination with motion simulator (100). The indoor display and audio visual components (330) and comparator and computing module (340) combine to impart indoor training based on the preloaded target parameters and the trainee™s action with the specially configured launching tube and launching mechanism. The multisource power supply unit (400) comprises of conventional and renewable energy sources wherein this module also comprises of phase convertor equipment also to cater for the need of 3-phase power supply for components of motion simulator (100). The voice communication module (600) is integrated with the digital control unit (200) to enable one-way point-to-point communication from instructor trainee. The Observer and Instructor Training Kit (700) are also part of the training system (1000) wherein the digital control unit and performance monitoring and report generator module (310) are used in conjunction with all types of target systems.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/10/2018

(21) Application No.201841037007 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUTOMATIC VEHICLE AIR CONDITIONER LOAD MANAGER SYSTEM AND METHOD

(51) International classification	:B60H1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VIT UNIVERSITY

Address of Applicant :VIT University Near Katapdi Road
Vellore Tamil Nadu India

(72)Name of Inventor :

1)K.GANESAN

2)A.RAMMOHAN

3)MATHIAZHAGAN C.E

4)GANESH K

(57) Abstract :

An automatic vehicle air conditioner load manager system and method for monitoring and sensing vehicle cranking and thereby manage the load to the vehicle air conditioner in order to optimize the battery load in the automobile/vehicle. A relay unit configured in between the air conditioner blower unit and the engine cranking unit in order to control the air conditioner unit based on the engine cranking status. A micro controller unit to continuously monitor the engine cranking status of the vehicle and track the status of the air conditioner blower unit (ON/OFF status) and control the status of the air conditioner automatically in order to optimize the load stress on battery unit while engine cranking.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2018

(21) Application No.201841015949 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NUTRACEUTICAL COMPOSITION CONTAINING SPECIAL BOVINE COLOSTRUM, ZINC CITRATE WITH ENRICHED GLYSOZYME-X FACTOR •

(51) International classification	:A61K 35/20	(71) Name of Applicant : 1)RAMALAKSHMI SRIDHAR Address of Applicant :RAMALAKSHMI SRIDHAR MALAYAPPAN ILLAM, PLOT.1, SIVAN NAGAR, IYYAPPANTHANGAL, CHENNAI-600 077. TAMILNADU, INDIA Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Nutraceutical Composition Containing Special Bovine Colostrum, Zinc Citrate With Enriched Glysozyme-X Factor • is indicated in the supportive treatment of Alcoholic liver disease and Immune mediated inflammatory disorders. The composition is suitable for direct human consumption by mouth, either in solid form as a powder or as a suspension of the extract, as a food additive or as a nutraceutical agent. It may be formulated as a nutraceutical agent to be included as an ingredient in beverages or as a drug in conjunction with permitted excipients.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2017

(21) Application No.201741043843 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : UNIVERSAL POTENTIATOR SPRAY AND POTENTIATING COMPOSITION

(51) International classification	:B65D47/34	(71) Name of Applicant :
(31) Priority Document No	:NA	1)DR. U. UMADEVI
(32) Priority Date	:NA	Address of Applicant :75/4, DURAIRAJAPURAM COLONY,
(33) Name of priority country	:NA	ANAIKARAIPATTI (POST), BODINAYAKANUR (TALUK),
(86) International Application No	:NA	THENI (DT) - 625513, TAMIL NADU Tamil Nadu India
Filing Date	:NA	2)DR. T. UMAKANTHAN
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. U. UMADEVI
Filing Date	:NA	2)DR. T. UMAKANTHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a multipurpose potentiator composition comprising: sodium carbonate monohydrate, sodium carbonate anhydrous, potassium nitrate, sodium chloride and water such that the potentiating composition is applied to alter physical or chemical properties or both of a substance on which the potentiating composition is applied. Also provided is a container for holding the composition.

Figure 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2017

(21) Application No.201741042164 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ELECTRICAL CONDUCTIVITY ENHANCEMENT OF LOW CONDUCTIVITY HYDROCARBON FUELS BY BIO-ADDITIVES

(51) International classification	:C10L 1/14	(71) Name of Applicant : 1)NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI Address of Applicant :National Institute of Technology Tiruchirappalli, Tiruchirappalli,Tamilnadu, India 620 015. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)Dr. S. P. Sivapirakasam 2)S.Nandakumar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

ELECTRICAL CONDUCTIVITY ENHANCEMENT OF LOW CONDUCTIVITY HYDROCARBON FUELS BY BIO-
ADDITIVES ABSTRACT The invention relates to the use leaf extract as Bio-additives to improve the conductivity of hydrocarbon
fuels having a low electrical conductivity. More particularly, the present invention relates to the use of polar compounds extracted
from papaya leaves as bio-additives to hydrocarbon fuels to improve their electrical conductivity by dissipating the built up static
charges. The invention particularly relates to the method of development of leaf extracts containing polar compounds with good
thermal stability, enhanced oxidation stability and high electrical conductivity of hydrocarbon fuel.

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2017

(21) Application No.201741042165 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL REACTION CHAMBER FOR COLLECTION OF DECOMPOSITION RESIDUES OF PYROTECHNIC COMPOSITIONS AND METHOD THEREOF

(51) International classification	:C06B 21/00	(71)Name of Applicant : 1)NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI Address of Applicant :National Institute of Technology Tiruchirappalli, Tiruchirappalli,Tamilnadu, chennai,India 620 015. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72)Name of Inventor : 1)Dr. S.P. Sivapirakasam 2)K. Harisivasri Phanindra
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

NOVEL REACTION CHAMBER FOR COLLECTION OF DECOMPOSITION RESIDUES OF PYROTECHNIC COMPOSITIONS AND METHOD THEREOF ABSTRACT The invention relates to the novel reaction chamber. More particularly, the present invention relates to the novel reaction chamber to collect residues after reaction of pyrotechnic compositions at different temperatures. The novel reaction chamber comprises of an enclosed cap [1], a chamber base [3], and a drain hole [4], the analyte or residue is loaded in the chamber and subjected to pyrotechnic reaction. The invention particularly relates to the method of using the reaction chamber for collection of decomposition residues of pyrotechnic compositions or non-decomposed residues of the reaction, at different temperatures and different stages. Figure 1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2017

(21) Application No.201741042166 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INDUSTRIAL HELMET FOR WELDING FUME EXPULSION AND METHOD THEREOF

(51) International classification	:A42B 3/00	(71)Name of Applicant : 1)NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI Address of Applicant :National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, India-620 015 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. S. P. Sivapirakasam 2)K. Harisivasri Phanindra 3)Vishnu.B.R
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

INDUSTRIAL HELMET FOR WELDING FUME EXPULSION AND METHOD THEREOF ABSTRACT The present invention relates to an industrial helmet for welding fumes expulsion and the method of welding fume expulsion. Additionally the present invention also relates to a cost effective method of expulsion of welding fumes during welding from welders breathing zone using the industrial helmet. The industrial helmet for welding fumes expulsion comprises of a flexible pipe/hose [2], an outer shell [3], a brim [4], a welding lens holder [6], a welding shield [7], one or more adjustable straps, zip ties [9], a mounting clip 10], an attachment slot [11], and an adjustable knob [12]. Advantageously the present invention relates to an industrial helmet for welding fume expulsion to reduce the occupational exposure of welders to welding fumes. Figure 1:

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/10/2018

(21) Application No.201841041192 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : POLYHERBAL GEL FORMULATION FOR MANAGEMENT OF TEETHING PROBLEMS

(51) International classification	:G06Q 10/00	(71)Name of Applicant : 1)DR. MUKTAI ABHAYDESHPANDE Address of Applicant :DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY, KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH'S KLE V.K. INSTITUTE OF DENTAL SCIENCES, NEHRU NAGAR, JNMC CAMPUS BELAGAVI KARNATAKA 590010 INDIA muktaideshpande96@gmail.com Karnataka India
(31) Priority Document No	:NA	2)DR.SHIVAYOGI M.HUGAR
(32) Priority Date	:NA	3)U.B BOLMAM
(33) Name of priority country	:NA	4)DR. MADHURA V. MUNDADA
(86) International Application No Filing Date	:NA	5)DR SANJAY K
(87) International Publication No	: NA	6)DR. SHWETA SHIVAYOGI HUGAR
(61) Patent of Addition to Application Number Filing Date	:NA	7)LAVANYA B. BHANDARI
(62) Divisional to Application Number Filing Date	:NA	8)DR. SANJANA SONETA
		(72)Name of Inventor : 1)DR. MUKTAI ABHAYDESHPANDE 2)DR.SHIVAYOGI M.HUGAR 3)U.B BOLMAM 4)DR. MADHURA V. MUNDADA 5)DR SANJAY K 6)DR. SHWETA SHIVAYOGI HUGAR 7)LAVANYA B. BHANDARI 8)DR. SANJANA SONETA

(57) Abstract :

The present invention relates to the development of polyherbal gel formulation with extracts of Azadira chiaindica-neem, Ocimumtenuiflorum-tulsi, Glycyrrhizaglabra-liquorice, Stevia rebaudiana-stevia, combination of Emblica officinal is, Terminalia bellirica and Terminalia chebula triphala and essential oils-Syzygiutmaromaticum-clove oil and Menthaspicata-spearmint oil for medical and dental applications. It specifically relates to the development of gel formulation against the S. mutans, P. gingivalis, Lactobacilli, E. fecalis, Candida albicans and P. intermedia and as pulpotomy agent, healing gel, for ulcer and extracted wound, pericoronitis, as a local drug delivery after conventional scaling and root planning. The invention also pertains to the development_of process.for-preparation-of-gel-formulation-withaqueousextracts for medical and dental applications. The polyherbal gel formulation of the present invention has beneficial effects in relieving teething problems faced by children and also can be used in treatment of oral diseases in children due to its antibacterial, anti-inflammatory, astringent, anti-fungal and healing properties. Aqueous extract of polyherbal gel has a significant inhibitory action against the various pathogens which indicates the presence of active compounds that can be incorporated into modern oral care systems for overcoming bacterial resistance with synthetic agents. We recommend that this developed gel is boon for managing oral diseases especially in children due to its multiple uses.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2018

(21) Application No.201841043989 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A MODULAR GEARLESS, POLY V-BELT DRIVEN COMMERCIAL WET GRINDER USING AN INTERMEDIATE STEPPED PULLEY

(51) International classification	:B24B47/12	(71) Name of Applicant : 1)P.KUMERESAN Address of Applicant :No: 05, 1st Cross, Thaneer Pandal Road, Peelamedu, COIMBATORE-641 004 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)P.KUMERESAN
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 modular, gearless, poly V-belt driven commercial wet grinder using an intermediate stepped pulley comprising of a drum assembly with base stone (J), roller stone assembly comprising roller holder (N), roller stone (O) and wiper plate (P) placed inside drum assembly. Roller stone (O) is in contact with base stone (J). Lock handle (S) is attached to shaft (R) and required pressure is applied to roller holder (N). Motor (B) is turned on, drive pulley (E) triggers intermediate stepped pulley (D) which rotates roller stone (O) by frictional force of base stone (J). Titling stand (V) is self-balanced, as the center of gravity lies below axis of tilting unit. Food particles placed inside basin (M) passes between roller stone (O) and base stone (J), wiper plate (P) directs grains to grinding region. Lock handle (S) is used for regulating the grinding process.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/11/2017

(21) Application No.201741041120 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : USING UNI-AXIAL-TESTING-PLATFORM TO DESIGN AND BUILD COPTERS FOR APPLICATIONS IN UATP ENVIRONMENT

(51) International classification	:B64C27/08; G05D1/08	(71) Name of Applicant : 1)CVR COLLEGE OF ENGINEERING (ECE DEPARTMENT) HYDERABAD Address of Applicant :VASTUNAGAR, MANGALPALLI (VILLAGE), IBRAHIMPATNAM(MANDAL), HYDERABAD, TELANGANA-501510. Telangana India 2)DR. PEDDI SUBRAHMANYAM
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)DR. PEDDI SUBRAHMANYAM 2)MS. BADDAM VIDYA REDDY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This patent describes the development of precision copter system dynamics. A point-to-point delivery system, which is quite challenging in terms of design and model development, was chosen to validate these findings. The preamble on which a generic copter application operates is largely based on dictating a pre-planned flight path to the copter and strategically programming the copter to follow it as accurately as possible. In order to achieve this objective, a systematic experimental campaign was conducted to not only identify the parameters that control the copter flight dynamics but also determine the variables that facilitate stability and accuracy of the flight motion. The first requirement in the testing process was to create a unique test platform for a generic copter application. This transitioned into the second requirement which is based on providing a conducive test environment which resulted in the development of a UATP environment. The third and the most significant aspect of the testing procedure was to ensure efficiency and accuracy of the copter in carrying out an application On top of the standardized testing procedures, several dedicated experimental campaigns were conducted to improve the precision thus ensuring a product that is viable in terms of design and productivity. This pointed investigations resulted in the modifications and development of (a) Copter Launching Pad type of UATP (b) UATP environment, and, (c) a unique but robust procedure known as PMCC that blends the marked way points along the flight track. One of the major learnings from these experimental investigation was the improvement of accuracy by a two pronged approach. The first approach involved the discretization of the flight path into number of segments to ensure stability of the copter in the event of an external disturbance affecting the flight path. The second approach was to graduate from a regular GPS mount to a Real Time Kinematics (RTK) GPS module which helped in improving the accuracy to a few centimeters (which is important when dealing with P2P delivery systems). Results show the effectiveness of the developed system and with a fair degree of accuracy the author ascertains its superiority over traditional and existing methods.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/11/2017

(21) Application No.201741040290 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GAS LEAK DETECTOR, ARRESTOR AND METHODS THEREOF

(51) International classification	:F24C 3/12	(71) Name of Applicant : 1)DIGAS PRIVATE LIMITED Address of Applicant :IIT Madras Research Park, Kanagam Road, Tharamani, Chennai-600113 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT GAS LEAK DETECTOR, ARRESTOR AND METHODS THEREOF The invention comprises of a temperature sensor and a stove knob mounted on a spring loaded wheel. Temperature sensor is placed touching the burner of the gas stove (or in proximity to the burner). It senses the variation of burnerTMs temperature and whenever the temperature falls below a particular threshold, it activates the actuation mechanism to release the spring loaded wheel. Once released, the spring loaded wheel rotates back taking along the stove knob to OFF • position resulting in the shut-off of the gas supply to the burner. Most Illustrative Figure: Fig.1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2017

(21) Application No.201741040353 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EASY CLEAN AND AUTO WASH OF ALL TANKS

(51) International classification	:B63B 57/02	(71) Name of Applicant : 1)Vedula Seeta Ramachandra Murty Address of Applicant :7-54/ 11 /B, Bala Saraswathi Nagar, Malkajgiri, Hyderabad, Telangana, India, Pin Code-500 047.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Vedula Seeta Ramachandra Murty
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 :

Easy Clean and Auto wash of all Tanks :- Either they are over head water tanks, under-ground Water tanks, loft Tanks or industrial Tanks which are in the market and in use, they are required to clean them periodically to remove the accumulated dirt or dust at bottom, otherwise causes unhealthy if used.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/07/2018

(21) Application No.201841028851 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CARD SECURITY SYSTEM AND METHOD THEREOF

(51) International classification	:G06Q 20/00	(71) Name of Applicant : 1)Deepak N Choodappanavar Address of Applicant :#405, Aikya • , S N Blossoms, BBMP No. 1221, Sy. No. 37/1, Poojari Gardens, Channasandra, Uttarahalli- Kengeri Road, Near Srinivaspura Cross, Rajarajeshwarinagar, Bangalore 560 098, India. Karnataka India 2)Ashwini D Choodappanavar
(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	(72) Name of Inventor : 1)Deepak N Choodappanavar 2)Ashwini D Choodappanavar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT The invention discloses a system and a method of enhancing security of transaction cards with the use of smart wallet and smartphone. Physical wallets disposed with electrical connecting pins are used to send a trigger warning to smart phones that a card has been taken out from a card slot. The system is configured to block the card temporarily upon breaching the security of the transaction. The transaction is considered authorized and authenticated if the transaction is carried out through a terminal included in a list of authorized terminals pre-configured in the processing unit within a threshold time such that the terminal is within a threshold vicinity of the smart device, considering the smart device and the smart wallet are within communicable distance, otherwise the security of the card transaction is considered to be breached.

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/10/2018

(21) Application No.201841037173 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLAR PV PANELS ASSEMBLED AS A RACEWAY POND FOR GENERATING ELECTRIC POWER AND CULTIVATING ALGAE

(51) International classification	:G06Q 10/00	(71) Name of Applicant : 1)VELLORE INSTITUTE OF TECHNOLOGY Address of Applicant :KATPADI, VELLORE-641005. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)NATARAJAN RAMAKRISHNA
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 assembly for generating electric power using one or more solar panels 102A-N and cultivation of algae over the one or more solar panels 102A-N is provided. The assembly includes a first container 104, a raceway pond and a second container 106. The first container 104 stores water-based solution with algae seeds or liquid in a form of an aqueous solution. The raceway pond includes the one or more solar panels 102A-N that are arranged in series to absorb the photons from solar source. The raceway pond is obtained by attaching an aluminum wall on both side of each solar panel. The raceway pond enables to flow the water-based solution including required manures to support algae growth and transmit photons along with algae seeds or the liquid in the form of the aqueous solution and grow the algae by the absorbed photons and injecting air containing oxygen.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201841030442 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RAMBA WEARABLE PNEUMATIC LEG COMPRESSION DEVICE

(51) International classification	:A61F5/01; A61H9/00	(71) Name of Applicant : 1)SRI BALAJI VIDYAPEETH Address of Applicant : KASTURBA GANDHI NURSING COLLEGE, SRI BALAJI VIDYAPEETH, PILLAIYARKUPPAM, PUDUCHERRY, INDIA, 607402. Pondicherry India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)BAMALAKSHMI
(61) Patent of Addition to Application Number	:NA	2)DR. RENUKA. K
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention shall disclose a portable, light weight, cost effective, wearable pneumatic leg compression device - RAMBA which does not demand restriction to bed, for a subject to treat/prevent occurrence of Deep Vein Thrombosis. The RAMBA device comprises of an inner cover and outer assembly. The inner cover comprises of a flexible inflatable and deflatable air bag housed inside a cuff which is adapted to encircle calf muscle of the subject in which the air bag comprises of only one compartment for compression and relaxation. The outer assembly is housed with a compressor motor, solenoid valve, circuit board with software, pressure sensor and battery along with LCD display and switch button having on/off provision disposed on the surface of the outer assembly in which the compressor motor and solenoid valve digitally inflate and deflate the air bag through input and output valves to produce compression and relaxation effects. The circuit board with software controls and fixes timing duration for compression and relaxation and number of cycles per minute. The pressure sensor controls pressure duration in cycle to produce desirable effects. The battery is adapted to power the circuit board with software, which in turn to the compressor motor, solenoid valve, and the pressure sensor thereby automatically compression and relaxation will occur as per preset time, cycle & pressure. The LCD displays the compression and relaxation intervals in fixed time duration. The switch button having on/off provision electrically connects the battery to activate and deactivate the RAMBA device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201841030578 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYNTHESIS OF 3-SUBSTITUTED BENZYLIDENE-1,2-DIPHENYL-4-(2-PHENYLHYDRAZONO)AZETIDINE

(51) International classification	:A61K31/4245; C07D271/06	(71) Name of Applicant : 1)THEIVENDREN PANNEERSELVAM Address of Applicant :23/57 Pillayar Koil Street, Kuppinayakan Patti, Bodinayakanur-625 513 Theni District, Tamilnadu, India Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)Dr. THEIVENDREN PANNEERSELVAM 2)Mr. ANAND RAMASAMY 3)Dr. SINGARAM KATHIRVEL 4)Dr. JOSHI SHRINIVAS D
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present application relates to a novel series of 3-substituted benzylidene-1,2-diphenyl-4-(2-phenylhydrazono)azetidine and pharmaceutically acceptable salts thereof, and further relates to a method of using such compounds, and process of preparing such compound.

No. of Pages : 32 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2018

(21) Application No.201841044319 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FORMULATION AND EVALUTION OF ORAL ANTI HELMENTHIC SYRUP

(51) International classification	:A61K31/4706	(71) Name of Applicant : 1)VUTUKURI.SWATHI Address of Applicant :ASSISTANT PROFESSOR , Department of Pharmacology , Nirmala College of Pharmacy, Atmakuru, Mangalagiri, Guntur - 522503 , AP, India Andhra Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)VUTUKURI.SWATHI 2)S.KAMESWAR RAO 3)A.Yuva Sri Sai 4)P.Divya jyothi 5)B.SILVYA GRACE 6)CH.SUPRIYA 7)DR.D.SUBBA REDDY 8)VALLURI.VANI 9)BEJJAM.PRIYANKA
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 :

Helminthic are the drugs that are widely used for all age groups and mainly children. There are a number of chemical drugs which possess antihelminthic activity which are available at low cost . Any chemical drug ends with at least few side effects. Inorder to overcome those side effects we planned to prepare a herbal formulation with equal potency to standard drug. To make the effect more efficient we have taken combination of extracts for antihelminthic activity. The extracts are prepared as syrup and checked for activity. The prepared formulation was found to be potent and was stable according to the norms.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2018

(21) Application No.201841044346 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A HYDRATION TRACKER SYSTEM

(51) International classification	:A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) MALLA REDDY ENGINEERING COLLEGE
(32) Priority Date	:NA	(AUTONOMOUS), DEPARTMENT OF ELECTRICAL AND
(33) Name of priority country	:NA	ELECTRONICS ENGINEERING
(86) International Application No	:NA	Address of Applicant :MAISAMMAGUDA, DHULAPALLY
Filing Date	:NA	POST VIA KOMPALLY, SECUNDERABAD - 500100,
(87) International Publication No	: NA	TELANGANA, INDIA. Telangana India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1) Dr. N. RAJESWARAN
(62) Divisional to Application Number	:NA	2) Dr. M. MAHESWARI
Filing Date	:NA	3) Dr. S. ARUMUGAM
		4) Mr. T. SANJEEVA RAO
		5) Mr. P. KAMALAKAR
		6) Mr. CH. NARENDRA KUMAR
		7) Ms. S. BHARATHI
		8) Ms. S. SUNANDA
		9) Ms. K. ANITHA REDDY
		10) Mr.K. RAMESH

(57) Abstract :

The present invention provides a system for reminding a user for drinking water, said system comprising: a flask for storing water; a hydration tracker; wherein said hydration tracker tracks the hydration level of user and connects to the flask, as and when the hydration level goes below a threshold level. Furthermore, the flask is modified to have an upper water storage part and a lower printer part, wherein the lower printer part acts as a portable printer comprising a cartridge, a paper roll and a battery.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2018

(21) Application No.201831029967 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR WASTE MANAGEMENT UTILIZING A SMART DUSTBIN

(51) International classification

:B65F1/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)KHAN, Sahil

Address of Applicant :Alipur, PO: , PS : Baruipur, District : South 24 Parganas, West Bengal, India 743372

2)DAS, Sourin

3)GHOSH, Santanu

4)LASKAR, Faruk, Ahamed

(72)Name of Inventor :

1)KHAN, Sahil

2)DAS, Sourin

3)GHOSH, Santanu

4)LASKAR, Faruk, Ahamed

(57) Abstract :

The present invention discloses a system and method of waste management by utilizing a smart dustbin, wherein the smart dustbin automatically classifies and processes waste by applying recycling, reuse and reduce treatment to the waste. The smart dustbin comprises of a plurality of slots (4, 8, 9, 11) for storing waste, wherein each slot stores a particular type of waste; at least one common slot for receiving waste from a user, wherein the common slot is operably coupled to a mechanical means (6) for transferring the waste to the plurality of slots based on the type of waste detected. a plurality of detecting means (34, 36) for identifying a type of waste received in the common slot (14). The smart dustbin further comprises of an air vacuum pipe outlet (28) for creating vacuum inside the slot (11) storing non-biodegradable waste; an electric heater (16) for providing heat to the waste inside the slots (9, 11), wherein the heat provided to biodegradable storage slot (9) aids in composting and shrinking down non-biodegradable waste thereby reducing waste volume. A sprayer (42) inside the slot (8) storing biological waste is also provided for spraying medicine so as to prevent spreading of virus and/or bacteria.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/10/2018

(21) Application No.201831041320 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : UNDERGARMENT FOR MALE AND A PROCESS FOR MANUFACTURING THE SAME

(51) International classification	:A41B9/00	(71) Name of Applicant : 1)BAJRANG LAL AGRAWAL Address of Applicant :M/S. BALAJI AUTO, MELCHHAMUNDA, BARGARH, ODISHA India 768035
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)BAJRANG LAL AGRAWAL
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 discloses men's undergarment having relaxed and physically comforting genital placement of the wearer comprising a front face and a rear face connected to one another defining a top waistline opening and a lower pair of leg openings with a crotch region therebetween. The crotch region including a first cooperative downwardly extending men's genital supporting pocket member contiguous to said front face with a second cooperatively extending bridging member connecting said genital supporting pocket member contiguous to the front face with the rear face of the undergarment to thereby provide for a comfortable and safe supporting of male genital during wear as well as the undergarment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/10/2018

(21) Application No.201831038949 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AN APPARATUS FOR SEPERATING SOLID AND LIQUID

(51) International classification	:B01D21/00	(71) Name of Applicant : 1)National Institute of Technology Patna Address of Applicant :Ashok Rajpath, Patna-800005(Bihar)
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	India Bihar India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Prof. Om Prakash
(87) International Publication No	: NA	2)Sujeet Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for separating the liquid and solid from a mixture containing a liquid and solid includes a first and second belt assemblies mounted an base frame with inclined top plane. Both the belt assemblies are mounted on the frame parallelly to create a pressure zone between the belts, passage of the mixture through the pressure zone, the liquids gets separated from the solids by the compressive pressure created by the simultaneous movement of the belt assemblies in opposite directions. The rotation of the belt assembly is by manual force by an handle through the gear system connected between the belt assemblies.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/06/2018

(21) Application No.201831021570 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOBILE TOILET FOR USE IN FLOOD-HIT AREAS

(51) International classification	:B60R15/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)Dr. Sudip Dey

Address of Applicant :47/2 Purbachal Road (North), P.O.-
Haltu, Kolkata -700078, West Bengal, India

2)Arnab Jyoti Sharma

3)Abhinava Sharmah

4)Abhishek Deb

5)Dr Badal Kumar Laskar

(72)Name of Inventor :

1)Dr. Sudip Dey

2)Arnab Jyoti Sharma

3)Abhinava Sharmah

4)Abhishek Deb

5)Dr Badal Kumar Laskar

(57) Abstract :

The present invention provides a unique design is a mobile toilet constructed on boat. The boat can be manually ferried from place to place depending upon the populace structure of a place. To achieve stability of the boat on fast moving flood water and for fast maneuverability, a Deep V Bottom shaped hull has been chosen with proper dimensions. A single entity of the design consists of two toilets placed on a boat. The waste gets collected in a barge-shaped tank. The tank is connected to the port side of the boat with the help of steel hooks. The present invention provides for a urine segregation system from solid waste (faecal matter) aimed for safe disposal processes. The design consists of two separate structures in the toilet pan for separate passage of urine and faecal matter into separate collectors.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201831024096 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING ASSISTANCE TO ONE OR MORE CANDIDATES APPLYING FOR JOB

(51) International classification	:G06F15/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Reeta Prasad
(32) Priority Date	:NA	Address of Applicant :C/o Mr. Amritanshu Prasad, 183/C, Ashok Nagar, Road No 4, Ranchi , Jharkhand - 834002 India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)Reeta Prasad
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 discloses a method and system for providing assistance to one or more candidates applying for a job. The method includes receiving one or more requests from one or more users and processing the one or more received requests to profile the one or more users based on one or more requests received. The method also includes identifying one or more counsellors for one or more profiled users based on the one or more received requests. The method also includes enabling the one or more users to select the identified one or more counsellors for assistance. The method also includes enabling the selected counsellors to provide assistance to the one or more users in an online and offline environment in form of theoria or praxis or poesis or combination thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2018

(21) Application No.201831025127 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A WEARABLE DEVICE FOR BODY FLUID DISCHARGE

(51) International classification	:A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Subir Ganguly
(32) Priority Date	:NA	Address of Applicant :UTTAR NATAGARH (CANAL SIDE)
(33) Name of priority country	:NA	P.O PANSILA, 24 PGS(N), KOLKATA-700112 West Bengal
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Subir Ganguly
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a multipurpose wearable device for body fluid discharge and its method of operation that is suited across all age group and gender. Also the device is reusable, well ventilated, non-invasive, and antimicrobial with a washing provision. The wearable device for body fluid discharges comprises of a belt to be worn around the waist of the wearer; a receptacle connected to the belt with plurality of suspension strap of adjustable length, storage member, a exit pipe, a funnel attached to the receptacle for receiving water and for ventilation. Also, a pressure bellow may be attached to the receptacle to pump in air into the receptacle for drying the interior after washing off feces from the receptacle in case of dysentery.

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

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.201711018190 A

(19) INDIA

(22) Date of filing of Application :24/05/2017

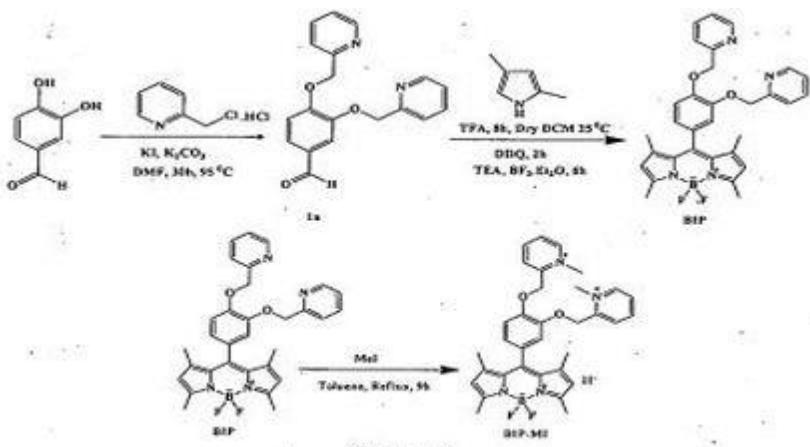
(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL BORONDIPYRROMETHENE FLUOROCHROMES TAILORED WITH PHENOXYMETHYL PYRIDINE AND APPLICATION THEREOF

(51) International classification	:C07C27/06	(71) Name of Applicant :
(31) Priority Document No	:NA	1) COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI MARG NEW DELHI-110001 INDIA Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1) SURYA PRAKASH SINGH
Filing Date	:NA	2) THUMUGANTI GAYATHRI
(87) International Publication No	: NA	3) SRIGIRIDHAR KOTAMRAJU
(61) Patent of Addition to Application Number	:NA	4) SANTOSH KARNEWAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to design and synthesis of dyes having BODIPY core for tracking mitochondria. We have disclosed six novel Borondipyrromethene fluorochromes. tailored with phenoxymethylpyridine, among six, three derivatives showed excellent solubility in water apart from organic solvents. Mild reaction conditions were adapted to prepare the targeted derivatives. These dyes have great potential as mitotrackers and costs lesser than those of commercial ones.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711018280 A

(19) INDIA

(22) Date of filing of Application :24/05/2017

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRODUCTION ENHANCEMENT APPARATUS FOR A SUCKER ROD PUMP

(51) International classification	:F16D65/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Oil and Natural Gas Corporation Limited

Address of Applicant :Pandit Deendayal Upadhyaya Urja Bhawan, 5, Nelson Mandela Marg, Vasant Kunj, New Delhi 110070, India Delhi India

(72)Name of Inventor :

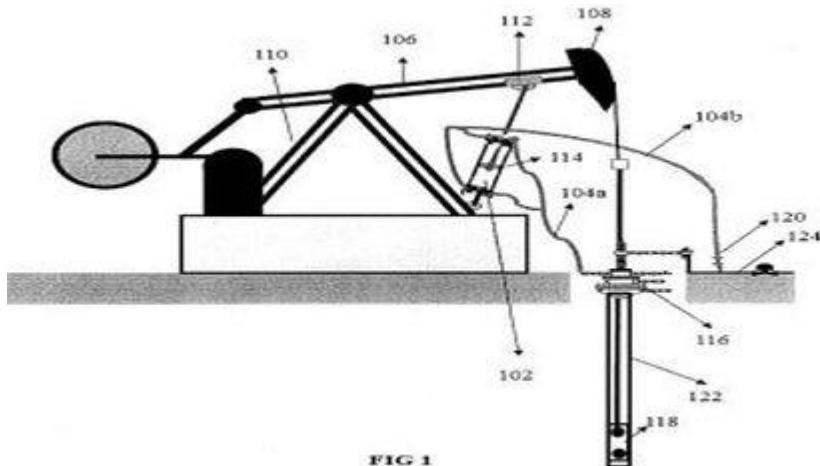
1)Dr. Kambal Ram Mohan Rao

2)Vinod Vithalrao Manchalwar

3)Sagun Devshali

(57) Abstract :

A production enhancement apparatus 200 for a sucker rod pump is disclosed. The apparatus 200 comprises a cylinder 202 configured to receive gas from annulus of the wellbore. A flowline is dedicated to the annulus of the wellbore. The cylinder 202 receives suction from the annulus of the wellbore and transfers any built-up pressure to the dedicated flowline, thereby reducing the built-up pressure of the annulus of the wellbore and enhancing production of the oil being pumped out by the sucker rod pump.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201711018290 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GAMMA RADIATION SHIELDING MATERIAL AND ITS PREPARATION THEREOF

(51) International classification	:G21C 11/00	(71)Name of Applicant : 1)CHAIRMAN, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION Address of Applicant :Ministry of Defence, Govt of India, Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi-110011 (India) Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MANDAL, Subhash
(61) Patent of Addition to Application Number	:NA	2)ROY, Debmalya
Filing Date	:NA	3)ROY, Shyamal
(62) Divisional to Application Number	:NA	4)MUKHOPADHYAY, Kingsuk
Filing Date	:NA	5)PRASAD, N. ESWARA

(57) Abstract :

The present disclosure relates to a gamma radiation shielding material of formula I, CaAg₃Ti₄O₁₂. The present disclosure also relates a process of producing the gamma radiation shielding material, comprising: mixing calcium carbonate, silver nitrate and titanium dioxide and calcinating. The material have high gamma radiation shielding property.

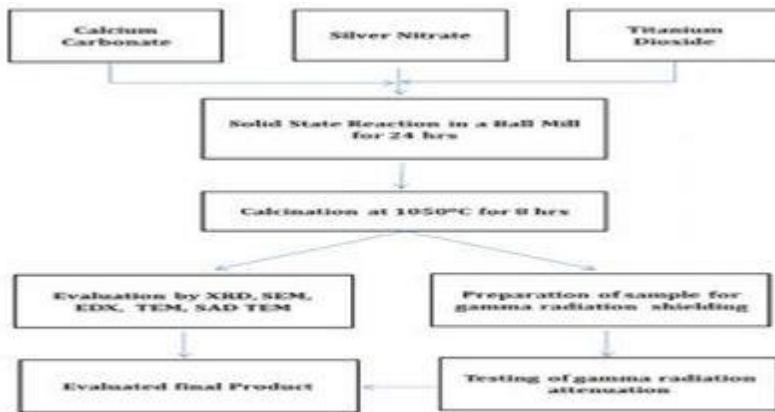


Figure 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201711018357 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PLASTIC TABLE TOP FOR SEWING MACHINE

(51) International classification	:D05B75/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Creative Hitech Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :S-10, DSIDC Industrial Complex,
(33) Name of priority country	:NA	Rohtak Road, Nangloi, New Delhi-110041. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAVINDER AGGARWAL
(87) International Publication No	: NA	2)NOORA KANDEL
(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 table top for sewing machines which is formed of recycled plastic .The sewing machine table top is in the form of a plate with the aperture for the sewing machine where the table top is placed on a frame. Characterized in that bottom surface of the table top comprises grooves for attaching wooden block so that the table frames of different sizes can be fixed or screwed easily. Steel rods/plate are installed on the lower surface of the table top to provide strength and to act as a spinal cord for the table top. The present invention is Environment friendly, as it discourages use of wood. Also, helps in reducing plastic waste from the environment, as this product is made by recycling plastic waste.

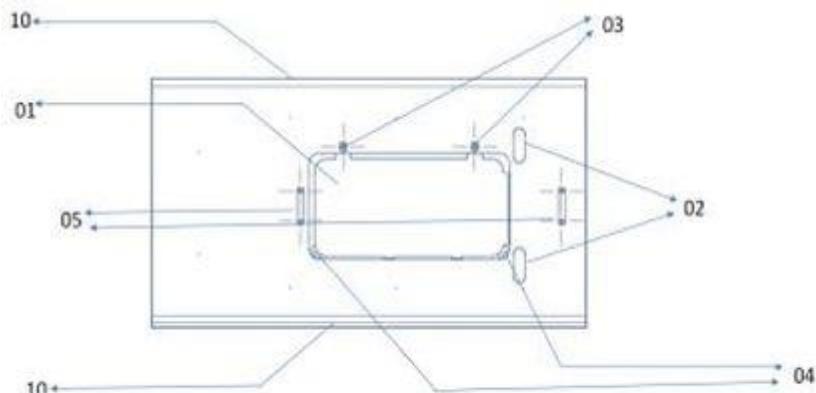


FIGURE 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201711018361 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PROCESS FOR PRODUCTION OF HIGHLY METALLISED DIRECTLY REDUCED IRON CYLINDERS (DRI-C) FROM LEAN GRADE RAW MATERIALS

(51) International classification	:C22B1/245	(71) Name of Applicant : 1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI MARG NEW DELHI-110001 INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a process for production of highly metallised Directly Reduced Iron Cylinders (DRI-C) from lean grade raw materials. The lean grade raw materials are waste iron ore fines and lean grade coking or non-coking coal fines. As received lean grade iron ore fines having size in the range of-200 mesh to 8 mm were fed in to a specially designed container to obtain preformed iron ore hollow cylinders by gentle pressing. Non coking coal fines having size in the range of-200 mesh to 5 mm were used as a reductant. Coal fines were premixed with the desulphurizing agent to avoid any sulphur pick up from coal to the preformed iron ore hollow cylinders during reduction. Reduction of preformed iron ore hollow cylinders were carried out between 4 to 6 kg scales with non coking coal. Reduction kinetics of preformed iron ore cylinders were studied in the temperature range of 1000°C to 1300°C for 60 to 300 minutes to obtain highly metalized DRI cylinders in a laboratory scale furnace. After reduction, DRI cylinders were separated from residue of premixed non coking coal and desulphurizing agent. The advantage of this invention is that it utilizes lean grade mines waste, iron and steel plant wastes and lean grade coking and non coking coal for converting it in to a value added DRI-C. This DRI-C can be used as a substitute of scarp for melting in Induction Furnace, basic oxygen furnace (BOF) and electric arc furnace (EAF) for production of steel.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201711018400 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR RECOVERY OF METAL VALUES FROM INDUSTRIAL WASTE

(51) International classification	:C21B13/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HINDUSTAN ZINC LIMITED

Address of Applicant :Yashad Bhawan, Udaipur, Rajasthan-313004, India. Rajasthan India

(72)Name of Inventor :

1)ASHISH KUMAR

2)SHEEBA MASHRUWALA

3)KIRAN KUMAR ROKKAM

4)SUNDAR SARAN SOMBHATLA

5)AKHILESH SHUKLA

(57) Abstract :

The present disclosure provides a method for recovery of metal values from industrial waste. The method includes a step of leaching the industrial waste under a pre-defined acid leaching condition to obtain an acid leached product. An acid leached filtrate is separated from the acid leached product and a remaining acid leached residue is further subjected to leaching under an alkaline condition for recovery of metal values. Further, the method includes a step of reducing the acid leached filtrate by utilizing lead concentrate to obtain a reduced product. Furthermore, the method includes a step of treating the ferric reduced filtrate with zinc concentrate to reduce acidity. In addition, the method includes a step of crystallizing an acidic reduced filtrate separated from the acidic reduced product. The crystallization is performed to obtain a plurality of divalent iron compound crystals. TO BE PUBLISHED WITH FIGURE 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201711018534 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SPIN-ON TYPE OIL FILTER WITH INTEGRATED MOUNTING HOLLOW CYLINDRICAL SHAFT

(51) International classification	:F01K15/00	(71) Name of Applicant : 1)MARUTI SUZUKI INDIA LIMITED Address of Applicant :1 Nelson Mandela Road, Vasant Kunj, New Delhi-110070 , India. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SINGH, HARPREET
(87) International Publication No	: NA	2)TANDON, ARPIT
(61) Patent of Addition to Application Number	:NA	3)GUPTA, ASHISH
Filing Date	:NA	4)BHARTI KANT ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The subject matter disclosed herein relates to a spin-on type oil filter (400) having arrangement for mounting and un-mounting from vehicle engine/stationary engine. The spin-on type oil filter (400) includes an elongated cylindrical housing (401) having closed bottom portion (401a) Further, a base plate (402) is provided on the top portion of the elongated cylindrical housing (401). The base plate (402) has an integrated hollow cylindrical shaft (404) along with central axis of spin-on type oil filter (400) for passage of filtered oil. To be published with Fig. 4



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201711018552 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AN ADSORBENT MATERIAL USEFUL FOR INSTANT FLUORIDE REMOVAL AND A PROCESS TO PRODUCE DRINKING WATER WITH LESS THAN 1.5 PPM FLUORIDE

(51) International classification

:C07D237/16

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

Application of an inorganic adsorbent material based on bivalent and trivalent metal complex for fluoride removal from water and methods for making the same are disclosed. The composition of mixed metal complex may comprise of different phases in the form of anions/functional groups of hydroxide, oxy hydroxide, carbonates, sulphates, etc of bivalent and trivalent metals and promoted by deposition of nanoparticles and/or incorporation of other elements/ions/groups. The adsorbent material is prepared from the sparingly soluble material of at least one bivalent metals such as calcium, magnesium, etc and soluble salts of one or more trivalent metals like iron, aluminium etc. . Dehydration of the precipitate of the mixed metal complex results in the formation of an adsorbent material which is characterized by instant fluoride uptake property in the range of > 1.5- 10 ppm with about 80 to 95% fluoride removal within a contact period of 2 to 10 minutes producing treated water having less than 1.5 ppm fluoride along with the scope of treatment of water containing up to 40 ppm fluoride , demonstrating a substantially faster rate of fluoride removal, than the hitherto known adsorbents.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201711018610 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GRAB HANDLE ASSEMBLY FOR AN AUTOMOTIVE VEHICLE

(51) International classification	:B60N3/02	(71) Name of Applicant : 1)RENAULT S.A.S Address of Applicant :13-15 Qui Alphonse Le Gallo, 92100 Boulogne Billancourt, France France
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)CHAKARAVARTHI Nirmal
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This grab handle assembly (2) for an automotive vehicle comprises a main handle part (4) and at least one attachment means (20), said main handle part (4) being intended for being secured by means of said attachment means (20) to a wall of the vehicle, said grab handle assembly (2) including a light source arranged so as to light at least partially the environment of the grab handle assembly (2). It further includes a cylindrical part (6) able to rotate about its own axis (Δ) with respect to the main handle part (4), the rotation of the cylindrical part (6) about its own axis (Δ) permitting the light emission by the light source to be controlled. Reference: Figure 3



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2017

(21) Application No.201711017814 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ONLINE ADVERTISING SIMULATION TOOL

(51) International classification	:G06Q 30/00	(71) Name of Applicant : 1)Whiskers Marketing Pvt. Ltd Address of Applicant :C-505, Unitech Business Zone, Nirvana Country, Sector 49-50, Gurgaon. 122018 INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Neha Verma
(87) International Publication No	: NA	2)Pooja Verma
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a computer implemented method which provides an auction based online advertising platform for training digital marketers. The digital marketers can be advertisers, business agencies, students, etc. The method allows the digital marketers to create ads and manage and optimise their online campaigns. Further, the method measures the quality of campaign by enabling the auction between peer groups thereby providing learning and gaining experience in real-time. This saves a lot of time and money for the digital marketers while advertising in real-time.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2017

(21) Application No.201711017920 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PROVIDING NOTIFICATIONS USING ICONS ON A COMPUTING DEVICE AND COMPUTING DEVICE THEREOF

(51) International classification	:G06F	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)BANSAL, Rohit
(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 method for providing at least one notification using an icon on a computing device. In one embodiment, the method comprises receiving at least one notification from at least one application available on the computing device, said at least one notification corresponding to at least one contact; determining said at least one contact is associated with at least one group on the computing device; retrieving at least one group icon associated with the at least one group; and creating at least one modified icon based on the at least one group icon and at least one application icon associated with the at least one application, such that the at least one modified icon is indicative of reception of the at least one notification from the at least one contact.



No. of Pages : 35 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2017

(21) Application No.201711017936 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SEAL FOR A BEARING

(51) International classification	:F16C32/06	(71) Name of Applicant : 1)NATIONAL ENGINEERING INDUSTRIES LTD. Address of Applicant :Khatipura Road, Jaipur Rajasthan India 302006 Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)JAIN, Pankaj
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to the field of seal in bearings. A seal (100) of the present disclosure is disposed between an inner ring (104) and an outer ring (106) of a bearing (102). The seal (100) comprises a sealing body (108), a first sealing lip (116), a second sealing lip (114), a third sealing lip (112), and a fourth sealing lip (110). The sealing body (108) adheres with the outer ring (106). The first sealing lip (116) prevents leakage of lubricants therethrough. The second sealing lip (114) prevents ingress of foreign particles and egress of lubricant flow. The third sealing lip (112) prevents lubricant flow towards the fourth sealing lip (110). The fourth sealing lip (110) prevents ingress of foreign particles towards the second sealing lip (114) and the third sealing lip (112).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2017

(21) Application No.201711017969 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ROSEHIP CHEWABLE TABLETS

(51) International classification	:A61K36/00	(71) Name of Applicant : 1)GIRNISH KHETARPAL Address of Applicant :804/28, SUBHASH NAGAR, ROHTAK (HARYANA) INDIA PINCODE 124001 Haryana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a Chewable tablet comprising Rosehip extract, at least three different types of mineral, and at least two different types of vitamins. The chewable tablet includes the following active compounds Rosehip extract, Calcium salt (Calcium citrate), Zinc salt (Zinc oxide), Magnesium salt (Magnesium oxide), Vitamin D3 and Vitamin K2.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201711017988 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVED ANTIBIOTIC COMPOSITION FOR TREATMENT OF INFECTIONS CAUSED BY STAPHYLOCOCCUS AUREUS

(51) International classification	:A61P	(71) Name of Applicant :
(31) Priority Document No	:NA	1)SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES
(32) Priority Date	:NA	Address of Applicant :Post Office Box No. 9, Head Post Office, The mall, Solan-173212, Himachal Pradesh, INDIA
(33) Name of priority country	:NA	Landline Ph. No.: 01792-308000 Email:
(86) International Application No	:NA	registrar@shooliniuniversity.com Himachal Pradesh India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)DR. DEV KAMAL
(61) Patent of Addition to Application Number	:NA	2)URMILA
Filing Date	:NA	3)MEHTA JYOTI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention discloses an improved antibiotic composition for the treatment of infections caused by Staphylococcus species which has higher efficacy than existing antibiotics due to presence of bioactivity enhancing compound ferulic acid. The compound significantly enhances the activity of the antibiotic by blocking the NorA efflux pump™ of Staphylococcus species. Efflux pump is a protein present in the cell wall of bacteria which pumps out™ or throws out the antibiotic, thus necessitating use of higher dosages of antibiotic to kill the bacteria. However, when the pump is blocked, even much lower doses of the antibiotic are sufficient to kill the bacteria because the bacteria are unable to pump out™ the antibiotic and hence die. The MIC (Minimum Inhibitory Concentration) of the improved compositions is 8 fold lower in case of ciprofloxacin and 4 fold lower in case of norfloxacin.



No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/05/2017

(21) Application No.201711018678 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SMART LIGHTING DRIVER FOR MEASUREMENT OF INPUT POWER AND METHOD THEREOF

(51) International classification	:H05B37/02	(71) Name of Applicant : 1)HAVELLS INDIA LIMITED Address of Applicant :904, 9th Floor, Surya Kiran Building, KG Marg, Connaught Place, New Delhi-110001. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)GAURAV KUMAR SINHA 2)RUPENDAR KUMAR 3)SANCHITA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention provides an alternate method for measuring the input power in smart LED drivers without involving complex AC power measurement technique. Smart LED driver already has the information of output parameters (output voltage and output current) which can be used to predict input power, if correct efficiency is known. Efficiency is a function of output power and input voltage; hence by measuring the input voltage, input power is predicted without complexity of AC power measurement.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018741 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PROCESS TO PREPARE ANTI-DYSLIPIDEMIC CONCENTRATE FROM SEAWEED AND A PRODUCT THEREOF

(51) International classification	:A61K 36/00	(71) Name of Applicant : 1)Indian Council of Agricultural Research Address of Applicant :Krishi Bhavan, Dr.Rajendra Prasad Road, New Delhi, New Delhi, India. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)KAJAL CHAKRABORTY 2)ANUSREE MADACHERRY 3)SOUMYA KRISHNAN 4)PANANGHAT VIJAYAGOPAL 5)ACHAMVEETIL GOPALAKRISHNAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to a nutraceutical concentrate and a process of preparing the nutraceutical concentrate from Phaeophytan species belonging to Sargassum wightii with anti-dyslipidemic activities. This invention reveals a process of extracting a food supplement with potent anti- oxidative properties. wherein the formulation is enriched with oligosaccharide motif as1)-a-Fucp-(2SO3-)-(31)-a-Fucp-(2SO3-)-(41)--Galp-(41)--Galp-(41)....with OAc/OMe substituents in the C-4 position of a-(13)-Fucp and C-6 of -(14)-Galp) derived from S. wightii. and further enriched with aryl polyketides belonging to 4-(8-ethyl-tetrahydro-7-oxo-2H-pyran-5-yl)-propyl-4-methylbenzoate and methyl-2-(12-oxo-7-phenyl-8-vinyl-1-oxa-4,9-cyclododecadien-3-yl)-acetate from the purified fraction of the same seaweed. The invention reveals a process of extracts which involves concentrating extracted marine macroalgal powder, precipitating with CaCl₂, supernating the precipitation with final extraction. The formulation may consist of the seaweed polysaccharide comprising of substituted galactofucopyranose units and aryl polyketides based on antidyslipidemic properties and antioxidant assays revealing their total phenolic content, reducing ability, free radical scavenging capacity, hydrogen donating capacity, lipid peroxidation inhibition ability, hydroxyl radical scavenging ability and metal ion chelating ability. Fig 2



No. of Pages : 77 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018793 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LIFTING BAYONET LOCK

(51) International classification	:F01K15/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SWISS INVENT AG
(32) Priority Date	:NA	Address of Applicant :Zürichstrasse 17, 8607 Aathal, Switzerland Switzerland
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)KELLER, Hans
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for sealing a drain (26) leading out of a basin (2) comprising: - a tube section (30) with a first face side (35) and a second face side opposing to the first face side, wherein the tube section (30) is axially insertable into the drain (26) with the second face side and comprises a flange (36) extending radially away from the first face side (35) for seating on the basin (2), - an insert (42) for axially inserting into the tube section (30) on the first face side (35), characterized in that - the insert (42) is axially fixable against the tube section (30) by means of a bayonet lock (66). (Fig. 2)



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018827 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GREEN SYNTHESIS PROCESS OF UPCONVERTING NAYF4:YB3+,TM3+ NANOMATERIALS AND PRODUCTS THEREOF •

(51) International classification	:C09K11/77
(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)INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY), VARANASI

Address of Applicant :VARANASI-221005, UTTAR PRADESH, INDIA Uttar Pradesh India

(72)Name of Inventor :

1)MANOJ KUMAR

2)SUHIR RANJAN

(57) Abstract :

The present invention provides a method for synthesizing upconverting NaYF4:Yb3+,Tm3+ nanomaterials, nano-rods and nanoparticles, using plant extracts by hydrothermal method, thereby providing a green synthesis and products thereof; wherein the upconverting NaYF4:Yb3+,Tm3+ nanomaterials produced are water dispersible, super paramagnetic, water dispersible and biocompatible. The method utilizes plant extracts obtained from leaves of plant having high concentrations of ferromagnetic elements including iron (Fe), preferably plants belonging to Moringa sp., more particularly Moringa oleifera. The starting materials of upconverting NaYF4:Yb3+,Tm3+ nanomaterials are added to leaf extract of Moringa oleifera and the reaction is carried out at temperatures between 105 - 220 0C for 2 - 15 hrs with or without continuous stirring, wherein change of temperature and reaction time taken influences the shape and properties of nanomaterials produced, wherein either predominantly hexagonal phase - NaYF4:Yb3+,Tm3+ nano-rods, hexagonal phase -NaYF4:Yb3+,Tm3+ nanoparticles, or cubic phase a-NaYF4:Yb3+,Tm3+ nanoparticles are synthesized. Figure 1 on sheet no. 1 of the drawings may accompany the abstract when published.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2018

(21) Application No.201814015484 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DRIVE APPARATUS FOR OIL-PUMP MOTOR AND DRIVE CONTROL METHOD FOR OIL-PUMP MOTOR

(51) International classification	:F01K27/00	(71) Name of Applicant : 1)RENESAS ELECTRONICS CORPORATION Address of Applicant :2-24, Toyosu 3-chome, Koutou-ku, Tokyo 1350061, Japan Japan
(31) Priority Document No	:2017-100771	
(32) Priority Date	:22/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Naohiko AOKI 2)Kiyoshi ISHIKAWA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An oil-pump motor drive apparatus includes a current detection unit for detecting each of multi-phase currents flowing through coils of a stator, a control unit for converting the detected multi-phase currents into a d-axis current Id and a q-axis current Iq, calculating a phase error between an actual rotational position of the rotor and an imaginary rotational position by comparing the d-axis current Id with a d-axis current command value Idref and comparing the q-axis current Iq with the d-axis current command value Idref, performing control so that the phase error gets closer to zero, and outputting voltage command values indicating voltages to be applied to respective phases of the brushless motor, to a motor drive circuit, in which the control unit sets the d-axis current command value Idref to a value larger than zero when the number of revolutions of the motor is smaller than a predetermined number.



No. of Pages : 47 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2018

(21) Application No.201814015800 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING A SECURED PASSWORD AND AUTHENTICATION MECHANISM FOR PROGRAMMING AND UPDATING SOFTWARE OR FIRMWARE

(51) International classification	:G06K9/6228
(31) Priority Document No	:15/606,408
(32) Priority Date	:26/05/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :101 Columbia Road, POB 2245,
Morristown, N.J. 07962-2245, USA U.S.A.

(72)**Name of Inventor :**

1)Nalukurthy, RajeshBabu

2)Mathuraju, SivaSankar

3)Naraharisetti, Kanaka Nagendra Prasad

4)Venkatesh, Balamurugan

5)R, Murali

(57) Abstract :

Systems and methods for providing a secured password and authentication mechanism for programming and updating software and firmware are provided. Some methods can include a control panel device or a server device generating a onetime password or security token, the control panel device or the server device identifying an authorized user and a phone number of a mobile device associated with the authorized user, the control panel device or the server device using the phone number to transmit the onetime password or security token to the mobile device, the control panel device receiving user input including the onetime password or security token and instructions to program or update the software or firmware of the control panel device or to power off or restart the control panel device, and the control panel device executing the instructions when the onetime password or security token is valid



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2018

(21) Application No.201814016074 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MECHANICAL COUPLING DEVICES FOR MOTORIZED LEVERING-IN ASSEMBLIES, RELATED ELECTRICAL APPARATUS AND METHODS

(51) International classification

:F01M9/10

(31) Priority Document No

:15/604,955

(32) Priority Date

:25/05/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Eaton Intelligent Power Limited
Address of Applicant :30 Pembroke Road Dublin 4, Ireland

[00119] Levering-in systems, particularly suitable for electrical apparatus such as switchgears, have a motor that can drive a drive shaft during a powered operation and include a mechanical coupling assembly that can physically disconnect or decouple the drive shaft from a drivetrain coupled to the motor to allow manual levering-in with a reduced user crank force and/or to inhibit damage to components of the motorized drive system.

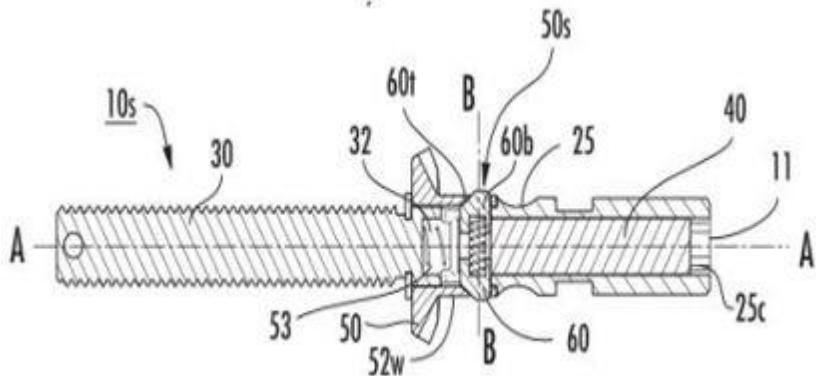


FIG. 2A

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2018

(21) Application No.201814016329 A

(43) Publication Date : 30/11/2018

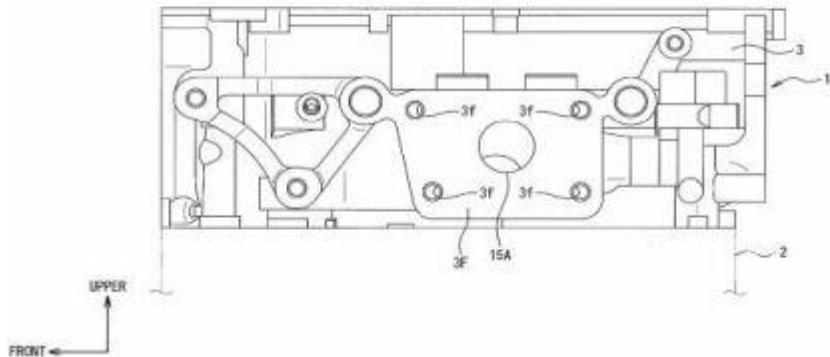
(54) Title of the invention : CYLINDER HEAD OF INTERNAL COMBUSTION ENGINE

(51) International classification	:F01K27/00	(71) Name of Applicant :
(31) Priority Document No	:2017-104595	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan Japan
(32) Priority Date	:26/05/2017	(72) Name of Inventor :
(33) Name of priority country	:Japan	1)Ryuichi KIMPARA
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A cylinder head for an internal combustion engine is provided which is capable of being reduced in size and weight and decreasing a gas flow resistance in exhaust paths formed in the cylinder head. The cylinder head includes first exhaust paths and second exhaust paths which are laid to overlap each other in an axial direction of cylinders upstream of first converging paths so that two transverse sections of the exhaust paths become one vertically elongated transverse section. The first converging paths leading to the second converging path have downstream portions which are shaped to have a vertically elongated transverse section.

FIG. 1



No. of Pages : 28 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/05/2017

(21) Application No.201711015891 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLAR ENERGY POWERED MOBILE IRRIGATION SYSTEM FOR RIVER BANKS,
ACQUIESCENT TO RECEDED WATER LEVEL

(51) International classification	:Y02A20/402	(71) Name of Applicant : 1)SAVEER BIOTECH LIMITED Address of Applicant :D-54, Site IV, Industrial Area, Surajpur UPSIDC, Greater Noida-201306 Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Sanjay Sudan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A mobile water floating irrigation system, floating on the water body for the fields alongside the river banks wherein only single irrigation system with submersible pump can irrigate a long stretch of land and the pump is run by electric power obtained from renewable energy of sun. The invention more particularly describes a mobile water floating irrigation system, wherein solar energy capturing units are mounted in such a way on the floating body so that it can be moved in the solar energy's direction and capture the maximum solar energy. Submersible pump fixed to the rear side of the floating body, wherein it can be moved up and down using a pulley arrangement and a specially designed clasp system to keep it safe from water debris. The mobile irrigation system has the advantage of being workable with the receding water level of the rivers too. The said irrigation system is convenient in implementation, flexible in installation and easier in use. This irrigation system provide the irrigation in fields along the river bank and save the cost of installing many pumps, electricity cost and save groundwater; provide increase in crop growth, resulting in good profit.



No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2018

(21) Application No.201814016473 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURE FOR SUPPORTING A SHIFT MECHANISM

(51) International classification	:F16D65/02	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(31) Priority Document No	:2017-105234	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Shota SATO 2)Shunichi ITO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

[Object] To provide a structure for supporting a shift mechanism capable of preventing the vibration of the shift mechanism from propagating into the vehicle cabin: [Solution] Viewing a vehicle 1 from above, a bulging tip portion 24A of a front cross member 24 and a bulging tip portion 25A of a rear cross member 25 face each other and are aligned in a longitudinal axis (CI) within the bisecting plane that bisects the vehicle 1 such that the front cross member 24 and the rear cross member 25 extend in the shape of an X. A mount mounting bracket 26 is attached to the front cross member 24 and the rear cross member 25 to cover the bulging tip portion 24A of the front cross member 24 and the bulging tip portion 25A of the rear cross member 25. A shift bracket 55 is attached to the mount mounting bracket 26. A shift mechanism is supported by the mount mounting bracket 26 via the shift bracket 55 by connecting the rear of a shift case 54 to the shift bracket 55 such that the shift case 54 can move relative to the mount mounting bracket 26 via the shift bracket 55.



No. of Pages : 27 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2018

(21) Application No.201814016648 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CANNULA SECURING DEVICE

(51) International classification	:F16D65/02	(71) Name of Applicant : 1)NATHAN, Menachem Address of Applicant :Arie Suslik 5, Tel Aviv 6935983, Israel.
(31) Priority Document No	:62/512,012	
(32) Priority Date	:28/05/2017	Israel
(33) Name of priority country	:U.S.A.	
(86) International Application No	:NA	(72) Name of Inventor : 1)NATHAN, Menachem
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 :

Cannula securing devices and cannula needle and catheter covers including such devices, wherein a cannula securing device comprises a tubular section shaped internally to engage and hold securely a cannula needle bushing, the tubular section having a top and a bottom, and a securing member for attaching the securing device to a patients skin in a substantially perpendicular orientation to the skin, wherein the securing device has an attachment surface substantially co-planar with the tubular section bottom.



No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2018

(21) Application No.201814016848 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ROTATING ELECTRICAL MACHINE, END COVER COUPLING STRUCTURE, AND END COVER COUPLING METHOD

(51) International classification	:B24B53/075	(71) Name of Applicant : 1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION Address of Applicant :3-1-1, Kyobashi, Chuo-ku, Tokyo 104-0031, Japan Japan
(31) Priority Document No	:2017-100900	
(32) Priority Date	:22/05/2017	
(33) Name of priority country	:Japan	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)KATAGIRI, Hiroki
(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 rotating electrical machine (100) comprises: a rotor (10); a stator (20); a frame (40) with reamer holes (40a); an end cover (50) with end cover-side through holes (55) formed at positions corresponding to the reamer holes (40a); and end cover coupling structures (60). Each of the structures (60) includes: a reamer bolt (61) having a reamer portion (61a) with an outer diameter matching the reamer holes (40a, 65c) and a male thread portion (61b); and a fitting member (65) including a cylindrical portion (65a) and a plate portion (65b). A reamer hole (65c) is formed so as to pass through the cylindrical portion (65a) and the plate portion (65b) and to be fitted with the reamer bolt (61), and an expanded hole (65d) is formed in such a way as to share the axis with the reamer hole (65c) and be larger in diameter than the reamer hole (65c). Inner diameter of the end cover-side through hole (55) is larger than the outer diameter of the cylindrical portion (65a) of the fitting member (65).



No. of Pages : 31 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2018

(21) Application No.201814017148 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR PREPARING AMINO COMPOUNDS FROM NITRILE COMPOUNDS

(51) International classification

:C07C27/06

(31) Priority Document No

:17172376.0

(32) Priority Date

:23/05/2017

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Evonik Degussa GmbH

Address of Applicant :Rellinghauser Strae 1-11, 45128 Essen
(DE) Germany

(72)Name of Inventor :

1)RITTSTEIGER, Anne

2)KOHLSTRUK, Stephan

3)HOPPE, Dirk

4)RFER, Alexander Martin

5)SOWKA, Sabrina

6)SCHNEIDER, Sven

7)SCHLTER, Norbert

8)HENGSTERMANN, Axel

9)GALLE, Markus

10)R-DER, Stefan

11)BERWEILER, Monika

(57) Abstract :

The present invention relates to a process for hydrogenating nitrile compounds to amino compounds, in which the cross-sectional loading of the reactor during the hydrogenation is less than or equal to 4.0 kg/m²s, based on the liquid phase.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2018

(21) Application No.201814017173 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HIGH POWER CAPACITOR

(51) International classification	:H01H33/126
(31) Priority Document No	:15/603,520
(32) Priority Date	:24/05/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Celem Passive Components LTD.

Address of Applicant :High-Tech Park of the Hebrew Univ. in Jerusale, IL 91390, United States of America U.S.A.

(72)Name of Inventor :

1)Anat Jakoubovitch

2)Benjamin Jakoubovitch

3)Gad Yaron

(57) Abstract :

An AC capacitor including a first electrode with an electrically conductive rod protruding from surface of the first electrode, a second electrode including an opening, a bobbin located between the first and the second electrode the bobbin includes a hollow central section. The axis of the electrically conductive rod protruding from surface of the first electrode is coaxial with axis of the hollow bobbin and the electrically conductive rod passes through the hollow central section of the bobbin and through the opening in the second electrode allowing current flow.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2018

(21) Application No.201814017200 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EMISSIONS CONTAMINANT CAPTURE AND COLLECTION SYSTEM UTILIZING AN INTEGRATED FLUIDIZED BED APPARATUS AND METHOD OF USE

(51) International classification	:F01K27/00	(71) Name of Applicant :
(31) Priority Document No	:15/606,471	1)CHEMICAL AND METAL TECHNOLOGIES LLC
(32) Priority Date	:26/05/2017	Address of Applicant :1400 Afflink Place Suite 100
(33) Name of priority country	:U.S.A.	Tuscaloosa, Alabama 35406, United States of America U.S.A.
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)STUHLER, Hal
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)STUHLER, Lori
(62) Divisional to Application Number Filing Date	:NA :NA	3)WALWORTH, Van T.
		4)DRUMMOND, Scott

(57) Abstract :

An apparatus for removing contaminants from emissions is provided with a reverse venturi shaped fluidized bed device integrated into the system. The system includes numerous component devices such as, but not limited to, an influent source, a fluidized bed device, a post filter device, and an effluent discharge. The system may also include one or more application specific pre-filter and/or post filter devices. The fluidized bed is constructed with a specific length to diameter ratio for optimum restrictive flow through a specialized filter media. The filter media is a mass of reactive material disposed within the fluidized bed which is in intimate contact with the emissions, as the emissions pass through the fluidized bed. The mass of reactive material contains an amalgam forming metal which chemically binds with the emissions that are passing through the system. Methods for removing contaminants from gaseous and non-gaseous emissions are also provided.



No. of Pages : 104 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2018

(21) Application No.201814017597 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURE FOR MOUNTING A POWER UNIT •

(51) International classification	:F01K27/00	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan Japan
(31) Priority Document No	:2017-105234	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Takaaki ISHII
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

[Object] To provide a structure for mounting a power train capable of preventing the propagation of the vibration derived from the power unit to the vehicle body by supporting the power unit with stability: [Solution] Viewing a vehicle 1 from above, a bulging tip portion 24A of a front cross member 24 and a bulging tip portion 25A of a rear cross member 25 face each other and are aligned in a longitudinal axis C1 within the bisecting plane that bisects the vehicle 1 such that the front cross member 24 and the rear cross member 25 extend in the shape of an X. A mount mounting bracket 26 is attached to the front cross member 24 and the rear cross member 25 to cover the bulging tip portion 24A of the front cross member 24 and the bulging tip portion 25A of the rear cross member 25. An elastically deformable mount 27 is attached to the mount mounting bracket 26, and the power unit 10 and the mount 27 are interconnected by a mounting bracket 28.



No. of Pages : 32 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2018

(21) Application No.201814017849 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EXHAUST GAS ANALYSIS APPARATUS AND EXHAUST GAS ANALYSIS METHOD

(51) International classification	:F01M9/10	(71) Name of Applicant : 1)HORIBA, Ltd. Address of Applicant :2, Miyanohigashi-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8510, Japan Japan
(31) Priority Document No	:2017-102703	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor : 1)OTSUKI, Yoshinori
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An exhaust gas analysis apparatus includes an exhaust gas flow channel L1, a pump P, and a heat exchanger 40. The exhaust gas flow channel L1 is designed to permit passage of exhaust gas of an internal combustion engine, and is provided with an analysis device F. The pump P is disposed downstream of the analysis device F in the exhaust gas flow channel L1. The heat exchanger 40 is designed to receive at least one of heat of the pump P and heat of exhaust gas passing downstream of the pump P, and to use the heat to heat exhaust gas passing upstream of the pump P in the exhaust gas flow channel L1.



No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201711017991 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A DEVICE FOR SOLID-LIQUID EXTRACTION

(51) International classification	:F01M9/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001 INDIA Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)VENKATASUBRAMANIAN SIVAKUMAR
Filing Date	:NA	2)ASIT BARAN MANDAL
(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 provides a Device for facilitating better contact of ultrasound with materials employed (e.g. plant based, natural materials etc.) for extraction in order to maximize the mass-transfer as well as extract yield up to 85% and the same device also has the option for simultaneous solid-liquid extraction of active ingredients of plant materials as well as treatment of such extracts with suitable substrates in leather processing as shown in, comprising essentially components: i) Ultrasonic generator generating ii) Ultrasonic probe (2) iii) Extraction cell (3) in the form of partition with perforations, wherein plant or solid materials- alone are entrapped, whereas solvents or extract solution are free to move, in such a way, which would also provide maximum yield in the solid-liquid extraction process; whereas iv) Process vessel (4) as well as v) Ultrasonic tank (9) for enhancing the simultaneous extraction cum leather treatment; wherein vii) optional single or multiple ultrasonic transducer(s) (10) as emitter(s), while the process vessel (4) shall be alternatively in other forms such as conventional leather process drum (11) or Paddle (12), in that case ultrasonic tank (9) is not required.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201711018053 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A METHOD AND SYSTEM FOR OPERATING A FLEXIBLE COMPUTING-DEVICE

(51) International classification	:G06G	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU, Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of Korea
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)SHARMA, Ankur
Filing Date	:NA	2)GUPTA, Atul
(87) International Publication No	: NA	3)GUPTA, Sachin Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In an embodiment, the present subject matter comprises a method and system (200) for operating a flexible computing-device. The method as executed by the system (200) comprises determining at least one bending axis of a computing-device based at-least on a type of application selected by a user within the computing device. Based on an activation-instruction received from the user, a bending-axis selected from said at-least one bending axis is also activated. Further, at least one user-input directed to the device is received, based upon which a user-interface of the application uniquely linked to said activated bending-axis is rendered. Such user-interface has at least one designated-control to operate upon said application. <<To be published with Figure 2>>



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201711018060 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR MANAGING PRIORITIES OF A SESSION ON A USER DEVICE

(51) International classification	:H04L 12/66	(71) Name of Applicant : 1)Samsung Electronics Co., Ltd. Address of Applicant :416 Maetan-Dong, Yeongtong-GU, Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of Korea
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)CHOURASIYA, Abhishek
(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 provides for method for managing priorities of a session on a user device. In accordance with one embodiment, the session involving the user device and at least one further device, and the method comprises receiving information indicative of at least one of a pre-session priority, a session-in-progress priority and a post-session priority in relation to the session; and controlling, based on the information thus received, at least one of: an operation during the session; a post-termination operation; and allocation of one or more system resources.



No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2018

(21) Application No.201814018165 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RECONFIGURABLE SEGMENTAL CONTAMINATED EMISSIONS CAPTURE AND COLLECTION SYSTEM UTILIZING A FLUIDIZED BED APPARATUS WITH A METHOD FOR TILTING AND/OR AGITATION

(51) International classification	:F16D65/02	(71) Name of Applicant :
(31) Priority Document No	:15/606,614	1)CHEMICAL AND METAL TECHNOLOGIES LLC Address of Applicant :1400 Afflink Place, Suite 100, Tuscaloosa, Alabama 35406, United States of America U.S.A.
(32) Priority Date	:26/05/2017	
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)STUHLER, Hal 2)STUHLER, Lori 3)WALWORTH, Van T. 4)DRUMMOND, Scott
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system for removing contaminants from emissions including a reverse venturi shaped fluidized bed device featuring a method for tilting and/or agitation. The system includes numerous component devices such as, but not limited to, an influent source, a fluidized bed device, a post filter device, and an effluent discharge, each of which are able to be isolated, integrated, bypassed, and/or reconfigured for application specific emissions requirements. The filter media is a mass of reactive material disposed within the fluidized bed which is in intimate contact with the emissions as they pass through the fluidized bed. The mass of reactive material contains an amalgam forming metal which chemically binds with the emissions that are passing through the system. Methods for removing contaminants from gaseous and non-gaseous emissions are also provided.



No. of Pages : 121 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2018

(21) Application No.201814018213 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MECHANISM FOR OPENING AND CLOSING THE COVER OF A HOUSING

(51) International classification	:F01K27/00	(71) Name of Applicant :
(31) Priority Document No	:EP17382295	1)SIMON, S.A.U.
(32) Priority Date	:23/05/2017	Address of Applicant :C/Diputaci ⁿ 390-392 08013 Barcelona
(33) Name of priority country	:EUROPEAN UNION	SPAIN Spain
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)MIGUEL P%oREZ P%oREZ
(87) International Publication No	: NA	2)ORIOL TOM • S SANCHEZ
(61) Patent of Addition to Application Number	:NA	3)ADRI RIQUE REBULL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Mechanism M for opening and closing the cover 1 of a housing H being adapted to be lifted by two opposite sides 13, 14 to allow access to the inside by either one 13 or the other side 14, so that when one of the sides 13, 14 is lifted the other side 14, 13 remains fixed so that the cover pivots on one of a first E1 or a second E2 axes defined by the other side 14, 13 respectively, the mechanism comprising two guiding extensions P1, P2, two guiding assemblies G1, G2 each comprising a first groove R1, R1TM and a second groove R2, R2TM, both having a circular arc shape, the center of the circle arc of the first groove R1, R1TM and of the second groove R2, R2TM being located on the first axis E1 and on the second axis E2 respectively. Figure 2



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2018

(21) Application No.201814018307 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BATTERY AND MANUFACTURING METHOD OF THE SAME

(51) International classification	:	H01M6/00
(31) Priority Document No	:	2017-100970
(32) Priority Date	:	22/05/2017
(33) Name of priority country	:	Japan
(86) International Application No Filing Date	:	NA NA
(87) International Publication No	:	NA
(61) Patent of Addition to Application Number Filing Date	:	NA NA
(62) Divisional to Application Number Filing Date	:	NA NA

(71)Name of Applicant :

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
471-8571, Japan Japan

(72)Name of Inventor :

1)Yukinari TANABE

2)Keiji KAITA

3)Nobuyuki YAMAZAKI

4)Masaru TAKAGI

5)Teruo ISHISHITA

(57) Abstract :

A battery (200) includes at least an electrode group (100) including a positive electrode (10), a separator (30), a negative electrode (20), and a protection layer (410). The separator (30) is interposed between the positive electrode (10) and the negative electrode (20). The positive electrode (10) includes a positive electrode current collector (11), a positive electrode mixture layer (12), and a positive electrode tab (13). The positive electrode mixture layer (12) is disposed on a surface of the positive electrode current collector (11). The positive electrode tab (13) is electrically connected to the positive electrode current collector (11). The protection layer (410) covers a surface of the positive electrode tab (13). A volume resistivity of the protection layer (410) is within a range of one to 100 times a volume resistivity of the positive electrode mixture layer (12).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2018

(21) Application No.201814018395 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OPTIMIZED CIRCULATION MANAGEMENT METHOD OF A TRAIN AND ASSOCIATED CBTC SIGNALING SYSTEM

(51) International classification	:B61L25/02	(71) Name of Applicant :
(31) Priority Document No	:17 54618	1)ALSTOM TRANSPORT TECHNOLOGIES
(32) Priority Date	:24/05/2017	Address of Applicant :48, rue Albert Dhalenne, 93400 SAINT-Ouen, France France
(33) Name of priority country	:France	(72) Name of Inventor :
(86) International Application No	:NA	1)BRESSON, Mathieu
Filing Date	:NA	2)BALLESTEROS, Javier
(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 :

When an event prevents a train from moving along a route in a nominal direction, this method makes it possible to cause it to circulate in an opposite direction by: selecting (120) an origin zone and an output signal; drawing (130) a pseudo-route on the successive zones between the origin zone and the output signal; opening (140) the pseudo-route by associating a sub-route with each zone, corresponding to the reservation of said zone for said train; informing (150) the train that it must circulate in the opposite direction; determining (160) a movement authorization for the train from sub-routes that are open and a list of obstacles that is updated regularly; sending (180) the movement authorization to the train, the determination (160) and transmission (170) steps being iterated until the train crosses the output signal.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2018

(21) Application No.201814018409 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COOLING STRUCTURE FOR ENGINE COMPARTMENT OF VEHICLE

(51) International classification	:F16D65/02	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(31) Priority Document No	:2017-101881	
(32) Priority Date	:23/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Shingo KANZAKI 2)Atsumi MACHINO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To provide a cooling structure for an engine compartment of a vehicle that is capable of easily preventing a drop in heat radiation effect of a heat exchanger without any restriction in design of the vehicle: [Solution] In a cooling structure for an engine compartment including an engine 11, a front panel structure in the form of a front grille installation base 7 includes a tubular part 21. The tubular part 21 houses a warning device in the form of a horn 22. The tubular part 21 has a cutout 21A. The cutout 21A is located above a heat exchanger in the form of an intercooler 9 and oriented such that an air flow leaving the cutout 21A impinges on a auxiliary machine in the form of a turbocharger 15.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018838 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NANOCOMPOSITE PHOTOCATALYSTS

(51) International classification	:B01J 35/00	(71)Name of Applicant : 1)Indian Institute of Technology Delhi Address of Applicant :Hauz Khas, New Delhi-110016 Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are photocatalysts for degradation of organic material comprising composite nanostructures comprising piezoelectric material and ferromagnetic material and processes for the preparation of the photocatalysts.



No. of Pages : 22 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018843 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A BUMPER WITH INTEGRATED LOWER IMPACT ABSORBER FOR PROTECTING PEDESTRIAN LOWER LEG

(51) International classification	:B60R16/04	(71) Name of Applicant : 1)MARUTI SUZUKI INDIA LIMITED Address of Applicant :1, Nelson Mandela Road, Vasant Kunj, New Delhi 110070, India. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SHARMA KUMAR PARVEEN
(87) International Publication No	: NA	2)KAPOOR KARTIK
(61) Patent of Addition to Application Number	:NA	3)DHIMAN JATINDER
Filing Date	:NA	4)MISRA ABHINAV
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The subject matter disclosed herein relates to a bumper (200) for a vehicle to absorb impact energy at lower leg area during the vehicle collision. The bumper (200) has an upper portion of mounted with upper cross member. The upper portion has capabilities to absorb upper leg impact. Further, the bumper (200) has a lower portion (201) which is mounted with lower cross member (206) of the vehicle. The lower portion (201) has an integrated impact absorber (203) which is formed integrally on inner surface of the lower portion (201). The integrated impact absorber (203) is provided to restrict inside movement of the lower portion (201) during the vehicle collision and absorb impact energy. To be published with Fig. 3



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201711018844 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PROCESS FOR ENHANCED PRODUCTION OF RAPAMYCIN

(51) International classification	:C12P17/18	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY, BANARAS HINDU UNIVERSITY (IIT-BHU) Address of Applicant :VARANASI-221005,UP, INDIA Uttar Pradesh India
(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	(72)Name of Inventor : 1)PRADEEP SRIVASTAVA 2)RUPIKA SINHA 3)MAMTA SHARMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for enhanced production of rapamycin by Streptomyces hygroscopicus NRRL 5491 using a competitor strain of Candida albicans NCIM 3471 for enhanced production of rapamycin by 15%, said process comprising the steps of designing the seed culture medium and production medium for S. hygroscopicus; designing culture medium for C. albicans, and inoculating live cells of competitor strain C. albicans 3% vol/vol of medium after at least 20 hours of first inoculation. The rapamycin thus produced are verified regarding the efficacy against Candida albicans NCIM 3471.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2018

(21) Application No.201814018757 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND METHOD FOR CUTOFF MACHINING SINTERED MAGNET

(51) International classification	:F01K27/00	(71) Name of Applicant : 1)Shin-Etsu Chemical Co., Ltd. Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan Japan
(31) Priority Document No	:2017-104336	
(32) Priority Date	:26/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:NA	1)Hitoshi INAMI
Filing Date	:NA	2)Takafumi UENO
(87) International Publication No	: NA	3)Kazuhito AKADA
(61) Patent of Addition to Application Number	:NA	4)Masaki KASASHIMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A sintered magnet sawing apparatus is provided comprising a cylindrical work carrier mounted on a horizontal rotating spindle and having a regular polygonal shape in a perpendicular cross section, and a plurality of endless elastic belts adapted to force a work of sintered magnet against the carrier surface to secure the work thereto and adapted to travel synchronously with and counter to the rotation of the carrier in a circulatory manner. In accordance with rotation of the carrier, the work is delivered to the peripheral surface of the carrier, secured thereto by the elastic belts, moved further forward and cutoff machined by an outer cutoff blade. The divided work is moved further forward, released and discharged from the carrier.



No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2018

(21) Application No.201814018785 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOBILE STATION AND METHODS FOR RESTRAINING PING-PONG CELL RESELECTION THEREOF

(51) International classification	:H04W4/001	(71) Name of Applicant :
(31) Priority Document No	:201710377383.8	1)MEDIATEK SINGAPORE PTE. LTD.
(32) Priority Date	:25/05/2017	Address of Applicant :NO. 1 FUSIONOPOLIS WALK, #03-01 SOLARIS SINGAPORE 138628 SINGAPORE Singapore
(33) Name of priority country	:China	(72) Name of Inventor :
(86) International Application No	:NA	1)Zhang Chuangde
Filing Date	:NA	2)Wang Yunqi
(87) International Publication No	: NA	3)Wu Yan
(61) Patent of Addition to Application Number	:NA	4)Zhao Xiaochi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Ping-Pong cell reselection restraining methods and mobile station are provided. One of the methods comprises: when mobile station is in first mobility state, enabling first Ping-Pong cell reselection scheme; enabling first virtual cell reselection scheme; determining whether the mobile station exits from the first mobility state and enters second mobility state according to first measurement result received by processor of mobile station and first Ping-Pong cell reselection criteria of first mobility state; and when it is determined that mobile station would not exit from first mobility state and enter second mobility state, performing first virtual cell reselection judgment according to first measurement result and first virtual cell reselection criteria of the first mobility state, and recording relevant information of first virtual cell reselection state when executing first virtual cell reselection judgment operation and determining whether mobile station exits from first mobility state according to relevant information of first virtual cell reselection state and enters normal mobility state. Figures



No. of Pages : 47 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2018

(21) Application No.201814018794 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : VANE PUMP AND VANE THEREOF

(51) International classification	:B24B53/075
(31) Priority Document No	:201720577042.0
(32) Priority Date	:23/05/2017
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart,
Germany Germany

(72)Name of Inventor :

1)MA, Qian

(57) Abstract :

A vane for use in a vane pump in the present application has a front end and a rear end opposite thereto, wherein the front end is connected to a rotary body capable of rotating relative to the front end along a rotation axis parallel to a rotor shaft of the vane pump. By using the arrangement of the present application, friction between the vane and an inner peripheral surface of a stator can be reduced.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2018

(21) Application No.201814018867 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CULTURE CONTAINER, AND SYSTEM AND METHOD OF TRANSFERRING A CULTURED ORGANISM BETWEEN CULTURE CONTAINERS

(51) International classification	:F16D65/02	(71) Name of Applicant :
(31) Priority Document No	:62/509,719	1)DROBOT BIOTECHNOLOGY LIMITED COMPANY
(32) Priority Date	:22/05/2017	Address of Applicant :5F., No. 16, Ln. 305, Zhongzheng Rd., Shilin Dist. Taipei, 11162, TAIWAN, R.O.C. Taiwan
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)TSAO, Chia-Kang
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A culture container (100, 100TM) includes a tube (102, 102TM) having a first and a second opening (103, 105) respectively provided at two opposite ends thereof, and a cover (104, 104TM) installable on and removable from the first opening (103) of the tube (102, 102TM), the cover (104, 104TM) including a receptacle (106) for holding a substance (138) consumable by an organism of interest (T, TTM), the receptacle (106) being enclosed inside the tube (102, 102TM) when the cover (104, 104TM) is installed on the first opening (103) of the tube (102, 102TM). Moreover, a system and a method of transferring a cultured organism of interest (T, TTM) include switching the covers (104A, 104B) between two culture containers (100A, 100B).



No. of Pages : 78 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2018

(21) Application No.201814018982 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HYBRID VEHICLE

(51) International classification	:F16D65/02	(71) Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan Japan
(31) Priority Document No	:2017-104251	
(32) Priority Date	:26/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor : 1)Yuki OGAWA
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A hybrid vehicle (1) includes: an internal combustion engine (10); a motor generator (20, 30); an electric storage device (60) electrically connected with the motor generator (20, 30); and a control device (100) configured to set a control mode of an electric storage level of the electric storage device (60), to one of a charge depleting mode and a charge sustaining mode. The control device (100) is configured to expand a permissible fluctuation band of the electric storage level during the charge sustaining mode, when the control device (100) is performing a first switching control, compared to when the control device (100) is not performing the first switching control, the first switching control being a control in which the control device (100) automatically performs switching between the charge depleting mode and the charge sustaining mode, at least partly based on a predicted load on a planned traveling route for the hybrid vehicle (1).



No. of Pages : 44 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2018

(21) Application No.201814018984 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONNECTING AND DISCONNECTING DEVICE FOR CLUTCH

(51) International classification	:F01M9/10	(71) Name of Applicant :
(31) Priority Document No	:2017-104027	1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan Japan
(32) Priority Date	:25/05/2017	(72) Name of Inventor :
(33) Name of priority country	:Japan	1)Shinya KITAI
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A connecting and disconnecting device (30; 150) of a clutch (16) includes a clutch pedal (50), a clutch cylinder (54), a power transmission mechanism (56; 152), an electric actuator (70; 168), and a separation mechanism (76; 160). The power transmission mechanism is configured to transmit depressing force of the clutch pedal as operating force for the clutch cylinder. The electric actuator is connected to the power transmission mechanism so as to allow power transmission. The electric actuator is configured to apply the operating force to the clutch cylinder through the power transmission mechanism. The separation mechanism is provided on a portion of a power transmission path in the power transmission mechanism, the portion being between the clutch pedal and the electric actuator.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2018

(21) Application No.201814019129 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TOILET WITH VITREOUS CHINA FLUSH ENGINE AND POLYMERIC OUTER STRUCTURE

(51) International classification

:F01K27/00

(31) Priority Document No

:62/509,588

(32) Priority Date

:22/05/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A toilet assembly includes a flush engine having a bowl, a sump at a lower portion of the bowl, and a trapway extending from the sump. The toilet assembly further includes a first polymeric layer at least partially surrounding the flush engine, the first polymeric layer comprising a foam. The toilet assembly further includes a second polymeric layer provided on the first polymeric layer, the second polymeric layer comprising resin.



No. of Pages : 39 No. of Claims : 20

(71)Name of Applicant :

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Address of Applicant :444 Highland Dr., Kohler, WI 53044,
USA U.S.A.

(72)Name of Inventor :

1)Mark Schibur

2)Jeremiah Rauwerdink

3)Clayton Garrels

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019204 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOUNT DEVICE FOR POWER TRAIN

(51) International classification	:F01M9/10	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(31) Priority Document No	:2017-105234	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor : 1)Akihiro YOSHIKAWA
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A mount device for a power train is provided which includes a left mount device which is equipped with a second bracket is secured to a top surface of a first bracket by a front fastening portion and a rear fastening portion. When viewed from the front of a vehicle, the front fastening portion and the rear fastening portion extend horizontally. A mount attachment is inclined so as to cross the front fastening portion and the rear fastening portion. The mount attachment is connected to the front fastening portion and the rear fastening portion through a lower connecting portion extending below the front fastening portion and the rear fastening portion and an upper connecting portion extending above the front fastening portion and the rear fastening portion, respectively. This structure improves the degree of freedom of installation thereof and reduces mechanical vibration of the mount attachment.



No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019211 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUGMENTED REALITY-BASED INFORMATION ACQUIRING METHOD AND APPARATUS

(51) International classification	:G06F3/048
(31) Priority Document No	:201710381173.6
(32) Priority Date	:25/05/2017
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Guangzhou 510627, CHINA China

(72)Name of Inventor :

1)WEIZHONG JIANG

(57) Abstract :

Embodiments of the present application provide an augmented reality-based information acquiring method and apparatus. The method is applied to a mobile terminal, comprising: determining whether a distance between the mobile terminal and an augmented reality target is shorter than a preset distance according to the position, a moving speed and a moving direction of the mobile terminal; sending acquired current scenario information and augmented reality target information to a server by the mobile terminal, if the distance between the mobile terminal and the augmented reality target is shorter than the preset distance; receiving and using augmented reality to display information of a point of interest related to the augmented reality target sent by the server and the current scenario. The embodiments of the present application can use the augmented reality technology to acquire information of a point of interest related to an augmented reality target in real time.



No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019221 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURE FOR SUPPORTING A SHIFT MECHANISM

(51) International classification	:F01K27/00	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(31) Priority Document No	:2017-105234	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Shota SATO 2)Shunichi ITO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

[Object] To provide a structure for supporting a shift mechanism capable of preventing the durability of the shift mechanism from becoming worse by reducing vibration of the shift mechanism: [Solution] In a structure for supporting a shift mechanism, a front differential 17, to which the power is conveyed from a transfer case 14 by a front propeller shaft 15, is installed at a location spaced forward from the transfer case 14 and spaced laterally outward from an engine 11 in addition to a rear differential, to which the power is conveyed from the transfer case 14 by a rear propeller shaft 15. A shift mechanism 51 is installed at a location between the transmission 12 and the transfer case 14 and above a propeller shaft 13. A center cross member 6 has a shift bracket 55 which supports the shift mechanism 51. The shift bracket 55 extends from the cross member 6 to the shift mechanism 51 through a space 31 created between the propeller shaft 13 and the front propeller shaft 15.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019253 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURAL SET FOR HEADER ASSEMBLY AND HARVESTING MACHINE

(51) International classification	:B24B53/075	(71) Name of Applicant : 1)CNH Industrial (India) Private Limited Address of Applicant :3rd Floor, ATC Tower, Plot NO. 14A, Sector 18, Gurgaon 122015, Haryana. India Haryana India
(31) Priority Document No	:BR 10 2017 010857-0	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention refers to a structural set for assembling a header intended for harvesters, being comprised of technical, constructive and functional aspects capable of promoting the compensation of the lateral movement of the header according to the ground conditions of the planting rows being harvested. More particularly, the present invention refers to a structural set for assembling a header in an agricultural machine (A) comprising a girder (11) consisting of a central beam (12) interconnected to at least two structural columns (13), said central beam (12) being provided with a pivoting point (16) for engaging and fastening a bracket (15), and it further comprises at least one return element (17) of said bracket (15) for returning the bracket in a substantially horizontal position when at rest.



No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019255 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HEADER FOR AGRICULTURAL MACHINES AND HARVESTING MACHINE

(51) International classification	:F01M9/10	(71) Name of Applicant : 1)CNH Industrial (India) Private Limited Address of Applicant :3rd Floor, ATC Tower, Plot NO. 14A, Sector 18, Gurgaon 122015, Haryana. India Haryana India
(31) Priority Document No	:BR 10 2017 010851-1	(72) Name of Inventor : 1)ANDR% SATOSHI SEKI 2)JOfO AUGUSTO MARCOLIN LUCCA
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention refers to an agricultural machine header which can be coupled to and uncoupled from the harvesting machine and comprises a set of technical and constructive characteristics capable of supporting the basic cutting elements of the machine in an adjustable and flexible condition, allowing the customized configuration of the machine according to the conditions and characteristics of the plantation and type of harvest desired. More specifically, the present invention refers to an agricultural machine header comprising a frame (11) provided with a number of adjustable support means for achieving adequate coupling to at least two row divider sets (12a, 12b), at least one pair of base cutting disks (13a, 13b) and at least one knock-down roller (14). The present invention further refers to a stalk plant harvesting machine and comprises the header.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019256 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SLAT FOR AGRICULTURAL MACHINE ELEVATORS, ELEVATOR FOR TALL STALKY PLANT HARVESTERS AND HARVESTER MACHINE

(51) International classification	:B24B53/075	(71) Name of Applicant : 1)CNH Industrial (India) Private Limited Address of Applicant :3rd Floor, ATC Tower, Plot NO. 14A, Sector 18, Gurgaon 122015, Haryana, India Haryana India
(31) Priority Document No	:BR 10 2017 010856-2	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention refers to a novel model of slat for agricultural machine elevators, particularly those intended for harvesting tall stalky plants, with the mentioned slat comprised of technical, functional and construction characteristics that can significantly boost productivity, in addition to lowering plant matter loss risks. More particularly, a slat according to this invention consists of at least one main plate (21) whose width (x) is substantially equivalent to the width of the elevator structure (10), wherein said plate is positioned between two assembly frameworks (22), having connection elements (23) that divide the body of the slat (20) into a lower part (20a) with a height (h1) and an upper part (20b) with a height (h2), whereby the height (h2) of the upper part (20b) is equivalent to at least 3 times the height (h1) of the lower part (20a). Furthermore, this invention refers to a harvesting machine elevator for tall stalky plants comprised of a structure consisting of three segments (10a, 10b, 10c), interconnected by pivot axles (11) and a bottom floor (34) over which a set of slats move, wherein these slats (20) are set apart from each other at a distance (d) equivalent to about 2 to 3 times the total height (H) of the slats (2).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019257 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURAL SET FOR ASSEMBLY OF A HEADER AND HARVESTING MACHINE

(51) International classification	:F01M9/10	(71) Name of Applicant : 1)CNH Industrial (India) Private Limited Address of Applicant :3rd Floor, ATC Tower, Plot NO. 14A, Sector 18, Gurgaon 122015, Haryana, India Haryana India
(31) Priority Document No	:BR 10 2017 010859-7	(72) Name of Inventor : 1)ANDR% SATOSHI SEKI 2)JO% AUGUSTO MARCOLIN LUCCA 3)CARLOS EDUARDO DE CARVALHO VISCONTI
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a structural set for the assembly of a header intended for harvesters, comprising technical, constructive and functional aspects capable of promoting the tilting adjustment of the header in order to improve the accuracy levels of the angle of attack of the cutting discs during harvesting. More particularly, the present invention refers to a structural set for the assembly of a header in agricultural machines (A) comprising a girder formed by a central beam (11) on which a support (12) is provided for suitable fitting of the structure (4) of the header (P), said central beam (11) being anchored to the chassis (E) of the agricultural machine (A) by means of an actuator device (13) and further connecting at least two support columns (14), which are pivoted on the chassis (E) of said agricultural machine (A) by fastening means (15).

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019258 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONVEYOR ROLLER SET AND HARVESTING MACHINE

(51) International classification	:B24B53/075	(71) Name of Applicant : 1)CNH Industrial (India) Private Limited Address of Applicant :3rd Floor, ATC Tower, Plot NO. 14A, Sector 18, Gurgaon 122015, Haryana. India Haryana India
(31) Priority Document No	:BR 10 2017 010854-6	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention refers to a set of conveyor rollers for application in agricultural machines, especially those of the stalk and tall plants harvester type, whose purpose is that of improving and enhancing state-of-the-art harvesting machines, especially those whose front elements are arranged in an independent front platform. More specifically, the conveyor roller set, object of the present invention, comprises a front aperture (6) for receiving the harvested material (MC) from a platform (P), said set comprising at least one upper roller (20a) and at least one lower roller (20b) disposed in said platform (A), wherein said upper conveyor roller (20a) has a diameter (D) greater than the diameter (d) of said lower conveyor roller (20b). The present invention further relates to a harvesting machine, which is provided with a set of conveyor rollers according to the present invention.



No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023881 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DATABASE BASED REDUNDANCY IN A TELECOMMUNICATIONS NETWORK

(51) International classification	:H04W24/00
(31) Priority Document No	:62/279240
(32) Priority Date	:15/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/013303
Filing Date	:13/01/2017
(87) International Publication No	:WO 2017/123845
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)PARKER, Ronald, M.

2)LOGAN, James, L.

(57) Abstract :

A method includes receiving network element data from a first compute instance that hosts a network element instance. The network element data includes identification and state information associated with the network element instance. The method includes creating a key based on the network element data that includes a network element identifier and a table identifier of a categorization of the state information. The network element identifier is associated with the identification information. The method includes storing the key and state information in a database and determining a failure of the first compute instance. The method includes determining a key associated with the network element identifier of the network element instance and transmitting activation data to a second compute instance. The activation data is associated with instructions to retrieve records associated with the key associated with the first network identifier including state information to recreate the first network element instance.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023897 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PCR REACTION CONTAINER, PCR DEVICE, AND PCR METHOD

(51) International classification :C12M1/00G01N35/08G01N37/00
(31) Priority Document No :2015-235129
(32) Priority Date :01/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/085216
Filing Date :28/11/2016
(87) International Publication No :WO 2017/094674
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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3)GO!FOTON, INC.

(72)Name of Inventor :

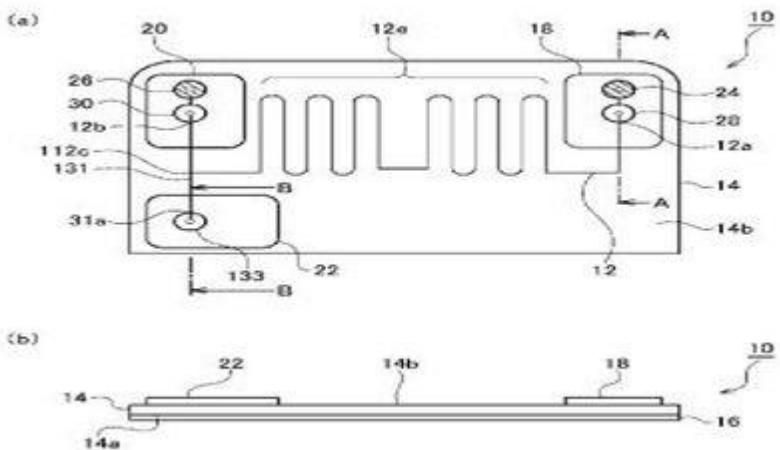
1)FUKUZAWA Takashi

2)NAGAI Hidenori

3)NISHIZAWA Naofumi

(57) Abstract :

A PCR reaction container 10 is provided with a substrate 14, a flow channel 12 formed in the substrate 14, a first filter 28 and a second filter 30 as a pair provided at both ends of the flow channel 12, a first air communicating port 24 and a second air communicating port 26 as a pair communicated with the flow channel 12 through the first filter 28 and the second filter 30, a thermal cycle region 12e formed between the first filter 28 and the second filter 30 in the flow channel 12, a branching point 112c formed between the first filter 28 and the second filter 30 in the flow channel 12, a branching flow channel 131 connected at one end thereof to the branching point 112c, and a sample introduction port 133 formed at the other end of the branching flow channel 131.



No. of Pages : 61 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023901 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PACKING AND COLUMN COMPRISING ONE OR MORE PACKINGS

(51) International classification	:B01D46/24B01J19/32	(71)Name of Applicant :
(31) Priority Document No	:10 2015 122 523.9	1)ELRINGKLINGER AG
(32) Priority Date	:22/12/2015	Address of Applicant :Max-Eyth-Strasse 2 72581 Dettingen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2016/075178	2)ELRINGKLINGER KUNSTSTOFFTECHNIK GMBH
Filing Date	:20/10/2016	
(87) International Publication No	:WO 2017/108233	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)WIDMANN, Katja
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A packing is provided which has higher corrosion resistance, high chemical resistance, low flow resistance and a longer service life in comparison with conventional packings, wherein, to this end, the packing comprises a honeycomb body having first and second end faces, wherein the honeycomb body has a honeycomb structure which has a plurality of flow channels that are arranged substantially in parallel and that are adjacent to each other by means of channel walls and wherein the honeycomb body is made from a first plastic material based on polytetrafluoroethylene (PTFE) polymer material. Furthermore, a column is proposed which comprises a housing that has at least one inlet, at least one outlet and one or more packings according to the invention which are preferably arranged one behind the other in a flow path running from the inlet to the outlet.

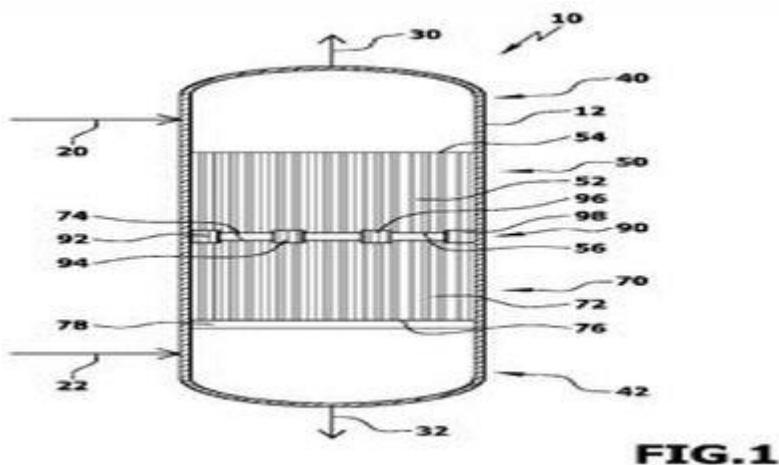


FIG.1

No. of Pages : 26 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023902 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) LEVEL AWARENESS OF HIGH LATENCY DEVICE

(51) International classification :H04W36/00H04W52/02H04W68/00
(31) Priority Document No :62/270318
(32) Priority Date :21/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/068056
Filing Date :21/12/2016
(87) International Publication No :WO 2017/112785
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RASANEN, John Juha, Antero

3)LEIS, Peter

4)CHANDRAMOULI, Devaki

5)MILINSKI, Alexander

6)OETTL, Martin

(57) Abstract :

Systems, methods, apparatuses, and computer program products for providing IMS level awareness of high latency device are provided. One method, when a UE attaches to EPC, receiving, at a network node, an indication that the UE is a high latency device. The method may also include assigning, to the UE, an IP address selected from a special IP address range that is designated specifically for high latency devices. When the UE performs IMS registration, the method may include determining that the UE is a high latency UE based on the UEs IP address provided with the IMS registration request and assigned during the EPC attach procedure.



No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023904 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : VEGETATION MAT USING SHELLS

(51) International classification :A01G1/00A01G13/02A01G9/10
(31) Priority Document No :10-2016-0020690
(32) Priority Date :22/02/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/005725
Filing Date :30/05/2016
(87) International Publication No:WO 2017/146306
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)YEO, Jung Hun

(57) Abstract :

The present invention relates to a vegetation mat using shells, and in order to significantly increase a processing capacity for recycling shells by improving a mat structure, while adding a dehumidifying function for preventing seeds from germinating early during heat retention, moisture retention, nutrition supply, and storage, by recycling shells classified as industrial waste, the vegetation mat using shells consists of a vegetation mat and a pocket net layer (20) as main elements, wherein the vegetation mat is constituted of a water retaining layer (1), a seed layer (2), a seed protecting layer (3), a heat retaining layer (4), and a protecting net (5), and compartments (22) are formed in the pocket net layer (20).



No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023905 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CRYSTALLINE FORMS OF HYDROCHLORIDE SALTS OF THIENOPYRIMIDINE COMPOUND

(51) International classification :C07D495/04C07D403/12C07D403/10
(31) Priority Document No :10-2015-0190853
(32) Priority Date :31/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/015535
Filing Date :30/12/2016
(87) International Publication No :WO 2017/116192
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BAEK, Jong Ouk

2)JEON, Ji Young

3)OH, Hee Sook

4)KIM, Hee Cheol

5)JANG, Sun Young

6)HA, Tae Hee

(57) Abstract :

The present invention relates to a crystalline form of a hydrochloride salt of N-(3-(2-(4-(4-methylpiperazin-1-yl)phenylamino)thieno[3,2-d]pyrimidin-4-yloxy)phenyl)acrylamide, and a pharmaceutical composition containing the same. The crystalline form of the hydrochloride salt of the compound can be easily used for preparing a pharmaceutical composition containing the same as an active ingredient.



No. of Pages : 38 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023906 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TEXTURED WORK ROLL FOR A METAL SUBSTRATE

(51) International classification	:B21B27/00
(31) Priority Document No	:62/265692
(32) Priority Date	:10/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/062087
Filing Date	:15/11/2016
(87) International Publication No	:WO 2017/099957
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)XAVIER, Renato Rufino

2)CARVALHO, Francisco

3)FERREIRA, Adriano Manuel Povoa

(57) Abstract :

A textured work roll can impart a desired texture on a metal substrate, such as an aluminum or aluminum alloy sheet. The textured work roll can be used for applying a gloss finish on the metal substrate. The textured work roll can be textured by grinding the work roll to form a ground work roll; electro-discharge texturing the work roll to form an electro-discharge textured work roll; and polishing the work roll to form a polished work roll. The polished work can have an Ra value between 0.30 µm and 0.70 µm. The polished work roll can be used to apply the gloss finish on the metal substrate.



No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023907 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ACRYLIC COPOLYMER FOR ELECTRODEPOSITION PAINT AND MANUFACTURING METHOD THEREFOR

(51) International classification	:C09D5/44C08F220/06	(71) Name of Applicant : 1)KCC CORPORATION Address of Applicant :344, Sapyeong-daero Seocho-gu Seoul 06608 Republic of Korea
(31) Priority Document No	:10-2015-0189553	
(32) Priority Date	:30/12/2015	
(33) Name of priority country	:Republic of Korea	
(86) International Application No	:PCT/KR2016/015479	(72) Name of Inventor :
Filing Date	:29/12/2016	1)JEONG, Da Eun
(87) International Publication No	:WO 2017/116165	2)PARK, Jong Yun
(61) Patent of Addition to Application Number	:NA	3)KIM, Ji Seung
Filing Date	:NA	4)KIM, Chan Hun
(62) Divisional to Application Number	:NA	5)SEO, Wei Koo
Filing Date	:NA	6)RYU, Chul Hwa

(57) Abstract :

The present invention relates to an acrylic copolymer for an electrodeposition paint and a manufacturing method therefor and, more specifically, to: an acrylic copolymer capable of preventing craters and increasing a paint-coated appearance quality by improving resistance against appearance deterioration due to pollutants when being used for an electrodeposition paint; and a manufacturing method therefor.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023908 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CRYSTALLINE FORMS OF THIENOPYRIMIDINE COMPOUND

(51) International classification	:C07D495/04
(31) Priority Document No	:10-2015-0190854
(32) Priority Date	:31/12/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/015536
Filing Date	:30/12/2016
(87) International Publication No	:WO 2017/116193
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)JUNG, Jae Hyuk

2)BAEK, Jong Ouk

3)JUNG, Sun Young

4)KWAK, Eun Joo

5)KIM, Hee Cheol

6)HA, Tae Hee

(57) Abstract :

The present invention relates to crystalline forms of N-(3-(2-(4-(4-methylpiperazin-1-yl)phenylamino)thieno[3,2-d]pyrimidin-4-yloxy)phenyl)acrylamide, and pharmaceutical compositions containing the same. The crystalline forms can be easily used for the preparation of a pharmaceutical composition containing the same as an active ingredient.



No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023909 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WAVEFORM PEAK DETECTION AND TIMING FOR RADAR APPLICATIONS

(51) International classification :G01S7/292G01S13/44G01S13/88
(31) Priority Document No :14/991435
(32) Priority Date :08/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/051554
Filing Date :30/12/2016
(87) International Publication No :WO 2017/117665
(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)HARVEY, James Francis
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Ontario K0A 1A0 Canada

(72)Name of Inventor :

1)HARVEY, James Francis

(57) Abstract :

Systems, methods, and devices relating to radar and radar- based applications. A number of comparators are coupled in parallel with each comparator comparing an incoming signal and a predetermined value. If the predetermined value is exceeded by the incoming signal, the comparator output is set to trigger a flip flop. The predetermined value changes with each comparator and, with the signal being the radar reflection from a radar pulse, this allows for the detection of the peak value of the incoming signal. The circuit may be extended so that the output of the comparator which is triggered by the highest peak from the incoming signal is latched. Other variants include being able to count the clock cycles before the highest peak is detected within the range cell.



No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024023 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LAYERED CELL CULTURE PARTICLES AND METHODS OF MAKING THEREOF

(51) International classification :C12N1/22C12N5/00
(31) Priority Document No :62/272828
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/069564
 Filing Date :30/12/2016
(87) International Publication No :WO 2017/117559
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)**Name of Inventor :**

1)PHELPS, Mwita

2)GULDE, Paul

3)FIKE, Richard

4)REYNOLDS, Mary

5)HASSETT, Richard

(57) Abstract :

The present invention is directed to dry cell culture media or feeds comprising layered particles. The less stable or sensitive components are separated spatially from reactive components in media, feeds, supplements, or concentrates due to layering. The invention relates to processes for preparing such layered compositions and methods of making cell culture compositions that are stable, thermally, photo-chemically and/or to gamma irradiation. The invention also relates to kits and culture systems using media layered particles.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024024 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTERACTIVE APPLICATION SERVER ON A SECOND SCREEN DEVICE

(51) International classification :H04N21/41H04L29/06H04N21/436
(31) Priority Document No :14/976410
(32) Priority Date :21/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067010
Filing Date :15/12/2016
(87) International Publication No :WO 2017/112527
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)PIERRE, Ludovic

(57) Abstract :

A server version of an interactive application executed by a processing device of a first mobile device communicatively connected to a video rendering device collects first data generated by a first client version of the application executed by the processing device. The server version of the interactive application generates first displayable content relating to the first client version of the interactive application based on the first data, wherein the first displayable content is rendered on a display of the first mobile device. The server version of the interactive application generates second displayable content based at least on the first data and additional data relating to the server version of the interactive application, wherein the first displayable content is different from the second displayable content. The server version of the interactive application, transmits the second displayable content to the main video rendering device to be rendered on a main video display.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024025 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTIVALENT AND MULTISPECIFIC OX40-BINDING FUSION PROTEINS

(51) International classification	:A61K38/16A61K39/395A61K45/06
(31) Priority Document No	:62/277027
(32) Priority Date	:11/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/013070
Filing Date	:11/01/2017
(87) International Publication No	:WO 2017/123673
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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8)PANDIT, Rajay
9)KAPLAN, Mike
10)RASON, Lucas
11)DEVERAUX, Quinn

(57) Abstract :

This invention relates generally to molecules that specifically engage OX40, a member of the TNF receptor superfamily (TNFRSF).
More specifically this invention relates to multivalent and multispecific molecules that bind at least OX40.



No. of Pages : 98 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024026 A

(43) Publication Date : 30/11/2018

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

(51) International classification	:H04W4/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2015/099219
Filing Date	:28/12/2015
(87) International Publication No	:WO 2017/113061
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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518129 China

(72)**Name of Inventor :**

1)GAN, Yuanli

2)HAO, Huaqi

3)WANG, Chenglu

(57) Abstract :

An information processing method and apparatus. The method comprises: acquiring identification information about a first user equipment; determining second shared information, wherein the second shared information contains the identification information and is issued by a second user equipment having an association relationship with the first user equipment; and sending the second shared information to the first user equipment.



No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817024027 A

(19) INDIA

(22) Date of filing of Application :27/06/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : PELLETS USED IN CELL CULTURE AND METHODS OF MAKING THEREOF

(51) International classification :C12N5/00C12N1/22
(31) Priority Document No :62/269031
(32) Priority Date :17/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067374
 Filing Date :16/12/2016
(87) International Publication No :WO 2017/106783
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)PHELPS, Mwita
2)GULDE, Paul
3)FIKE, Richard
4)REYNOLDS, Mary
5)HASSETT, Richard
6)CAMPBELL, Andrew

(57) Abstract :

The present invention is directed generally to dry cell culture media or feeds in pellet formats which can be reconstituted into liquid media for culturing cells in vitro. Each pellet composition may comprise the same or a different composition; for example, different vitamins, amino acids, buffers, trace salts, pH, iron chelators, etc. The invention also relates to methods of making dry cell culture media by altering ratios of different pellet compositions, or, methods of making modular dry cell culture media, or customizing media formulations for growing a cell type using pellets. According to the invention, media pellets may be easier to handle either before reconstitution, during shipping and handling; and/or during reconstitution. Media pellets may be used in any container like bags including sterile, single use bags for preparing media formulations. The invention also relates to kits and culture systems using media pellets.

No. of Pages : 39 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023913 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ENGINEERED NUCLEIC-ACID TARGETING NUCLEIC ACIDS

(51) International classification :C12N15/10C12N15/11C12N15/113
(31) Priority Document No :62/263232
(32) Priority Date :04/12/2015
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/US2016/064860
Filing Date :02/12/2016
(87) International Publication No :WO 2017/096328
(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)CARIBOU BIOSCIENCES, INC.

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(72)Name of Inventor :

1)DONOHOUE, Paul, Daniel

2)MAY, Andrew, Paul

(57) Abstract :

The present disclosure provides engineered polynucleotide sequences that form scaffolds and nucleoprotein complexes comprising such engineered polynucleotide sequences that form scaffolds and nucleic acid binding proteins. Nucleic acid sequences encoding the engineered polynucleotide sequences that form scaffolds, as well as expression cassettes, vectors and cells comprising such polynucleotide sequences, are described. A variety of methods for making and using the engineered polynucleotide sequences that form scaffolds are also disclosed.



No. of Pages : 163 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023914 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : POLYPEPTIDES WITH ENDOGLUCANASE ACTIVITY AND USES THEREOF

(51) International classification :C12N9/24C12N9/42
(31) Priority Document No :62/269678
(32) Priority Date :18/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067223
 Filing Date :16/12/2016
(87) International Publication No :WO 2017/106676
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :925 Page Mill Road Palo Alto,
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(72)Name of Inventor :

1)PANDEY, Neeraj
2)BOTT, Richard R.
3)PRICELIUS, Sina
4)SACHAN, Annapurna
5)SHIPOVSKOV, Stepan
6)SATAPATHY, Ajit

(57) Abstract :

Disclosed herein are cellulase variants, or active fragments thereof, and polynucleotides encoding same, wherein the cellulase variants, or active fragments thereof, hav endoglucanase activity. Also disclosed herein are compositions comprising said cellulase variants, or active fragments thereof; vectors and/or host cells comprising the polynucleotides encoding said cellulase variants, or active fragments thereof; and methods for making and/or using said cellulase variants, or active fragments thereof and/or compositions containing same; wherein said cellulase variants, or active fragments thereof, have endoglucanase activity.



No. of Pages : 52 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023915 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A DYNAMIC MELT CRYSTALLIZATION PROCESS FOR PURIFYING DICYCLOPENTADIENE FROM A MIXED LIQUID HYDROCARBON STREAM

(51) International classification :B01D9/00C07C7/14C07C13/61
(31) Priority Document No :62/277641
(32) Priority Date :12/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/IB2016/001951
 Filing Date :29/12/2016
(87) International Publication No :WO 2017/122040
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

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(72)**Name of Inventor :**

1)SREENIVASAN, P.S.

2)GADGIL, Omkar, D.

3)MAHABALA, P.S.

(57) Abstract :

A dynamic process for purifying dicyclopentadiene from a mixed liquid hydrocarbon stream comprising dicyclopentadiene and one or more of a C5 paraffin, a C5 olefin, co-dimers, cyclopentadiene, benzene, vinyl norbornene, bicyclononadiene, propenyl noibornene, isopropenyl norbornene, methylbicyclononadiene, methyldicyclopentadiene, and various minor organic impurities is introduced, wherein the dicyclopentadiene is separated from the mixed liquid hydrocarbon stream by melt crystallizing sweating and collecting dicyclopentadiene.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023922 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NATURAL COLD-SOURCE HEAT-DISSIPATION SYSTEM FOR VARIOUS DATA EQUIPMENT ROOMS

(51) International classification :F24F5/00F24F13/30F24F11/02
(31) Priority Document No :201510909724.2
(32) Priority Date :10/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/102111
 Filing Date :14/10/2016
(87) International Publication No :WO 2017/097032
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)WANG, Wei

(57) Abstract :

A natural cold-source heat-dissipation system for various data equipment rooms comprises an outdoor condenser (1), an indoor evaporator (2), and a heat superconduction circulation device (3). An outlet of the outdoor condenser (1) is communicated with an inlet of the indoor evaporator (2) by means of the heat superconduction circulation device (3), and an outlet of the indoor evaporator (2) is communicated with an inlet of the outdoor condenser (1) by means of a pipeline, so as to form a sealed circulation system. The sealed circulation system is filled with a heat superconducting material heat-exchange working medium. The outdoor condenser (1) is an air-cooling condenser or a water-cooling condenser.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023923 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BALANCED TYPE DRYING SYSTEM

(51) International classification :F26B9/06F26B25/00F26B21/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No:PCT/CN2015/098133
 Filing Date :21/12/2015
(87) International Publication No :WO 2017/107022
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)**Name of Inventor :**

**1)JIAN, Su
2)DUAN, Yuanmin**

(57) Abstract :

A balanced type drying system comprises a supply and exhaust manifold (201) and at least two sets of drying units. A drying unit comprises a unit air supply blower (104) and a drying box (107) and is provided with a unit air inlet (101) and a unit air outlet (113). The drying box (107) is provided with a drying box air inlet (108) and a drying box air outlet (109). Each set of the drying units is provided on the supply and exhaust manifold (201) in pairs with intervals through the unit air inlet (101) and the unit air outlet (113). The unit air inlet (101) is connected with the drying box air inlet (108). The unit air outlet (113) is connected with the drying box air outlet (109). One end of the supply and exhaust manifold (201) is an air exhaust end and is connected with an air exhaust blower (210) and the other end is an air inlet end. The unit air inlet (101) of the first set of the drying units is close to the air inlet end, and the unit air outlet (113) of the last set of drying units is close to the air exhaust end. In the adjacent two sets of drying units, the unit air outlet (113) of the preceding set of the drying units is connected to the unit air inlet (101) of the latter set of the drying units. The drying system is simple and stable, and is easy for adjustment, with low air exhaust, low energy consumption, no security risks, and low cost.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024028 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTIVALENT AND MULTISPECIFIC 41BB-BINDING FUSION PROTEINS

(51) International classification	:C07K16/28C07K14/705A61K39/395
(31) Priority Document No	:62/277028
(32) Priority Date	:11/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/013040
Filing Date	:11/01/2017
(87) International Publication No	:WO 2017/123650
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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6)RAZAI, Amir S.
7)BECKLUND, Bryan
8)PANDIT, Rajay
9)KAPLAN, Mike
10)RASON, Lucas
11)DEVERAUX, Quinn

(57) Abstract :

This invention relates generally to molecules that specifically engage 41BB, a member of the TNF receptor superfamily (TNFRSF). More specifically, this invention relates to multivalent and multispecific molecules that bind at least 41BB.



No. of Pages : 116 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024029 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMAGING SYSTEMS AND METHODS FOR TISSUE DIFFERENTIATION, E.G., FOR INTRAOPERATIVE VISUALIZATION

(51) International classification	:A61K49/00A61K51/12	(71) Name of Applicant : 1)MEMORIAL SLOAN KETTERING CANCER CENTER Address of Applicant :1275 York Avenue New York, New York 10065 U.S.A.
(31) Priority Document No	:62/267676	2)CORNELL UNIVERSITY
(32) Priority Date	:15/12/2015	(72) Name of Inventor :
(33) Name of priority country	:U.S.A.	1)BRADBURY, Michelle S.
(86) International Application No Filing Date	:PCT/US2016/066969 :15/12/2016	2)YOO, Barney
(87) International Publication No	:WO 2017/106525	3)WIESNER, Ulrich
(61) Patent of Addition to Application Number	:NA	4)CHEN, Peiming
Filing Date	:NA	5)MA, Kai
(62) Divisional to Application Number	:NA	6)PATEL, Snehal G.
Filing Date	:NA	7)ZANONI, Daniella Karassawa
		8)DAYAN, Joseph
		9)ABU-RUSTUM, Nadeem R.

(57) Abstract :

Described herein is a multiplex platform that uses ultrasmall nanoparticles (e.g., C dots and C dots) to graphically differentiate specific nerves (e.g., sensory nerves vs. motor nerves) for nerve transplants and other surgeries. Also described herein is a multiplex platform that uses ultrasmall nanoparticles (e.g., C dots and C dots) to graphically differentiate between different types of lymph nodes and/or lymphatic pathways, e.g., to safely and effectively perform vascularized lymph node transplantation in the treatment of lymphedema. Also described herein is a multiplex platform that uses ultrasmall nanoparticles (e.g., C dots and C dots) to graphically differentiate parathyroid tissue.



No. of Pages : 53 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024033 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PRODUCING HYALURONIDASE CONJUGATE WITH POLYETHYLENEPIPERAZINE DERIVATIVES AND THE USE OF THE CONJUGATE PRODUCED

(51) International classification	:A61K31/787A61K38/43A61K47/59
(31) Priority Document No	:2015152036
(32) Priority Date	:04/12/2015
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2016/000755
Filing Date	:09/11/2016
(87) International Publication No	:WO 2017/095264
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)NEKRASOV, Arkadii Vasilevich

2)KARAPUTADZE, Temuri Musaevich

3)MEDVEDEV, Sergei Alekseevich

4)KOZUKOV, Alexander Vladimirovich

5)KARAPUTADZE, Nino Temurievna

(57) Abstract :

The invention relates to a method for producing immobilised enzymatic preparations, in particular, to production and use of a new active enzyme conjugate with a polymer carrier. The conjugate is characterized by the properties of the drug Longidaza and inhibits connective tissue hyperplasia; it also demonstrates our anti-inflammatory effect and can be used for manufacturing stable, active and safe-to-use sustained-release therapeutic preparations in the form of a suppository, ointment, injection or cosmetic cream, as well as for producing veterinary therapeutic drugs. The method comprises conjugating hyaluronidase with a water-soluble copolymer by methods involving carbodiimides or azides. The conjugation technique employs a copolymer of N-oxide 1,4-ethylene piperazine, (N-carboxymethylmethyl)-1,4-ethylene piperazinium or a hydrazide thereof, and 1,4-ethylene piperazine with the general formula (I), wherein n represents 40% to 90% of the total number of the monomer units, m represents 3% to 40% of the total number of the monomer units, and n+m+1=100%.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024055 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DIFFUSER OF ACTIVE AGENTS SUCH AS INSECTICIDES, PERFUMES, DETERGENTS OR DISINFECTANTS, AND MANUFACTURING PROCESS THEREOF

(51) International classification	:A61L9/12B32B7/06B32B3/30
(31) Priority Document No	:102015000089512
(32) Priority Date	:31/12/2015
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2016/058034
Filing Date	:28/12/2016
(87) International Publication No	:WO 2017/115288
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)DEFLORIAN, Stefano

3)ZOBEL, Franco

(57) Abstract :

Diffuser of an active liquid agent, for the treatment of a fluid environment, be it at the gaseous or liquid state, of the type comprising a container (1) of the active agent, closed by grid means apt to maintain in position said active agent and to allow the emanation of fluids of the same, said grid means being covered by a barrier film, peelable at the time of the first use to make operative said grid means, wherein said container (1) is closed by a single multilayer film (2, 3a, 3b) comprising at least one external barrier layer (3a) and at least another inner sealing layer (2) apt to maintain in position said active agent and to form said grid means, at the time of the first use of the container, following the simultaneous removal of said barrier film and of predefined portions (4) of said sealing layer (2).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024058 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A METHOD AND A SYSTEM FOR MOUNTING A ROTOR TO A DRIVE SHAFT OF A WIND TURBINE

(51) International classification	:F03D1/06B66C1/10B66C1/12
(31) Priority Document No	:PA 2015 70863
(32) Priority Date	:22/12/2015
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2016/050444
Filing Date	:19/12/2016
(87) International Publication No	:WO 2017/108052
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)STORGAARD, Gunnar K.

(57) Abstract :

A method for mounting a rotor to a drive shaft of a wind turbine, the method comprising placing a hub on a surface, attaching a first, a second, and a third rotor blade to the hub to thereby make a rotor in situ. To protect the blades and to avoid fixed lifting lugs on the rotor, the method includes the step of wrapping a sling about each of the blades, attaching each sling to a fitting, lifting each fitting to thereby raise the rotor from the surface, and attaching the rotor to the drive shaft while the position and orientation of the rotor is controlled by the slings.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024059 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVEMENTS RELATING TO A YAW SENSOR FOR A WIND TURBINE

(51) International classification	:F03D7/02F03D17/00
(31) Priority Document No	:PA 2016 70013
(32) Priority Date	:13/01/2016
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2017/050003
Filing Date	:10/01/2017
(87) International Publication No	:WO 2017/121433
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

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2)GREGERSEN, Kristian Kiib

3)OLESEN, Ib Svend

4)NIELSEN, Johnny

(57) Abstract :

A yaw sensor for a wind turbine is described. The yaw sensor comprises a rotary switch, configured to be coupled to a yaw drive gearbox of a wind turbine nacelle, the rotary switch being operable to activate and deactivate an electrical contact in dependence on an amount of yaw rotation of the nacelle relative to a start position. The electrical contact is active at a plurality of first yaw rotation ranges with respect to the start position, and inactive at a plurality of second yaw rotation ranges with respect to the start position, the first and second yaw rotation ranges being interleaved, at least some of the first yaw rotation ranges having different lengths from each other and/or at least some of the second yaw rotation ranges having different lengths from each other. The electrical contact generates an electrical signal when active.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024060 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GUARD PERIOD BETWEEN SUBFRAME PORTIONS OF SAME LINK DIRECTION IN WIRELESS NETWORKS

(51) International classification :H04W72/04H04L1/16H04L1/18
(31) Priority Document No :PCT/EP2016/050947
(32) Priority Date :19/01/2016
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2016/050947
Filing Date :19/01/2016
(87) International Publication No:WO 2017/125129
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)HAKOLA, Sami-Jukka
2)TIROLA, Esa Tapani
3)LAHETKANGAS, Eeva
4)PAJUKOSKI, Kari Pekka**

(57) Abstract :

A technique may include sending, by a base station to at least one user device, a signal indicating a configuration of at least one guard period, wherein the at least one guard period is provided between subframe portions of a same link direction. According to an example implementation, the at least one guard period may include one or more of: at least one first guard period provided between subframe portions of a same link direction within a subframe, and at least one second guard period provided between subframe portions of a same link direction of different subframes.



No. of Pages : 33 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024069 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR IMAGE ENHANCEMENT OF VIRTUAL REALITY IMAGES

(51) International classification :G06T19/00G06T5/00G06T3/00
(31) Priority Document No :62/262434
(32) Priority Date :03/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2016/014093
 Filing Date :02/12/2016
(87) International Publication No :WO 2017/095179
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)**Name of Inventor :**

1)NAJAF-ZADEH, Hossein

2)BUDAGAVI, Madhukar

3)SAXENA, Ankur

(57) Abstract :

A user equipment (UE) includes a receiver, at least one sensor, and a processor. The receiver is configured to receive a signal comprising at least one encoded image and metadata for the at least one encoded image. The sensor is configured to determine viewpoint information of a user. The processor is configured to render the at least one encoded image based on the metadata and the viewpoint information.



No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024078 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DISPLAY APPARATUS AND METHOD FOR CONTROLLING DISPLAY APPARATUS

(51) International classification :H04N21/422H04N21/443H04W48/16
(31) Priority Document No :10-2015-0181953
(32) Priority Date :18/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/014245
Filing Date :06/12/2016
(87) International Publication No :WO 2017/105021
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)YANG, Geun-sam

2)LEE, Seung-bok

(57) Abstract :

A display apparatus and method for controlling a display apparatus is capable of controlling a screen of the display apparatus using a remote controller according to a standard of Bluetooth low energy (BLE) are provided. The display apparatus and method for controlling a display apparatus is capable of controlling a screen of the display apparatus using an internal sensor in a remote controller according to a standard of Bluetooth low energy (BLE).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024085 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR CHECKING A SAFETY RATING OF A FIRST DEVICE WITH THE AID OF A DIGITAL CERTIFICATE, FIRST AND SECOND DEVICE, AND CERTIFICATE ISSUING MEANS

(51) International classification :H04L29/06G06F21/33G06F21/44
(31) Priority Document No :10 2016 200 382.8
(32) Priority Date :14/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/082310
Filing Date :22/12/2016
(87) International Publication No :WO 2017/121602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)FALK, Rainer

2)FRIES, Steffen

(57) Abstract :

The invention relates to a method for checking a safety rating of a first device (11) with the aid of an associated digital certificate, comprising the steps: sending (2) the digital certificate having an identifier of a safety rating (31) from the first device (11) to a second device (12), checking (3) the identifier of the safety rating (31) with respect to a predefined safety rule by means of the second device (12), executing (4) safety measures in accordance with the result of checking the safety rules.



No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023929 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TWO-PACKAGE CURABLE SOLVENT-FREE ADHESIVE FOR LAMINATES AND RESIN CURED PRODUCT

(51) International classification	:C09J175/04	(71) Name of Applicant :
(31) Priority Document No	:2016-030406	1)MITSUI CHEMICALS, INC.
(32) Priority Date	:19/02/2016	Address of Applicant :5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo 1057122 Japan
(33) Name of priority country	:Japan	(72) Name of Inventor :
(86) International Application No	:PCT/JP2017/005657	1)NAKAGAWA, Junichi
Filing Date	:16/02/2017	2)IMAI, Akihiro
(87) International Publication No	:WO 2017/142008	3)ANDO, Kazuhiko
(61) Patent of Addition to Application Number	:NA	4)NAKAGAWA, Toshihiko
Filing Date	:NA	5)MORITA, Hirokazu
(62) Divisional to Application Number	:NA	6)YAMASAKI, Satoshi
Filing Date	:NA	

(57) Abstract :

A two-component curable solventless-type laminate adhesive contains a polyisocyanate component and a polyol component. The polyisocyanate component contains a derivative of a pentamethylene diisocyanate, the derivative of the pentamethylene diisocyanate contains an isocyanurate group and an allophanate group, and the content ratio of the isocyanurate group with respect to 100 moles of the total amount of the isocyanurate group and the allophanate group is 60 moles or more and 99 moles or less.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023930 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ABSORBENT ARTICLE

(51) International classification :A61F13/49A61F13/496A61F13/56
(31) Priority Document No :2015-256837
(32) Priority Date :28/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/080800
Filing Date :18/10/2016
(87) International Publication No :WO 2017/115529
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SAITO, Kyota

2)CHANGCHAROEN, Jirapa

3)PICHADKITJAWAT, Sarinee

(57) Abstract :

There is provided an absorbent article including: a front waist portion, a back waist portion, and a crotch portion. The front waist portion (30) and the back waist portion (20) each include elastic regions X and Y extending along the lateral direction. a one-side end portion of the back waist portion (20) on a one side in the lateral direction is joined by a first joining portion (1b) to a one-side end portion of the front waist portion (30) on the one side in the lateral direction. An other-side end portion (200) of the back waist portion (20) on an other side in the lateral direction is joined by a second joining portion (2b) to a fastening member (40), and the fastening member (40) has a fastening portion (41) being capable of being fastened to the front waist portion (30) when putting on the absorbent article. While the front waist portion (30) and the back waist portion (20) being stretched in the lateral direction, the lateral distance (L6) of the front waist portion (30) from the lateral center (AC) of the absorbent main body (10) to a lateral end (30er) of the front waist portion (30) on the other side is smaller than the lateral distance (L8) of the back waist portion (20) from the lateral center (AC) of absorbent main body (10) to a lateral end (20er) of the back waist portion (20) on the other side.



No. of Pages : 34 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817023931 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PRODUCING 1-CHLORO-2,3,3,3-TETRAFLUOROPROPENE

(51) International classification :C07C17/25C07C17/04C07C19/10
(31) Priority Document No :2015-254136
(32) Priority Date :25/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/088052
Filing Date :21/12/2016
(87) International Publication No :WO 2017/110851
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)TANIGUCHI Tomoaki

2)FURUTA Shoji

3)SHIOTA Hidefumi

(57) Abstract :

There is provided an economically advantageous manufacturing method capable of efficiently obtaining 1-chloro-2,3,3,3-tetrafluoropropene by using 1,2-dichloro-2,3,3,3-tetrafluoropropane as a raw material. A manufacturing method of 1-chloro-2,3,3,3-tetrafluoropropene is characterized in that it includes subjecting 1,2-dichloro-2,3,3,3-tetrafluoropropane to a dehydrochlorination reaction in a liquid phase in a presence of a base.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024009 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GRIZZLY DEVICE AND MAIN ASH DISCHARGE SYSTEM

(51) International classification :B07B1/14B07B1/12B07B1/46
(31) Priority Document No :2015-253123
(32) Priority Date :25/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/005049
Filing Date :02/12/2016
(87) International Publication No :WO 2017/110051
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)ITO, HIROSHI

6)MASHIO, KEIICHI

7)AOYAGI HIROSHI

8)KAWANA, TAKESHI

9)YAMASHITA, AKIRA

10)OKADA, RYUTARO

11)TSUNEMORI KEITA

(57) Abstract :

A grizzly device is provided with a plurality of grizzly bars arranged at a prescribed interval in a second direction orthogonal to a first direction, which is a direction in which an axial center extends, and at least one guide provided above the plurality of grizzly bars and extending in the first direction. Each of the plurality of grizzly bars rotates in a direction reverse of the adjacent grizzly bars such that a slit through which material to be sifted passes and gaps through which material to be sifted does not pass appear alternately between the adjacent grizzly bars. The guide is constituted of an outer shell member for forming an outer shell and a reinforcing member provided in a space formed by the outer shell member to give rigidity for maintaining the shape of the outer shell member, and has at least one guide surface inclined with respect to the second direction so as to fall with progress along the second direction towards the slit to guide the material to be sifted that has fallen down to the slit.



No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024086 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A QUELATING AGENT

(51) International classification :A01N47/00C07F15/02C07C227/14
(31) Priority Document No :15382657.3
(32) Priority Date :22/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/082067
Filing Date :21/12/2016
(87) International Publication No :WO 2017/108884
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)VICENTE MATILLA, Rebeca

2)BLASCO BARRIO, Jos© Mara

(57) Abstract :

It is provided a compound of formula (I); wherein R5 is selected from the group consisting of -H, -OM, -COOM, -NH2, -SO3M, (C1-C4)alkyl, and halogen; and A is a radical having at least 3 C atoms selected from the group consisting of: i) a radical of formula (i) wherein R7 is selected from the group consisting of -OM, and -COOM, and n is 0, 1 or 2; and ii) a radical of formula (ii) or of formula (iii) wherein R8 is selected from the group consisting of -H, (C1-C4)alkyl; and wherein M is independently selected from the group consisting of H, an alkaly metal, and NH4+. It is also provided a process for the preparation thereof, a composition comprising it, and its use for correcting deficiencies of metals in plants.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024087 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE AND METHOD FOR PRODUCING A CHAMFER ON A TOOTHED WORKPIECE WHEEL

(51) International classification :B23F5/16B23F17/00B23F19/10
(31) Priority Document No :10 2015 121 821.6
(32) Priority Date :15/12/2015
(33) Name of priority country :Germany
(86) International Application No:PCT/EP2016/080963
 Filing Date :14/12/2016
(87) International Publication No :WO 2017/102824
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SOBCZYK, Marcel

(57) Abstract :

The invention relates to a method for producing a toothed workpiece wheel (7), the tooth root (11) of which adjoins an end face (12) of the workpiece wheel (7) with a chamfer (13) extending into the tooth flanks (11, 11) being formed, wherein the toothing of the workpiece wheel (7) is created by skiving with a gear-cutting tool (1) which has a first number (N) of cutting teeth (3) that each form cutting edges (4) and the rotation axis (2) of which is at a first crossed-axes angle (α) to the axis of rotation (8) of the workpiece wheel (7), with an infeed in a first infeed direction (V) parallel to the direction of extension of the tooth flanks (11, 11) to be produced and of the tooth root (11). The chamfer (13) is created by skiving with a chamfering tool (14) which has a second number (N2) of cutting teeth (16) that each form cutting edges (17, 17, 17) and the rotation axis of which (15) is at a second crossed-axes angle ($\alpha2$) to the axis (8) of the workpiece wheel (7), with an infeed in a second infeed direction (V2) parallel to the direction of extension of the chamfer (13) to be produced in the tooth root (11). The invention also relates to an associated tool set. Main figure:



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024088 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND DEVICE FOR ACQUIRING USER PORTRAIT

(51) International classification	:G06F17/30
(31) Priority Document No	:201610284124.6
(32) Priority Date	:29/04/2016
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/081928
Filing Date	:25/04/2017
(87) International Publication No	:WO 2017/186106
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)LU, Mengping

(57) Abstract :

The present invention relates to the technical field of information processing. A method and device for acquiring a user portrait. The method comprises: acquiring M training samples according to a user behavior log, wherein the training samples are used to reflect a difference in the degree of preference of a user u with respect to an item i and an item j, and the M is a positive integer (101); according to the M training samples, modifying an initialized user parameter matrix Wm —k and a label parameter matrix Hk —n by using a data fitting model, so as to obtain a final user parameter matrix Wm —k and a final label parameter matrix Hk —n (102); and acquiring a user image matrix Pm —n (103) according to the final user parameter matrix Wm —k and the final label parameter matrix Hk —n. By parameterizing the user and the label, and by modifying a user parameter matrix and a label parameter matrix by using a data fitting model, the matrices fit the training samples without having to manually set a corresponding label weight for the label. A user portrait is automatically acquired by using a data fitting method according to the user behavior logs, so as to achieve the technical effects of saving time and labor costs, and accurately and efficiently acquiring the user portrait.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024010 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PACKAGING ASSEMBLY

(51) International classification	:A61M5/00
(31) Priority Document No	:15197097.7
(32) Priority Date	:30/11/2015
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2016/079040
Filing Date	:28/11/2016
(87) International Publication No	:WO 2017/093200
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)KIETZMANN, Hardy

2)LUCK, Fred

3)RIEBEL, Stefan

(57) Abstract :

A packaging assembly comprises a case configured to at least partially contain a plurality of injection devices for delivering a medicament; a light sensor configured to detect light incident on the packaging assembly; and a status indicator configured to generate an output which indicates a status of the packaging assembly conditional on an intensity of light detected by the light sensor exceeding a threshold light intensity.



No. of Pages : 53 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024011 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INFRARED-TRANSPARENT POROUS POLYMER TEXTILE FOR HUMAN BODY COOLING AND HEATING

(51) International classification :A41D13/002D01F6/04D01F6/62
(31) Priority Document No :62/296549
(32) Priority Date :17/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/018420
Filing Date :17/02/2017
(87) International Publication No :WO 2017/143222
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

- 1)CUI, Yi
- 2)FAN, Shanhui
- 3)HSU, Po-Chun
- 4)SONG, Alex Yu
- 5)CATRYSSE, Peter B.
- 6)PENG, Yucan

(57) Abstract :

A method of regulating a temperature of a human body includes: (1) providing an article of clothing including a textile, wherein the textile includes at least one porous layer including a polyolefin; and (2) placing the article of clothing adjacent to the human body. The porous layer has pores having an average pore size in a range of 50 nm and 1000 nm.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024012 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PACKAGING ASSEMBLY WITH MOUNTING ATTACHMENT

(51) International classification	:A61M5/00
(31) Priority Document No	:15197096.9
(32) Priority Date	:30/11/2015
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2016/079039
Filing Date	:28/11/2016
(87) International Publication No	:WO 2017/093199
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)SANOFI-AVENTIS DEUTSCHLAND GMBH

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(72)**Name of Inventor :**

1)KIETZMANN, Hardy

2)LUCK, Fred

3)RIEBEL, Stefan

(57) Abstract :

A packaging assembly comprises a case configured to hold at least one injection device for delivering a medicament; and a mounting attachment configured to be attached to the case. The case comprises one or more magnets for attaching the mounting attachment to the case, and an external face of the case is formed having a recess configured to receive at least part of the mounting attachment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024013 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DENSE DATA ACQUISITION, STORAGE AND RETRIEVAL

(51) International classification :G01V1/22G06F9/44G08B26/00
(31) Priority Document No :62/341938
(32) Priority Date :26/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2017/016833
 Filing Date :09/02/2017
(87) International Publication No :WO 2017/204866
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**

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PA 15217 U.S.A.

(72)**Name of Inventor :**

1)NOURBAKHSH, Illah

2)BARTLEY, Christopher

3)SCHAPIRO, Joshua

(57) Abstract :

Systems and method implement end-to-end capture of data fluents, the treating of said data locally, transmission of the data to a scalable server infrastructure, and retrieval and visualization of the data in a computationally efficient manner. Data is retrieved using a local electronic device that immediately time stamps data values and stores the values on a local buffer in order to compensate for any wireless signal vagaries. Local wireless configuration of the device consists of wireless-based configuration interactive menus, enabling high ease- of-use during setup and administration. Data is then communicated during times of Internet connectivity to an online data storage repository. The online data repository, in turn, resamples the incoming data across temporal resolutions to aggregate efficiently for data visualization at any temporal resolution downstream, then provides data retrieval services for Internet-based visualization algorithms that request and serve data at appropriate resolutions for user need.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024016 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND METHOD FOR CONTROLLING CIRCUIT BREAKER FOR STATIC SYNCHRONOUS COMPENSATOR

(51) International classification	:H02H7/04H02J3/18G05F1/70
(31) Priority Document No	:10-2015-0190337
(32) Priority Date	:30/12/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/006636
Filing Date	:22/06/2016
(87) International Publication No	:WO 2017/115951
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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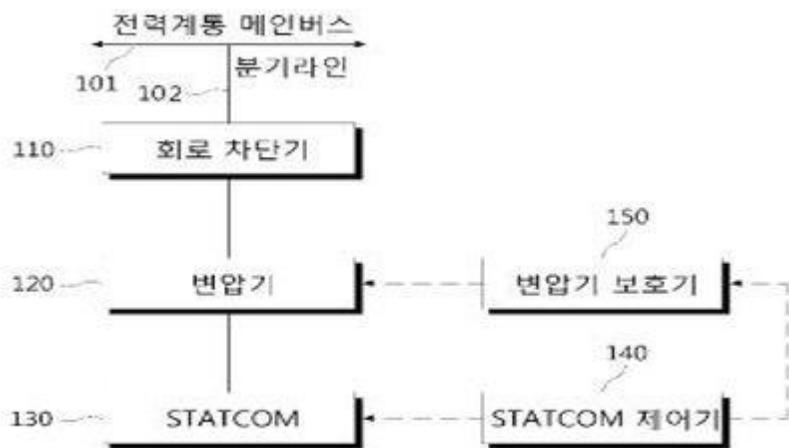
(72)Name of Inventor :

1)NO, Jae Keun

2)KO, Chol Jin

(57) Abstract :

The present invention relates to an apparatus and method for controlling a circuit breaker for a static synchronous compensator (STATCOM) such that the circuit breaker installed in a branch line for the STATCOM is operated according to the current control characteristics of the STATCOM. An apparatus for controlling a circuit breaker for a STATCOM according to an embodiment of the present invention is an apparatus for controlling a circuit breaker for a STATCOM, installed in a STATCOM-dedicated branch line branched from a main bus of a power system, the apparatus comprising: a transformer protector for detecting the differential current between primary current and secondary current of a transformer connected in series to the circuit breaker in the branch line, and controlling the opening/closing of the circuit breaker; and a STATCOM controller for controlling an operation of the STATCOM, wherein the STATCOM controller outputs, to the transformer protector, an opening suspension signal for suspending the opening of the circuit breaker when overvoltage occurring in the STATCOM is detected, and the transformer protector suspends output of a circuit breaker opening signal to the circuit breaker according to the received opening suspension signal.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024090 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AIR INFLOW CONTROL SYSTEM FOR AN ACTIVE GRILLE SHUTTER

(51) International classification	:B60K11/08
(31) Priority Document No	:1650439
(32) Priority Date	:20/01/2016
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2017/050112
Filing Date	:19/01/2017
(87) International Publication No	:WO 2017/125686
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)HERLEM, Jean-Paul

(57) Abstract :

The invention relates to an air inflow control system for an active grille shutter, comprising: a frame (101) comprising at least one recess (104, 107); a louvre (102, 106) having a louvre rotary shaft, said louvre rotary shaft being designed to be installed in the recess (104, 107), whereby the louvre can be rotated about the rotary shaft and placed in an open position and a closed position; and a mechanical part (201) adapted to maintain the rotary shaft in the recess (104, 107) when the mechanical part (201) is secured to the frame (101). The mechanical part (201) comprises a stop element (202, 203), said louvre (102, 106) being positioned against the stop element when the louvre (102, 106) is in the open position.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024093 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REDUCTION OF ERYTHROCYTE SEDIMENTATION RATE

(51) International classification :G01N15/04G01N33/80
(31) Priority Document No :62/264786
(32) Priority Date :08/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/065198
 Filing Date :06/12/2016
(87) International Publication No :WO 2017/100212
(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)BIOMATRICA, INC.

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(72)Name of Inventor :

1)DESHARNAIS, Joel

2)ARENKT, Victoria

3)MATTMANN, Margrith

(57) Abstract :

The present invention relates to reduction of erythrocyte sedimentation rate in a blood sample. In particular, formulations, compositions, articles of manufacture, kits and methods for reduced erythrocyte sedimentation rate in a blood sample are provided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024098 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LIQUID REMOVAL APPARATUS AND LIQUID REMOVAL METHOD

(51) International classification	:C23G3/00
(31) Priority Document No	:2016-066122
(32) Priority Date	:29/03/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/012951
Filing Date	:29/03/2017
(87) International Publication No	:WO 2017/170714
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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- 1)TAYA, Takao**
- 2)KATO,Hiroyuki**
- 3)KIYOSUE,Takanori**
- 4)YAMADA,Yoshihiro**

(57) Abstract :

[Problem] To provide a liquid removal apparatus capable of removing a liquid on a steel sheet without using wringer rolls and a dryer.

[Solution] This liquid removal apparatus removes liquid on the surface of a plate-like member moving relatively. The liquid removal apparatus is provided with: a slit nozzle which sprays gas onto the surface of the plate-like member; and a gap measurement device which measures the gap between the spray opening of the slit nozzle and the plate-like member. The slit nozzle is disposed so as to spray the gas from a downstream side towards an upstream side in the moving direction of the plate-like member moving relative to the slit nozzle. The spray angle θ , the angle β of inclination of a back surface, the length L of the nozzle back surface, the gap h, the width d of a slit and the nozzle pressure P_n of the slit nozzle satisfy a relational expression.



No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024099 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HIGH STRENGTH HOT-DIP GALVANIZED STEEL SHEET WITH EXCELLENT IMPACT PEEL RESISTANCE AND WORKED SECTION CORROSION RESISTANCE

(51) International classification :C23C2/06C21D9/46C22C38/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No:PCT/JP2016/055635
 Filing Date :25/02/2016
(87) International Publication No :WO 2017/145329
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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2)KAWATA, Hiroyuki
3)YAMAGUCHI, Yuji
4)KOMAMI, Ryosuke
5)UCHIDA, Satoshi
6)MURASATO, Akinobu**

(57) Abstract :

A high strength hot-dip galvanized steel sheet having a hot-dip galvanized layer on a base steel sheet with a tensile strength of at least 590 MPa, characterized in that: the plated layer comprises an alloy protrusions layer that contacts the base steel sheet; the density of protrusions of the alloy protrusions layer per unit length of the interface between the base steel sheet and the plated layer when viewed from a cross-sectional direction is at least 4/mm; the maximum diameter in the alloy protrusions layer at said interface is not more than 100 μm ; the base steel sheet comprises a refined layer that directly contacts the interface between the base steel sheet and the plated layer, a decarburized layer that contacts the refined layer and is present towards the interior of the base steel sheet, and an internal layer other than the refined layer and the decarburized layer; and the refined layer, decarburized layer and alloy protrusions layer have at least one kind of oxide of Si and Mn within the layers.



No. of Pages : 48 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024100 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DISTRIBUTION OF REACTANT SOLUTION IN A FUEL CARTRIDGE

(51) International classification	:C01B3/08
(31) Priority Document No	:1650014-2
(32) Priority Date	:05/01/2016
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2016/051293
Filing Date	:20/12/2016
(87) International Publication No	:WO 2017/119840
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)GLANTZ, Michael

2)WESTERHOLM, Bjrn

(57) Abstract :

The invention relates to a fuel cartridge (200) and comprises a reactor compartment (204) housing a reactive material in which an aqueous solution having a pH in the range 12,5 to 14 can be introduced to react with the reactive material to generate hydrogen gas. There is an inlet to said reactor compartment (204) for said aqueous solution and an outlet (216) for hydrogen gas. A porous and hydrophilic film (220) is provided in the reactor compartment at said inlet and having an extension over at least a part of the inner space of the reactor compartment. The film is adapted to convey said aqueous solution by capillary force to distribute the solution over the inside of said reactor chamber. The film is suitably provided against an inner wall of the reactor compartment and covers at least 50% of the inner wall, preferably the entire inner wall.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024101 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OIL GEL FOR ASPHALT MODIFICATION AND REJUVENATION

(51) International classification :C08L53/02C08L95/00C09D195/00
(31) Priority Document No :14/984842
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/068710
Filing Date :27/12/2016
(87) International Publication No :WO 2017/117127
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)PUCHALSKI, Sebastian

2)KLUTTZ, Robert, Q.

3)LUBBERS, Christopher, M.

(57) Abstract :

The present invention is an asphalt rejuvenator made from a specific styrenic block copolymer, bio-based oil or a bio-based oil blend, and an antioxidant system. The bio-based oil or a bio-based oil blend has a flash point of > 230°C, and the asphalt rejuvenator has a maximum viscosity of < 2000 cP at 180°C when measured at 6.8/seconds shear rate. An alternate embodiment of the present invention is a pavement composition of RAP and/or RAS, asphalt rejuvenator, and virgin asphalt with and without a crosslinker. Lastly, the invention includes a method of making an asphalt rejuvenator composition referred to above, and blending it with RAP and fresh asphalt. An emulsion is also described and claimed comprising asphalt rejuvenator, water and an emulsifier.



No. of Pages : 32 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024102 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ELECTRONIC CIRCUIT FOR CONTROLLING CHARGING OF A PIEZOELECTRIC LOAD

(51) International classification	:H01L41/04G02B26/08
(31) Priority Document No	:16150334.7
(32) Priority Date	:06/01/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/050267
Filing Date	:06/01/2017
(87) International Publication No	:WO 2017/118732
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SVORTDAL, Tore

(57) Abstract :

The invention relates to an electronic circuit (100) for controlling charging of a piezoelectric load (190). The electronic circuit comprises a charge pump (111) configured to supply a charging current to the piezoelectric load dependent on a charge control signal (131), a measurement circuit (113) configured to obtain a load voltage corresponding to a terminal voltage at a load terminal of the piezoelectric load, a comparator circuit (114) configured to compare an adjustable reference voltage with the load voltage. The electronic circuit is configured to determine the charge control signal dependent on the comparison so that the control signal controls delivery of the charging current dependent on the comparison. The electronic circuit is further configured to set the adjustable reference voltage to a target voltage (VT) and to set the adjustable reference voltage to a low limit voltage (Vlow), being lower than the target voltage, when the load voltage reaches the target voltage.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024103 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FUEL CARTRIDGE

(51) International classification	:C01B3/08C01B3/06H01M8/0606
(31) Priority Document No	:1650015-9
(32) Priority Date	:05/01/2016
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2016/051292
Filing Date	:20/12/2016
(87) International Publication No	:WO 2017/119839
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)GLANTZ, Michael

2)WESTERHOLM, Bjrn

3)OLSSON, Henrik

4)MCGEE, Sean

(57) Abstract :

The invention relates to a novel fuel cartridge for providing hydrogen gas on the basis a reactant system. Thus, a fuel cartridge for a fuel cell device, comprises a reactor compartment for storing a first reactant, a water compartment for storing water. It has a mixing compartment (106)containing a water soluble second reactant, and a fluid communication means (114) between the mixing compartment (106) and the reactor compartment (102) adapted to pass second reactant dissolved in water to the reactor compartment (102),in which the dissolved second reactant can react with the first reactant to generate a gas. Suitably, the fuel cartridge comprises an interface connectable to a water control mechanism disposed outside the cartridge, the water control mechanism configured to control a flow of the water between the water compartment and the mixing compartment such that the water mixes with and dissolves the second reactant in the mixing compartment.



No. of Pages : 7 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024104 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE FOR TREATMENT OF SLEEP DISORDERS

(51) International classification :A61F5/56A61F5/055A61M16/06
(31) Priority Document No :4911/MUM/2015
(32) Priority Date :29/12/2015
(33) Name of priority country :India
(86) International Application No :PCT/IB2016/058005
Filing Date :26/12/2016
(87) International Publication No :WO 2017/115266
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)VAIDYA, Hrushikesh

(57) Abstract :

Method and devices for aiding in preventing obstructive sleep apnea are disclosed. In one aspect a device for aiding in preventing of obstructive sleep apnea is disclosed. The device may include a chin attachment member including a coupling to couple to an underside of a chin of a patient, a jaw support shaped to engage a jaw of the patient and having at least one locking member, and a body support shaped to rest on a chest of the patient. The coupling may an adhesive surface of the chin attachment member. Some embodiments may include a connection member, the connection member coupling the jaw support to the body support. The connection member may be a spring. In some embodiments, the connection member may be rigid.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024106 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PLATFORM ARRANGEMENT FOR OFFSHORE ENERGY EXPLOITATION

(51) International classification :E02B17/02E02D27/00E21B43/00
(31) Priority Document No :20151679
(32) Priority Date :08/12/2015
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2016/050250
Filing Date :30/11/2016
(87) International Publication No :WO 2017/099605
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HAUGVALDSTAD, J, rn

(57) Abstract :

A platform arrangement (1) for offshore energy exploitation comprising an elongated structure (3) with a base portion (5) and a top portion (7). The base portion is adapted to be anchored in the seabed of the sea so that the elongated structure extends away from the seabed towards the surface of the sea. The top portion is adapted to hold process equipment (11) for said exploitation. The arrangement further comprises a plurality of pipes (12) for the operation of the exploitation extending from the base portion to the top portion of the structure. The structure comprises an outer casing (50) and an inner casing (52) arranged so that an outer space (54) is formed between the outer casing and the inner casing. The plurality of pipes are arranged so that they extend in said outer space from the base portion to the top portion of the structure.



No. of Pages : 12 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024107 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRANSDERMAL MICRONEEDLE DRUG DELIVERY DEVICE AND METHOD

(51) International classification :A61M37/00A61K31/167A61K9/00
(31) Priority Document No :62/272320
(32) Priority Date :29/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/051529
Filing Date :22/12/2016
(87) International Publication No :WO 2017/113011
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KULKARNI, Gajanan

(57) Abstract :

A transdermal drug delivery device comprises: a reservoir for holding a drug; and at least one microneedle in fluid communication with the reservoir through which the drug can be delivered transdermally, wherein the transdermal drug delivery device is concealed from view during operation thereof.



No. of Pages : 33 No. of Claims : 164

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024108 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE, SYSTEM AND METHOD FOR NON-INVASIVE MONITORING OF PHYSIOLOGICAL MEASUREMENTS

(51) International classification	:A61B5/00A61B5/145	(71) Name of Applicant : 1)WEAR2B LTD Address of Applicant :P.O Box 143 ZHR Industrial Zone 12000 Rosh Pina Israel
(31) Priority Document No	:62/273517	
(32) Priority Date	:31/12/2015	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/IL2016/051386	(72) Name of Inventor :
Filing Date	:28/12/2016	1)BASHAN, Ohad
(87) International Publication No	:WO 2017/115361	2)BASHAN, Oded
(61) Patent of Addition to Application Number	:NA	3)KLEIN, Aharon
Filing Date	:NA	4)DEKEL, Ben Zion
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

System and method for non-invasive monitoring of physiological measurements of a subject, including at least one monitoring device, to detect changes in measured physiological signals, the monitoring device including at least one measuring unit, wherein each measuring unit includes: at least two light emitting sources, and at least one sensor, to detect light beams emitted from the at least two light emitting source, and a computerized device, in communication with the at least one monitoring device, the computerized device to receive data from monitoring device, wherein the monitoring device is configured to be removably attachable to the subjects body.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024109 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL CRYSTALLINE FORM OF DICLOSULAM, PROCESS FOR ITS PREPARATION AND USE

(51) International classification :C07D487/04A01N43/90A01P13/00
(31) Priority Document No :14/989992
(32) Priority Date :07/01/2016
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/CN2017/070460
Filing Date :06/01/2017
(87) International Publication No :WO 2017/118419
(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)JIANGSU ROTAM CHEMISTRY CO., LTD

Address of Applicant :No. 88 Rotam Road, ETDZ Kunshan, Jiangsu 215301 China

(72)Name of Inventor :

1)BRISTOW, James Timothy

(57) Abstract :

Disclosed is a crystalline form of diclosulam of formula (I), the crystal preparation process, the analyses of the crystal through various analytical methods, the use of the crystal to prepare stable agrochemical formulation and the use of various solvents towards the crystalline form preparation conditions.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024114 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL METHOD FOR AVOIDING EXPENSIVE SOUR WATER STRIPPER METALLURGY IN A GASIFICATION PLANT

(51) International classification	:C10J3/20C10J3/72	(71) Name of Applicant : 1)FLUOR TECHNOLOGIES CORPORATION Address of Applicant :1 FLUOR DANIEL DRIVE SUGAR LAND, TEXAS 77478 U.S.A.
(31) Priority Document No	:14/990646	
(32) Priority Date	:07/01/2016	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2016/013705	(72) Name of Inventor :
Filing Date	:15/01/2016	1)RAVIKUMAR, Ravi
(87) International Publication No	:WO 2017/119914	2)GOODMAN, Patrick
(61) Patent of Addition to Application Number	:NA	3)DABEE, Sanjiv
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of producing syngas comprising receiving raw syngas from a gasification unit; introducing the raw syngas and water to a syngas scrubber to produce unshifted syngas; introducing a first portion of unshifted syngas to a first cooling unit to produce cooled unshifted syngas and a first aqueous condensate comprising cyanide in an amount of 5-200 ppmw; recycling the first aqueous condensate to the syngas scrubber; introducing a second portion of unshifted syngas to a water gas shift unit to produce shifted syngas; introducing the shifted syngas to a second cooling unit to produce cooled shifted syngas and a second aqueous condensate comprising cyanide in an amount of less than 2.5 ppmw; contacting the cooled shifted syngas with the cooled unshifted syngas to produce modified syngas; and introducing the second aqueous condensate to a sour water stripper to produce stripped water and an acid gas comprising H2S, CO2, and ammonia.



No. of Pages : 30 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024121 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD, APPARATUS AND SYSTEM FOR CONTROLLING SMART DEVICE, AND STORAGE MEDIUM

(51) International classification :G05B15/02G05B19/418H04L9/32
(31) Priority Document No :201610272026.0
(32) Priority Date :27/04/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/105292
Filing Date :10/11/2016
(87) International Publication No :WO 2017/185711
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED

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(72)**Name of Inventor :**

**1)LIU, Wenqing
2)SHEN, Zixi
3)WANG, Qiang**

(57) Abstract :

A method, an apparatus and a system for controlling a smart device, relating to the technical field of computers. The method comprises: a first terminal device sending a control request corresponding to a first smart device to a server, the control request carrying an identifier of the first smart device (101); receiving a first verification character string that is sent by the server and corresponds to the control request (102); sending the first verification character string to a first wearable device that establishes a data connection to the first terminal device locally (103); receiving first signed information which is sent by the first wearable device and obtained by signing first to-be-signed information, wherein the first to-be-signed information at least comprises the first verification character string (104); sending, to the server, the first signed information and operating information that is input by a user for the first smart device (105). Also disclosed is a computer storage medium.



No. of Pages : 56 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024127 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND BILLING PLATFORM OF BUILDING REAL TIME CHARGE AGGREGATIONS

(51) International classification	:G06Q20/10G06Q30/00	(71) Name of Applicant : 1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant :164 83 Stockholm Sweden 2)ERICSSON TELECOMMUNIKATION GMBH & CO. KG
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP2016/051020	
Filing Date	:19/01/2016	
(87) International Publication No	:WO 2017/125138	
(61) Patent of Addition to Application Number	:NA	(72) Name of Inventor :
Filing Date	:NA	1)RAGHAVAN, Ajit 2)PAWAR, Manish 3)JAKOBSSON, Mikael 4)MUELLER, Elisabeth
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure relates to a method and a billing platform capable of building a real time aggregation without actually generating an invoice. In one embodiment, the method comprises steps of upon occurrence of an event to be charged, calculating (S102) a charge for the event; retrieving (S103) categorization attributes of charge information of the event; generating (S104) an identifier from the categorization attributes; and if an aggregation entity with the identifier does not exist in the billing platform, creating (S106) a new aggregation entity with the charge and the identifier, and storing the new aggregation entity in the billing platform. By storing a real time charge aggregation of an event in the platform rather than the event itself, a real time or continuous view of the upcoming invoice may be provided without actually generating the invoice.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024128 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR SYSTEM RESOURCE MANAGEMENT

(51) International classification :G06F9/50G06F12/02G06F12/0882
(31) Priority Document No :10-2015-0170966
(32) Priority Date :02/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/014132
Filing Date :02/12/2016
(87) International Publication No :WO 2017/095195
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

- 1)YU, Changhun
- 2)KIM, Wonjin
- 3)KIM, Hyunsik
- 4)MOON, Sunho
- 5)AHN, Minwook
- 6)KIM, Rakie
- 7)CHO, Kyoungsoo
- 8)SAUNSHI, Nikunj
- 9)KAPOOR, Parichay
- 10)AGARWAL, Pankaj
- 11)KIM, Won-Sub
- 12)KIM, Jin-Hyo
- 13)KIM, Hyunghoon
- 14)OH, Jisu
- 15)LEE, Keongho
- 16)LEE, Seung-Beom
- 17)LEE, Jinseok
- 18)JANG, Dong-Gi
- 19)JO, Subin
- 20)KANSAL, Apoorv

(57) Abstract :

The present disclosure relates to system resource management in a variety of situations. The present disclosure provides a method and an apparatus for reducing memory requirements and improving processing speed when an electronic device performs padding for a particular arithmetic operation on data. To achieve the above objective, a method for operating an electronic device according to the present disclosure comprises the steps of: reading a first portion of data from a first memory; determining a first padding address on the basis of the address of a byte belonging to a boundary region of the data among a plurality of bytes included in the first portion; writing values of the plurality of bytes and a value corresponding to the first padding address to a second memory; and reading a second portion of the data from the first memory.



No. of Pages : 76 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024130 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVED EUKARYOTIC CELLS FOR PROTEIN MANUFACTURING AND METHODS OF MAKING THEM

(51) International classification :C12N15/10C12N15/90C12P21/00
(31) Priority Document No :62/387375
(32) Priority Date :24/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/082567
Filing Date :23/12/2016
(87) International Publication No :WO 2017/109177
(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)SELEXIS S.A.

Address of Applicant :18 Chemin des Aulx 1228 Plan-les-Ouates Switzerland

(72) **Name of Inventor :**

1)MERMOD, Nicolas

2)DUROY, Pierre-Olivier

3)BOSSHARD, Sandra

4)LE MERCIER, Philippe

(57) Abstract :

Disclosed are mammalian cells and mammalian cell lines that have a reduced load of remnants of past viral/retroviral infections and methods of producing and using the same.



No. of Pages : 41 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024131 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE FOR ROTATING OBJECT

(51) International classification	:G01N35/04G01N35/02
(31) Priority Document No	:2015-243974
(32) Priority Date	:15/12/2015
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/086785
Filing Date	:09/12/2016
(87) International Publication No	:WO 2017/104576
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
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2)HORIBA ABX SAS

(72)Name of Inventor :

1)ISHII, Yuki

(57) Abstract :

Provided is a device comprising a driving unit 10 which includes a drive-source device 1 and a drive shaft 2. The drive shaft includes a drive-side roller 3 that rotates an object (specimen container) A1. The drive shaft is provided with a unidirectional transmission device 20 that includes a mechanism by which only a rotation drive force F1 in the first direction of the drive shaft is transmitted to a driven-side portion. The present device includes one of the following: a mechanism which converts the rotation drive force F1 in the first direction, and causes the drive unit 10 to move in a direction of separation from the object; and a mechanism which converts the rotation drive force F1 in the first direction, and causes a driven unit 40 to move in a direction of separation from the object. A second-direction rotation drive force F2 of the drive shaft 2 rotates the object A1.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024132 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HIGH-PRESSURE FUEL PUMP AND FUEL INJECTION SYSTEM

(51) International classification :F02M55/00F02M55/02F02M59/48
(31) Priority Document No :10 2016 201 600.8
(32) Priority Date :03/02/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/051215
Filing Date :20/01/2017
(87) International Publication No :WO 2017/133906
(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)CONTINENTAL AUTOMOTIVE GMBH

Address of Applicant :Vahrenwalder Strae 9 30165 Hannover Germany

(72)**Name of Inventor :**

1)SCHELLER, Max

(57) Abstract :

The invention relates to a high-pressure fuel pump (12) with a fluid connection (24), which is screwed into a connection receiving bore (30) of a housing (14), a screw drive (44) being arranged in an inner bore (26) of the fluid connection (24). The invention also relates to a fuel injection system (10) which has a high-pressure fuel pump (12) of said type.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024138 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INHIBITORS OF METALLO-BETA-LACTAMASES

(51) International classification :C07D401/04A61K31/404C07D403/04
(31) Priority Document No :1521059.4
(32) Priority Date :30/11/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/053761
Filing Date :30/11/2016
(87) International Publication No :WO 2017/093727
(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) OXFORD UNIVERSITY INNOVATION LIMITED
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(72) **Name of Inventor :**

1) BREM, J^{1/4}rgen
2) RYDZIK, Anna M.
3) McDONOUGH, Michael A.
4) SCHOFIELD, Christopher J.
5) MORRISON, Angus
6) HEWITT, Joanne
7) PANNIFER, Andrew
8) JONES, Philip

(57) Abstract :

The present invention relates to certain compounds, in particular, indole derivatives that function as inhibitors of bacterial metallo-beta-lactamases. The present invention also relates to processes for the preparation of these compounds, to pharmaceutical compositions comprising them, and to their use in the treatment of a bacterial infection.

No. of Pages : 149 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817024139 A

(19) INDIA

(22) Date of filing of Application :28/06/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR EVALUATING AN INFLOW ON A ROTOR BLADE OF A WIND TURBINE, METHOD FOR CONTROLLING A WIND TURBINE, AND WIND TURBINE

(51) International classification	:F03D7/02F03D17/00
(31) Priority Document No	:10 2016 100 522.3
(32) Priority Date	:13/01/2016
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2017/050687
Filing Date	:13/01/2017
(87) International Publication No	:WO 2017/121860
(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)WOBBEN PROPERTIES GMBH

Address of Applicant :Borsigstrae 26 26607 Aurich Germany

(72)Name of Inventor :

1)NAPIERALA, Christian Frank

(57) Abstract :

The invention relates to a method for evaluating an inflow on a rotor blade (108) of a wind turbine (100), having the following steps: - detecting at least one part of a pressure spectrum of a pressure (P), in particular wall pressure, on the rotor blade (108) at at least one measuring position, - determining at least two characteristic values (P1, P2) from the pressure spectrum, - forming an indicator value (I) from a relationship of the at least two characteristic values (P1, P2) to each other, and - evaluating whether a critical inflow (24) is present on the basis of the indicator value (I).



No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024140 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OLIGONUCLEOTIDE PRODUCTION METHOD, AND NUCLEOSIDE, NUCLEOTIDE, OR OLIGONUCLEOTIDE

(51) International classification :C07H21/02C07H19/10C07H19/20
(31) Priority Document No :2015-245564
(32) Priority Date :16/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/087654
Filing Date :16/12/2016
(87) International Publication No :WO 2017/104836
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)HIRAI, Kunihiro
2)KATAYAMA, Satoshi
3)HIROSE, Naoko
4)ICHIMARU, Taisuke
5)YAMASHITA, Ken
6)TAKAHASHI, Daisuke

(57) Abstract :

The present invention provides an oligonucleotide production method that includes: (1) a step in which a reaction liquid comprising a phosphite triester body (c) is obtained by condensing, in a nonpolar solvent, a nucleoside, nucleotide, or oligonucleotide (a) in which the 5-hydroxyl group is not protected and a nucleoside, nucleotide, or oligonucleotide (b) in which the 5-hydroxyl group is protected; (3) a step in which the phosphite triester body (c) is oxidized or sulfurized and a reaction liquid is obtained that comprises an oligonucleotide (d) in which the 5-hydroxyl group is protected; (4) a step in which the oligonucleotide (d) is deprotected and a reaction liquid is obtained that comprises an oligonucleotide (e) in which the 5-hydroxyl group is not protected; and (6) a step in which a polar solvent is added to the reaction liquid comprising the oligonucleotide (e), and the oligonucleotide (e) is purified by solid-liquid separation or extraction.

No. of Pages : 208 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024143 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FIBER COMPOSITE COMPONENT, STRUCTURAL COMPONENT, AND PRODUCTION METHOD

(51) International classification :B29C70/54B32B5/12B29C70/20
(31) Priority Document No :10 2016 100 191.0
(32) Priority Date :06/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/082288
Filing Date :22/12/2016
(87) International Publication No :WO 2017/118578
(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)WOBBEN PROPERTIES GMBH

Address of Applicant :Borsigstrae 26 26607 Aurich Germany

(72)Name of Inventor :

1)RUBNER, Florian

(57) Abstract :

The invention relates to a fiber composite component (20, 2) comprising a base element (20, 21, 2) which comprises fibers (23, 24) embedded into a matrix material (2221, 2231). The invention further relates to a method for producing a fiber composite component (20, 2), to a structural component which comprises a support element and a reinforcement element, and to a method for producing the structural component. The fiber composite component (20, 2) comprises a base element (20, 21, 2), which comprises fibers (23, 24) embedded into a matrix material (2221, 2231), and a reinforcement element, which comprises fibers (23, 24) embedded into a matrix material (2221, 2231). The base element (20, 21, 2) and the reinforcement element are connected together. A hole (22, 23) runs through the base element (20, 21, 2) and the reinforcement element. Base element (20) fibers (23, 24) adjoining (211) the hole (22, 23) are severed, and reinforcement element fibers (23, 24) adjoining (211) the hole (22, 23) are continuous.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024144 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ARGININE SUPPLEMENTATION TO IMPROVE EFFICIENCY IN GAS FERMENTING ACETOGENS

(51) International classification	:C12N1/38C12N1/20C12P1/04	(71)Name of Applicant :
(31) Priority Document No	:62/262886	1)LANZATECH NEW ZEALAND LIMITED
(32) Priority Date	:03/12/2015	Address of Applicant :c/o TMF Group Level 12 55 Shortland Street Auckland, 1010 New Zealand
(33) Name of priority country	:U.S.A.	2)THE UNIVERSITY OF QUEENSLAND
(86) International Application No	:PCT/US2016/064855	3)na
Filing Date	:02/12/2016	4)na
(87) International Publication No	:WO 2017/096324	5)na
(61) Patent of Addition to Application Number	:NA	6)na
Filing Date	:NA	7)na
(62) Divisional to Application Number	:NA	8)na
Filing Date	:NA	(72)Name of Inventor :

(57) Abstract :

The invention provides methods for improving efficiency of fermentation by arginine supplementation, and genetically modified bacterium for use therefor. More particularly the invention provides methods for (i) increasing the production ATP intensive products with arginine supplementation, (ii) increasing utilization of arginine by a C1-fixing bacterium; and (iii) providing C1-fixing bacterium with optimized arginine de-aminase pathways.



No. of Pages : 61 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024158 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVED THERMAL SPRAY COATINGS ONTO NON-SMOOTH SURFACES

(51) International classification :C23C4/10B21B27/00C23C4/01
(31) Priority Document No :62/387131
(32) Priority Date :23/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067199
 Filing Date :16/12/2016
(87) International Publication No :WO 2017/112546
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)BRENNAN, Michael, S.

2)WANG, Daming

3)KLEYMAN, Ardy

(57) Abstract :

This invention relates to thermal spray coatings and processes onto non-smooth surfaces. The coating and processes can coat non-smooth surfaces without substantial degradation of the underlying surface texture or profile of the non-smooth surfaces so as to sufficiently preserve the underlying surface texture or profile. The ability for coating fractional coverage to maintain the surface profile while maintaining wear resistance is unprecedented by conventional thermal spray processes.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024159 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ACRYLIC/EPOXY HYBRID MATERIALS FOR LAMINATING ADHESIVE APPLICATIONS

(51) International classification	:C09J133/08
(31) Priority Document No	:62/270608
(32) Priority Date	:22/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/054789
Filing Date	:30/09/2016
(87) International Publication No	:WO 2017/112018
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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U.S.A.

2)ROHM AND HAAS COMPANY

(72)**Name of Inventor :**

1)LI, Wenwen

2)XIE, Rui

3)FU, Zhenwen

(57) Abstract :

A laminating adhesive composition comprising a) an aqueous dispersion of thermoplastic polymer particles imbued with an epoxy compound wherein the concentration of the epoxy compound is from 1 weight percent to 40 weight percent, based on the total weight of the solid content of the aqueous dispersion; and b) at least one water emulsifiable or water dispersible epoxy curing agent selected from polyamines, polyamides, amidoamines, carboxylic functional polyesters, anhydrides, mercaptans, polymercaptans, cyclic amidines, and combinations thereof, is disclosed.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817024160 A

(19) INDIA

(22) Date of filing of Application :28/06/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND PROCESS FOR THE MANUFACTURING OF COMPOSITE FORMWORK BUILDING MEMBERS AND FORMWORK MEMBERS SO MANUFACTURED

(51) International classification :B29C44/24B29C70/68B29C70/88
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/060018
Filing Date :29/12/2015
(87) International Publication No :WO 2017/115106
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71) **Name of Applicant :**

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(72) **Name of Inventor :**

1)CRETTI, Piero

(57) Abstract :

The invention relates to an apparatus (100) for the manufacturing of a formwork member (F) comprising a first formwork panel (F1) and a second formwork panel (F2) made of expanded polystyrene, said panels being restrained and spaced apart from each other by a plurality of truss metal structures (TS) arranged parallel to one another in a longitudinal direction (L), said apparatus (100) comprising a feeding station (110) configured to feed a plurality of truss metal structures (TS) arranged in parallel and a molding station (120) arranged after said feeding station (110) and configured to receive therefrom said truss metal structures (TS) and to make on a transverse portion thereof a first panel (F1) of a formwork member (F), wherein said molding station (120) comprises a molding chamber (121) configured for the injection of polystyrene spheres or beads and their expansion by supplying steam, said spheres or beads being intended to form said first panel (F1) embedding a portion of the truss metal structures (TS), and wherein the molding station also comprises a dimensional stabilization chamber (122) contiguous to said molding chamber (121) and configured to receive the first panel (F1) formed therein. An auxiliary molding chamber (123) is arranged between the molding chamber (121) and the dimensional stabilization chamber (122), said auxiliary molding chamber (123) communicating with the molding chamber (121) and the dimensional stabilization chamber (122) and being configured to be selectively heated by supplying steam. The apparatus (100) further comprises a moving assembly (150) arranged directly after the molding station (120), said moving assembly (150) being configured as a press to grab a portion of the first panel (F1) coming out from the dimensional stabilization chamber (122) and make it move in the manufacturing direction (L) by a desired length, thereby partially or completely adding the volume of the auxiliary molding chamber (123) of the molding station (120) to the volume of the molding chamber (121). The invention also relates to a process for the manufacturing of formwork members that may be carried out by the apparatus above.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024175 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FAST PROBING OF SIGNAL QUALITY IN A WDM NETWORK

(51) International classification	:H04B17/00
(31) Priority Document No	:62/262882
(32) Priority Date	:03/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/064911
Filing Date	:05/12/2016
(87) International Publication No	:WO 2017/096349
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)KILPER, Daniel

2)AHSAN, Atiyah Sayyidah

3)BERGMAN, Keren

(57) Abstract :

A method of interrogating a WDM optical communication system is provided to obtain one or more performance parameters. In accordance with the method, an optical probe wavelength is generated and possibly modulated in a prescribed manner. The probe signal is transmitted along a selected optical path through the WDM optical communication system for a duration of time that is less than a response time of network elements that impact signal quality along the selected optical path.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024176 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DIETARY PEPTIDES

(51) International classification :C07K7/06A61K38/04C07K7/08
(31) Priority Document No :15200440.4
(32) Priority Date :16/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/081572
Filing Date :16/12/2016
(87) International Publication No :WO 2017/103200
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)STAGSTED, Jan

2)ZHOU, Jiehui

3)JESSEN, Randi

4)PALMFELDT, Johan

5)HANSEN, Erik Torngaard

(57) Abstract :

The present invention relates to novel peptides, composition comprising such peptides including nutritional supplements and methods for inducing satiation and satiety, for weight management and preventing or reducing the incidence of obesity, or for preventing or reducing cardiovascular diseases, atherosclerosis, hypertension, hepatosteatosis, cancer and/or diabetes.



No. of Pages : 42 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024177 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : VACCINATION WITH MICA/B ALPHA 3 DOMAIN FOR THE TREATMENT OF CANCER

(51) International classification	:A61K39/00A61K47/00
(31) Priority Document No	:62/263377
(32) Priority Date	:04/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/064969
Filing Date	:05/12/2016
(87) International Publication No	:WO 2017/096374
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)WUCHERPENNIG, Kai

2)BADRINATH, Soumya

(57) Abstract :

The present invention provides compositions and methods for treating cancer in a subject by eliciting an immune response against a MIC alpha 3-domain polypeptide.



No. of Pages : 53 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024178 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRODUCTION OF XYLENE DERIVATIVES

(51) International classification :C07C2/50C07C209/00C07C211/00
(31) Priority Document No :PCT/CN2015/096821
(32) Priority Date :09/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/108997
Filing Date :08/12/2016
(87) International Publication No :WO 2017/097220
Application Number :NA
Filing Date :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)MORVAN, Didier

2)BACK, Olivier

3)WISCHERT, Raphael

4)MULLER, Eric

(57) Abstract :

The present invention relates to the production of xylene derivatives from furfural and its derivatives. The invention describes new routes for converting furfural and its derivatives into xylene derivatives including novel intermediates.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024179 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR CULTURING AND PRESERVING EUBACTERIUM HALLII

(51) International classification	:C12N1/20
(31) Priority Document No	:2016055
(32) Priority Date	:31/12/2015
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2017/050001
Filing Date	:02/01/2017
(87) International Publication No	:WO 2017/116235
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
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(72)Name of Inventor :

1)DE VOS, Willem Meindert

2)SEEGERS, Jozef Franciscus Maria Louis

(57) Abstract :

In the present document, a method for culturing and preserving the probiotic gut microorganism Eubacterium hallii is disclosed. The method provides an E. hallii preparation that is suitable for administration or ingestion to humans and that provides high E. hallii biomass yields. Preferably, the medium used for culturing E. hallii to high biomass yields comprises food grade components only, is free of any animal sources, and/or is kosher.

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024198 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FLIGHT TRAJECTORY PREDICTION SYSTEM AND FLIGHT TRAJECTORY-BORNE AUTOMATED DELAY RISK TRANSFER SYSTEM AND CORRESPONDING METHOD THEREOF

(51) International classification	:G06Q30/02G06Q40/08	(71) Name of Applicant : 1)SWISS REINSURANCE COMPANY LTD. Address of Applicant :Mythenquai 50/60 8022 Zürich Switzerland
(31) Priority Document No	:PCT/EP2015/081173	
(32) Priority Date	:23/12/2015	
(33) Name of priority country	:EPO	
(86) International Application No	:PCT/EP2016/082671	(72) Name of Inventor :
Filing Date	:23/12/2016	1)BIASON, Gianni
(87) International Publication No	:WO 2017/109231	2)STEINMANN, Lukas Adrian
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an automated flight trajectory prediction system (1) and flight trajectory-borne automated delay risk-transfer system (1) related to airspace risks for risk sharing of a variable number of risk-exposed units (41,..., 43) by dynamically pooling and balancing resources of the risk-exposed units (41,...,43) based on predicted flight trajectories. The system (1) provides a self-sufficient operatable and dynamically self-adaptable risk-transfer system (1) based on the balanced, pooled resources (11) for the risk-exposed units (41,...,43), wherein an automated transfer of risk exposure associated with the units (41,...,43) is provided by the system (1). The system (1) comprises capturing means (31) to receive transmitted air data parameters (102, 202) of aircraft ground-based flight controllers (911,...,914/921,...,924). A trigger module (3) is dynamically triggering filtered flight time parameters (1231, 1232,...) via a data flow pathway of the controllers (911,..., 914/921,...,924) by means of a predefined time-delay threshold value, wherein in case of triggering of an excess of the design time-delay threshold value, operational parameters of the triggered flight (1221, 1222,...) comprising at least flight delay parameters (1322) and flight identification (1321) are captured and losses associated with the triggered time delay are distinctly covered by the system (1) by means of parametric payment transfer. For the prediction of the flight trajectories, the system dynamically generates a 3D grid network providing digitized airspace, where each grid point is a location of weather measure parameters, and generates cubes around these grid points, so the entire airspace is represented by a dynamically generated set of cubes, wherein each cube is defined by its centroid, the original grid point, and associated weather measuring parameters remaining homogeneous within the generated cube during a predefined period of time. The core engine (2) aligns generated raw trajectories to said set of cube centroids as fixed 3D positions independent of trajectory data, wherein form trajectories are generated as 4D joint cubes, and wherein each cube is a segment that is associated with not only spatio-temporal attributes and with the weather measuring parameters.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024161 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CORE FOR TRANSFORMER OR REACTOR

(51) International classification :H01F27/245H01F27/26
(31) Priority Document No :10-2015-0190321
(32) Priority Date :30/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/015576
 Filing Date :30/12/2016
(87) International Publication No :WO 2017/116211
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)AHN, Hyun Mo

2)SIM, Dong Joon

3)HAN, Se Hee

(57) Abstract :

The present invention relates to a core for a transformer or a reactor. The core according to the present invention comprises: a first leg (10), a second leg (12), and a third leg (14), which are made of widthwise rolled steel plates (11); a first yoke (16) for connecting one end of the legs (10, 12, 14) so as for a magnetic flux to pass therethrough; and a second yoke (18) for connecting the other end of the legs (10, 12, 14) so as for a magnetic flux to pass therethrough. The first yoke (16) and the second yoke (18) are made using lengthwise rolled steel plates (17). The first leg (10) has a first coil (10TM) wound therearound, and the second leg (12) has a second coil (12TM) wound therearound, and the third leg (14) has a third coil (14TM) wound therearound. As such, the present invention can relatively increase an overall magnetic reluctance value and thus has the advantage of preventing the occurrence of magnetic saturation.



No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024163 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REDUNDANCY CONTROL METHOD OF MMC FOR HVDC

(51) International classification :H02M1/32H02J5/00H02M7/49
(31) Priority Document No :10-2015-0190666
(32) Priority Date :31/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/006638
 Filing Date :22/06/2016
(87) International Publication No :WO 2017/115953
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HONG, Jung Won

2)PARK, Yong Hee

3)KIM, June Sung

(57) Abstract :

The present invention relates to a method for controlling such that, in an MMC for HVDC, each submodule of an unbroken down converter arm operates while lowering output voltage, so as to continuously operate a system, when a submodule of the MMC has broken down in a state in which a redundancy module for improving an operation rate is applied and there are no more redundancy modules to be applied. In the MMC for HVDC, including the plurality of converter arms, wherein each converter arm includes the plurality of operating submodules and preparatory redundancy modules, a redundancy control method of an MMC for HVDC, according to the present invention, comprises the steps of: checking whether a breakdown has occurred in operating submodules of a first converter arm in a state in which all the redundancy modules of the first converter arm among a plurality of converter arms are applied to the operation; and controlling such that an output voltage of each submodule of other converter arms is lowered so as to make DC link voltages of the other converter arms the same as a DC link voltage of the first converter arm, when a breakdown of the submodules of the first converter arm occurs.



No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024164 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR RAPID DETECTION OF MICROORGANISMS USING INFECTIOUS AGENTS

(51) International classification :C12Q1/70C12N15/73G01N33/50
(31) Priority Document No :62/280043
(32) Priority Date :18/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/013955
Filing Date :18/01/2017
(87) International Publication No :WO 2017/127434
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ERICKSON, Stephen
3)HOPKINS, Ben, Barrett
4)NGUYEN, Minh, Mindy, Bao
5)ANDERSON, Dwight, Lyman**

(57) Abstract :

Disclosed herein are methods and systems for rapid detection of microorganisms in a sample. A genetically modified bacteriophage is also disclosed which comprises an indicator gene in the late gene region. The specificity of the bacteriophage, such as CBA120, allows detection of a specific microorganism, such as E.coli O157:H7, and an indicator signal may be amplified to optimize assay sensitivity.



No. of Pages : 53 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024165 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DUAL CONTROL APPARATUS AND CONTROL METHOD FOR HVDC SYSTEM

(51) International classification	:H02J1/00
(31) Priority Document No	:10-2015-0190328
(32) Priority Date	:30/12/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/006635
Filing Date	:22/06/2016
(87) International Publication No	:WO 2017/115950
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)OH, Sung Min

(57) Abstract :

The present invention provides a dual control apparatus and a control method for a high voltage direct current (HVDC) system, wherein two controllers share error values of integral controllers in the dual control apparatus for a HVDC system, so as to prevent the occurrence of an error between control values of the two controllers. The dual control apparatus for a HVDC system according to the present invention comprises a first controller and a second controller that are operated as a dual controller, the first controller and the second controller each comprising: a deviation calculation unit for calculating a deviation between a target value and a control value; a PI controller for performing proportional control and integral control of the deviation; a first buffer for storing an error value for the integral control by the PI controller of the first or second controller; and a second buffer for storing an error value for the integral control by the PI controller of the second or first controller, wherein the PI controller of the first controller performs the proportional control and the integral control of the deviation using the error value stored in the first buffer of the first controller, and the PI controller of the second controller performs the proportional control and the integral control of the deviation using the error value stored in the second buffer of the second controller.



No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2017

(21) Application No.201714025166 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TAPE WITH QUICK AND NEAT REMOVAL FROM PACKAGE BOX COVER SEAL

(51) International classification	:B29C 65/50	(71)Name of Applicant : 1)Lin, Shih-Fong Address of Applicant :No. 79, Cheng Yi Street, San Hsia Dist., New Taipei City, Taiwan Taiwan
(31) Priority Document No	:106207399	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Taiwan	(72)Name of Inventor : 1)Lin, Shih-Fong
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A tape with quick and neat removal from a package box cover seal includes a tape substrate having a first side and a second side coated with an adhesive layer and a release layer respectively. In addition, the adhesive layer is coated at a partial area on a width direction of the first surface of the substrate in order to allow the first surface to continuously form a guidance peeling strip of a small width and uncoated with the adhesive layer on the width direction from at least one side edge of the substrate to another side edge in an opposite direction thereof and extending along the length direction of the substrate. Accordingly, after the tape is adhesively attached on the package box for sealing, the tape can be neatly removed with ease by stripping off the guidance peeling strip.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024398 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EXTRACT PRODUCTION SYSTEM AND METHOD FOR PRODUCING EXTRACT

(51) International classification	:B01D11/02
(31) Priority Document No	:2015-254218
(32) Priority Date	:25/12/2015
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/088628
Filing Date	:26/12/2016
(87) International Publication No	:WO 2017/111151
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)WATANABE, Akira

(57) Abstract :

The present invention reduces the consumed amount of heat exchange medium used for heat exchange. An extract production system 10 is provided with: an extraction unit 14 for using a solvent that flows into the interior to extract an extract from a raw material, a first heat exchange unit 34 for using a heat exchange medium S to exchange heat with the solvent flowing into the extraction unit 14; and a second heat exchange unit 36 for reusing the heat exchange medium S that has undergone heat exchange at the first heat exchange unit 34 to exchange heat with the solvent that has undergone heat exchange at the first heat exchange unit 34.



No. of Pages : 36 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024399 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ACCOMMODATING INTRAOCULAR LENS DEVICE

(51) International classification :A61F2/16B29D11/02G02B3/12
(31) Priority Document No :62/261790
(32) Priority Date :01/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2016/064491
 Filing Date :01/12/2016
(87) International Publication No :WO 2017/096087
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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1)BRADY, Daniel

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(57) Abstract :

An accommodating intraocular lens device is provided. The accommodating intraocular lens device comprises a base assembly and a power lens. The base assembly comprises a first open end, a second end coupled to a base lens, and a haptic surrounding a central cavity. The haptic may comprise an outer periphery, an inner surface and a height between a first edge and a second edge. The power lens is configured to fit within the central cavity. The power lens may comprise a first side, a second side, a peripheral edge coupling the first and second sides, and a closed cavity configured to house a fluid. The first side of the power lens may be positioned at a predetermined distance from the first edge of the haptic.



No. of Pages : 30 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024400 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR DETERMINING WATER DEFICIENCY IN A PERSON'S BODY

(51) International classification :A61B5/00A61B5/053
(31) Priority Document No :2015153029
(32) Priority Date :10/12/2015
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2016/000857
 Filing Date :08/12/2016
(87) International Publication No :WO 2017/099636
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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4)RUBIN, Mikhail Semenovich
5)KOLONITSKY, Dmitry Ivanovich
6)CHECHIK, Andrey Anatol'evich
7)MISJUCHENKO, Igor Leonidovich

(57) Abstract :

The invention relates to diagnostics, and more particularly to determining a state of water deficiency in a persons body in the course of their daily activities by measuring the impedance of a region of the persons body. In the present method, impedance values of a region of a persons body are measured at a high frequency and at a low frequency. On the basis of the impedance value measured at a high frequency, an assessment is obtained of the current amount of fluid in the body tissues in the volume under analysis, and on the basis of the impedance value measured at a low frequency, an assessment is obtained of the current amount of extracellular fluid in the body tissues in the volume under analysis. At a starting point of the measuring time, a reference value is selected for the assessment of the amount of extracellular fluid in the volume under analysis. Then a correction value which takes into consideration changes in the current amount of blood in the volume under analysis is determined. Then a corrected assessment of the amount of fluid in the body tissues in the volume under analysis is determined, which takes into consideration changes in the current amount of blood in said volume. The values obtained from the corrected assessment of the amount of fluid in the body tissues in the volume under analysis are used to judge the onset of a state of water deficiency in the persons body. The technical result of the claimed invention is the possibility of determining a state of water deficiency in a persons body in the course of their ordinary daily activities using measurements of the impedance of a region of the persons body.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024201 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REPORTER DYE FOR ISOTHERMAL NUCLEIC ACID AMPLIFICATION, ISOTHERMAL-BASED DUAL FUNCTIONAL OLIGONUCLEOTIDE CONTAINING QUENCHER, AND METHOD FOR NUCLEIC ACID AMPLIFICATION AND MEASUREMENT USING SAME

(51) International classification	:C12Q1/70
(31) Priority Document No	:10-2015-0169857
(32) Priority Date	:01/12/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2016/013944 :30/11/2016
(87) International Publication No	:WO 2017/095128
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)WON, Yoo Deok

2)PARK, Hae Joon

3)SEONG, Hyo Jin

4)LIM, Mi Ae

5)LEE, Sun Young

(57) Abstract :

The present invention relates to a reporter dye for isothermal nucleic acid amplification, an isothermal-based dual functional oligonucleotide containing a quencher, and a method for nucleic acid amplification and measurement using the same. The present invention is directed to a method capable of obviating the need for an oligonucleotide that is additionally designed in addition to four to six types of oligonucleotides for a nucleic acid amplification reaction of LAMP, detecting the amount of fluorescence according to the amplification of the nucleic acid of target gene - specific sequence for DNA and RNA, enabling the detection also after the completion of the reaction, and detecting the amount of fluorescence in real-time. Therefore, the present invention allows simultaneous multiple tests by measuring the amount of fluorescence in one tube after the completion of the reaction or in real time while varying the reporter dye according to the target gene .



No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024218 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SEALING ARRANGEMENT FOR LENGTH COMPENSATION OF AN ARTICULATED SHAFT, AND ARTICULATED SHAFT

(51) International classification	:F16D3/84	(71) Name of Applicant :
(31) Priority Document No	:16150692.8	1)SPICER GELENKWELENBAU GMBH
(32) Priority Date	:08/01/2016	Address of Applicant :Westendhof 5-9 45143 Essen Germany
(33) Name of priority country	:EPO	(72) Name of Inventor :
(86) International Application No	:PCT/EP2016/082153	1)KRISCHAK, Mirana
Filing Date	:21/12/2016	
(87) International Publication No	:WO 2017/118575	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Sealing arrangement for length compensation (3) of an articulated shaft, wherein the sealing arrangement has the following: a first shaft element (21) which has a seat section (26), a sealing sleeve (11) with a fastening section (28), wherein a circumferential groove (32) is arranged on the seat section (26) for the purpose of fixing the sealing sleeve (11) on the first shaft element (21), the sealing sleeve (11) engaging into said circumferential groove, wherein the sealing sleeve (11), by way of the fastening section (28), is axially pushed onto the seat section (26) in the direction of a longitudinal axis (4), wherein the fastening section (28) has at least one latching projection (36) which projects radially inward and which engages in a latching manner into the circumferential groove (32) when the sealing sleeve (11) is in the fully pushed-on state, and wherein the seat section (26) has a circumferential sealing face (34) against which the fastening section (28) of the sealing sleeve (11) bears in an elastically tensioned manner in the fully pushed-on state.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024224 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR THE PREPARATION OF CARBOPROST AND ITS TROMETHAMINE SALT

(51) International classification	:C07C405/00
(31) Priority Document No	:P15 00584
(32) Priority Date	:01/12/2015
(33) Name of priority country	:Hungary
(86) International Application No	:PCT/HU2016/000067
Filing Date	:10/11/2016
(87) International Publication No	:WO 2017/093770
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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- 3)HORTOB • GYI, Ir@n
- 4)L • SZLFI, Istv@n
- 5)JUH • SZ, Imre
- 6)FNAGY, L;szl³
- 7)V • RADI, Csaba
- 8)NAGYN% BORK, • gnes

(57) Abstract :

The subject of the invention is a novel process for the preparation of Carboprost tromethamine salt where alkylation the enone of the general formula (II) is carried out in the presence of a chiral auxiliary in aprotic solvent with a Grignard reagent. The methyl ester epimers of formula (VII) are separated by gravity silicagel chromatography and the salt formation is carried out by using solid tromethamine base.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024225 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FGF21 VARIANTS

(51) International classification :C07K14/50A61K38/18A61K38/26
(31) Priority Document No :15306913.3
(32) Priority Date :02/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/079551
Filing Date :02/12/2016
(87) International Publication No :WO 2017/093465

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

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2)LANGER, Thomas
3)BOSCHEINEN, Oliver
4)DREYER, Matthias
5)DITTRICH, Werner

(57) Abstract :

The present invention relates to polypeptide variants of human fibroblast growth factor 21 (FGF21) and fusion molecules thereof, as well as to nucleic acid molecules encoding the same. It further relates to their use as medicaments, in particular for the treatment of obesity, overweight, metabolic syndrome, diabetes mellitus, hyperglycemia, dyslipidemia, non-alcoholic steatohepatitis (NASH) and/or atherosclerosis.

No. of Pages : 84 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024228 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FILTER MEMBRANE AND DEVICE

(51) International classification :B01D67/00B01D69/08B01D71/44
(31) Priority Document No :16152332.9
(32) Priority Date :22/01/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/051044
Filing Date :19/01/2017
(87) International Publication No :WO 2017/125470

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

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2)BOSCETTI-DE-FIERRO, Adriana

3)VOIGT, Manuel

4)GECKELER, Johannes

5)SCHWEIGER, Ferdinand

(57) Abstract :

The present disclosure relates to a microporous hollow fiber filter membrane having a large inner diameter and a thin wall. The fiber can be used for sterile filtration of liquids or removal of particles from liquids. The disclosure further relates to a method for producing the membrane and a filter device comprising the membrane.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024245 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BICYCLE GEAR SHIFTER

(51) International classification	:B62M25/04
(31) Priority Document No	:201511023125.7
(32) Priority Date	:29/12/2015
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2016/108695
Filing Date	:06/12/2016
(87) International Publication No	:WO 2017/114105
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)QIN, Ruizan

(57) Abstract :

The present invention provides a bicycle gear shifter, the bicycle gear shifter comprising: a shift indexing gear provided with a plurality of indexing teeth, releasing teeth, and driving teeth; a driving component for driving a rotation of the shifting and indexing gear; a mounting component for mounting the invention to a bicycle handlebar; an indexing component with a resettable position; a releasing component for driving a movement of the indexing component; a fastening component connected to the mounting component; and an actuator component for driving a reverse rotation of the shift indexing gear. The shift indexing gear and the actuator component are mounted, through a main rotating shaft, on the fastening component. The indexing component is sleeved around the main rotational axis, and is disposed with an indexing pawl that engages with the indexing teeth. The driving component is sleeved around the main rotating shaft, and is disposed with a driving part that engages with the driving teeth. The invention has a simple and compact structure, and greatly reduces a range of motions of the corresponding components, thereby raising the responsiveness of a bicycle shifting process. The invention also allows a cyclist to select a direction of operation on the basis of actual requirements for flexible use.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024250 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A MEMBRANE SEPARATION PROCESS

(51) International classification :B01D65/08B01D61/22C02F3/06
(31) Priority Document No :2016900045
(32) Priority Date :07/01/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/050011
Filing Date :06/01/2017
(87) International Publication No :WO 2017/117632
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HODGKINSON, Andrew

(57) Abstract :

A membrane separation process is described. The process comprises pumping of a fluid stream through a membrane module to produce a permeate during a plurality of membrane operating cycles. Each membrane operating cycle comprises a filtration cycle and a relaxation cycle. Concentration polarisation is controlled during the process by controlling duration of filtration cycles and relaxation cycles to relatively short duration to maintain the degree of concentration polarisation below a target.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024253 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THIN STEEL PLATE, GALVANIZED STEEL PLATE, HOT ROLLED STEEL PLATE PRODUCTION METHOD, COLD ROLLED FULL HARD STEEL PLATE PRODUCTION METHOD, HEAT TREATED PLATE PRODUCTION METHOD, THIN STEEL PLATE PRODUCTION METHOD, AND GALVANIZED STEEL PLATE PRODUCTION METHOD

(51) International classification :C22C38/00C21D9/46C22C38/06
(31) Priority Document No :2016-070750
(32) Priority Date :31/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/008958
Filing Date :07/03/2017
(87) International Publication No :WO 2017/169562
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)MINAMI Hidekazu

2)FUNAKAWA Yoshimasa

3)KANEKO, Shinjiro

(57) Abstract :

Provided are a thin steel plate, etc., said thin steel plate having a TS of at least 590 MPa, excellent strength-ductility balance, a low yield ratio, excellent YP in-plane anisotropy, and excellent plating properties. The thin steel plate has: a specific component composition; and a steel structure including a prescribed amount of ferrite and martensite, by area ratio, the average ferrite crystal grain size being no more than 20 μm , the average martensite size being no more than 15 μm , the ratio between the average ferrite crystal grain size and the average martensite size (average ferrite crystal grain size/the average martensite size) being 0.5-10.0, the hardness ratio between ferrite and the martensite (ferrite hardness/martensite hardness) being 1.0-5.0, and the ferrite aggregate composition being 0.8-7.0, by inverse intensity ratio of γ -fibers to α -fibers. The thin steel plate has a tensile strength of at least 590 MPa.

No. of Pages : 69 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024254 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BINDING MACHINE AND METHOD FOR SECURING A PART OF A BINDING ELEMENT IN A LOOP AROUND ONE OR MORE OBJECTS

(51) International classification :B29C65/00B65B13/32B65B13/04
(31) Priority Document No :1650114-0
(32) Priority Date :29/01/2016
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2017/051643
Filing Date :26/01/2017
(87) International Publication No :WO 2017/129679
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ENGLUND, Ove

2)M...RSTEDT, Peter

3)DANIELSSON, Erik

(57) Abstract :

A binding machine comprising: - a feeding device for feeding a binding element (3) in the form of a wire or strap in a loop around one or more objects to be bound and subsequently retracting the binding element to draw it tightly around said objects; and - a laser welding device for forming a welded joint between a section at the leading end of the binding element and an adjoining section at the trailing end of the part (3a) of the binding element fed in a loop around said objects to thereby secure this part of the binding element in a loop around the objects. The laser welding device is configured to cut off the binding element at said trailing end to thereby release said part (3a) of the binding element from the remaining part (3b) of the binding element.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024255 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SODIUM ION BATTERY MATERIALS

(51) International classification	:H01M4/485H01M4/505H01M4/525
(31) Priority Document No	:PA 2016 00032
(32) Priority Date	:18/01/2016
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/EP2017/050370
Filing Date	:10/01/2017
(87) International Publication No	:WO 2017/125279
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DAHL, S,ren

2)WONSYLD, Karen

3)SUNDERGAARD, Martin

(57) Abstract :

The invention A sodium ion battery material comprising the formula Na_aLi_bNi_cMn_dFe_eTi_fO_g, wherein 0.70 < a < 1.0 0.01 < b < 0.2 0.10 < c < 0.37 0.20 < d < 0.5 0.00 < e < 0.3 0.10 < f < 0.2 1.85 < g < 2.2. Wherein Formula (I) and wherein the capacity of the material decreases by 20% or less after 100 cycles between from 2.0 and 4.3 V in a Na anode half-cell. The invention also relates to a process of electrochemical cycling of the sodium ion battery materials and a process for preparation of a sodium ion battery material.



No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024256 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LIDDED CONTAINER AND CONTAINER USED IN SAME

(51) International classification :B65D81/34A47J27/00B65D77/20
(31) Priority Document No :2015-248932
(32) Priority Date :21/12/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/087983
Filing Date :20/12/2016
(87) International Publication No :WO 2017/110826
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)TSUCHIDA Masako

3)KAMEDA Katsumi

4)WATANABE Kaoru

(57) Abstract :

[Problem] To provide a lidded container capable of inhibiting adhesion between a flange part of a container and a lid thereon, thus allowing steam to pass through a steam-venting mechanism, even if the flange warps due to being heated in a microwave. [Solution] This lidded container is provided with a container having an opening formed therein, and with a lid that is joined to the container so as to cover the opening. The container is provided with a bottom part, side parts rising up from the bottom part, and a flange part that is formed so as to be contiguous with the side parts and comprises a first flat surface. A peripheral sealing section is formed between the lid and the first flat surface of the flange part. The sealing section comprises a main sealing portion, and a protruding sealing portion that protrudes inward from the main sealing portion. An adhesion-inhibiting mechanism for inhibiting adhesion between the flange part and the lid is formed on the flange part and/or on the lid, at a position that is outside of the protruding sealing portion and corresponds to at least the protruding sealing portion.



No. of Pages : 82 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024257 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CRUMB RUBBER COATING WITH A HYDROPHOBIC SURFACE

(51) International classification :C09D5/16C09D119/00C09D163/00
(31) Priority Document No :14/984920
(32) Priority Date :30/12/2015
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/IB2016/001619
Filing Date :26/10/2016
(87) International Publication No :WO 2017/115119
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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2)GONDAL, Muhammad, Ashraf
3)AL-ZAHRANI, Atef
4)AL-HAJRI, Hamoud

(57) Abstract :

A recycled crumb rubber coating with a hydrophobic surface and a method for making the same. The coating with a hydrophobic surface includes a recycled crumb rubber coating layer comprising about 24-50 wt % of a crumb rubber, and about 25-75 wt % of an epoxy comprising a liquid epoxy resin and an epoxy hardener, and a first silane film comprising at least one silane and disposed on a surface of the recycled crumb rubber coating layer to form the hydrophobic surface. The method includes (a) mixing a crumb rubber with a liquid epoxy resin to form a first mixture, (b) mixing the first mixture with an epoxy hardener to form a recycled crumb rubber coating layer, and (c) depositing a first silane film comprising at least one silane on a surface of the recycled crumb rubber coating layer to form the hydrophobic surface of the recycled crumb rubber coating.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024258 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYNERGISTIC FUNGICIDAL MIXTURES FOR FUNGAL CONTROL OF RICE BLAST

(51) International classification :A01N43/16A01N43/24A01N43/56
(31) Priority Document No :62/273396
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/068183
Filing Date :22/12/2016
(87) International Publication No :WO 2017/116936
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)**MANN, Richard K.**

3)**KEMMITT, Greg**

4)**CORREA DA SILVA, Olavo**

(57) Abstract :

A fungicidal composition containing a fungicidally effective amount of tricyclazole, and at least one fungicide selected from the group consisting of benzovindiflupyr and fluxapyroxad provides synergistic control of selected fungi.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024259 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MIXING TEE ASSEMBLY AND PROCESS

(51) International classification	:B01F3/08B01F5/02B01F5/04
(31) Priority Document No	:62/276689
(32) Priority Date	:08/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/069216
Filing Date	:29/12/2016
(87) International Publication No	:WO 2017/120100
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)WITEMYRE, Charles, Jeffrey

(57) Abstract :

A mixing tee assembly suitable for phosphate acid attack reaction is described. The mixing tee assembly comprises an outer pipe having a mixing end and a tee end, wherein a tee structure is formed near the tee end to connect with additional piping; an inner pipe comprising a nozzle end connected to a nozzle and a open end; wherein the inner pipe is lined with a corrosion-resistant material on its inside surface; wherein when the inner pipe is assembled within the outer pipe, the nozzle extends beyond the mixing end of the outer pipe by at least 1/3 of the inside diameter of the outer pipe.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024260 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE AND METHOD FOR ROUGHING AND FINE-MACHINING GEARS

(51) International classification :B23F17/00B23F5/16B23F21/00
(31) Priority Document No :10 2015 121 523.3
(32) Priority Date :10/12/2015
(33) Name of priority country :Germany
(86) International Application No:PCT/EP2016/079991
 Filing Date :07/12/2016
(87) International Publication No :WO 2017/097796
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ZIMMERMANN, Jonathan

(57) Abstract :

The invention relates to a method for cutting teeth into working gears (1) using a tool (2), the tool main part (11) of which has a plurality of cutting teeth (3) which are arranged about a rotational axis (5) and which protrude radially from the tool main part (11), said cutting teeth (3) forming an end face (7), two tooth flanks (6, 6) which point away from each other, and cutting edges (18, 19). The cutting edges (18, 19) are formed from the tooth flank (6, 6) edges adjoining the end face (7). In a first method step, tooth gaps (17) which form tooth flanks (14, 14) are produced in the working gear (1) by means of the cutting edges (18, 19) using a machining process in a first position of the tool (2) relative to the working gear (1), and in a second method step, the working gear (1) tooth flanks (14, 14) produced by the cutting edges (18, 19) are fine-machined by an abrasive tool surface. The aim of the invention is to develop the known machining method so as to be advantageous for use and to provide a tool and a device which are suitable for the method. According to the invention, this is achieved in that the abrasive tool surfaces are made of the tooth flanks (6, 6) of the tool (2), which operates in a second position that differs from the first position relative to the working gear (1) in the second method step.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024262 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MICROBIAL STRAIN IMPROVEMENT BY A HTP GENOMIC ENGINEERING PLATFORM

(51) International classification :G06F19/22G06F19/28C12N15/10
(31) Priority Document No :62/264232
(32) Priority Date :07/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/065465
Filing Date :07/12/2016
(87) International Publication No :WO 2017/100377
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)SHELLMAN, Erin
7)KIMBALL, Aaron
8)SZYJKA, Shawn
9)FREWEN, Barbara
10)TREYNOR, Thomas
11)BRUNO, Kenneth S.

(57) Abstract :

The present disclosure provides a HTP microbial genomic engineering platform that is computationally driven and integrates molecular biology, automation, and advanced machine learning protocols. This integrative platform utilizes a suite of HTP molecular tool sets to create HTP genetic design libraries, which are derived from, inter alia, scientific insight and iterative pattern recognition. The HTP genomic engineering platform described herein is microbial strain host agnostic and therefore can be implemented across taxa. Furthermore, the disclosed platform can be implemented to modulate or improve any microbial host parameter of interest.



No. of Pages : 237 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024265 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : USE OF LONG-TERM FASTING MIMICKING AS DIETARY TREATMENT FOR MULTIPLE MYELOMA AND OTHER CANCERS

(51) International classification :A23L33/00A61K31/69A61K31/454
(31) Priority Document No :62/277649
(32) Priority Date :12/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/013158
Filing Date :12/01/2017
(87) International Publication No :WO 2017/123733
(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)UNIVERSITY OF SOUTHERN CALIFORNIA

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(72)Name of Inventor :

1)LONGO, Valter D.

2)WRIGHT, Woodring E.

(57) Abstract :

A method to treating a subject with multiple myeloma includes a step of identifying a patient having multiple myeloma. A fasting mimicking and enhancing diet is administered to the subject a predetermined time period of at least 8 days. A diet package for implementing the method is also provided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024268 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BORIDE PARTICLES, BORIDE PARTICLE DISPERSED LIQUID, INFRARED LIGHT SHIELDING TRANSPARENT BASE, INFRARED LIGHT SHIELDING OPTICAL MEMBER, INFRARED LIGHT SHIELDING PARTICLE DISPERSED BODY, INFRARED LIGHT SHIELDING LAMINATED TRANSPARENT BASE, INFRARED LIGHT SHIELDING PARTICLE DISPERSED POWDER, AND MASTER BATCH

(51) International classification	:C01B35/04
(31) Priority Document No	:2016-000301
(32) Priority Date	:04/01/2016
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/089095 :28/12/2016
(87) International Publication No	:WO 2017/119394
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)SUMITOMO METAL MINING CO., LTD.

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Tokyo 1058716 Japan

(72)Name of Inventor :

1)FUKUDA, Kenji

2)MIRATSU, Mitsunobu

3)TSUNEMATSU, Hirofumi

4)CHONAN, Takeshi

(57) Abstract :

Provided are boride particles which are represented by general formula XBm (wherein X represents one or more metal elements selected from among Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sr and Ca; and m represents a number expressing the amount of boron in the general formula), and wherein the amount of carbon contained in the boride particles is 0.2% by mass or less as determined by an infrared absorption method after combustion.



No. of Pages : 103 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024274 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR FORMING A WIND TURBINE FOUNDATION AND RELATED SYSTEM FOR FORMING SUCH A FOUNDATION

(51) International classification	:E02D27/42F03D13/20	(71) Name of Applicant : 1)VESTAS WIND SYSTEMS A/S Address of Applicant :Hedeager 42 8200 Aarhus N Denmark
(31) Priority Document No	:PA 2015 70845	
(32) Priority Date	:21/12/2015	
(33) Name of priority country	:Denmark	
(86) International Application No	:PCT/DK2016/050397	(72) Name of Inventor :
Filing Date	:25/11/2016	1)BROHM, Anders
(87) International Publication No	:WO 2017/108043	2)JENSEN, S,ren P.
(61) Patent of Addition to Application Number	:NA	3)LLGAARD, B,rge
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of forming a wind turbine foundation includes providing an anchor cage in an excavation pit, the anchor cage including an upper flange, a lower flange, and a plurality of anchor bolts extending therebetween. A first cementitious material is directed into the excavation pit so that the anchor cage becomes at least partially embedded in the material, which is allowed to cure to form a rigid body. A connecting element is selectively engaged with the upper flange and an actuating element is positioned in operative relation with the connecting element, the connecting and actuating elements positioned in non-contact relation with the anchor bolts. The actuating element is actuated relative to the connecting element to raise the upper flange from the rigid body into a leveled position. A second cementitious material is directed into a space beneath the raised upper flange and is allowed to cure to form a support layer.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024275 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHODS FOR MOUNTING OR DISMOUNTING A WIND TURBINE COMPONENT OF A MULTIROTOR WIND TURBINE

(51) International classification :F03D1/02F03D13/10F03D13/20
(31) Priority Document No :PA 2015 70857
(32) Priority Date :22/12/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2016/050435
Filing Date :15/12/2016
(87) International Publication No:WO 2017/108050
(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)VESTAS WIND SYSTEMS A/S

Address of Applicant :Hedeager 42 8200 Aarhus N Denmark

(72)Name of Inventor :

1)BAUN, Torben Ladegaard

(57) Abstract :

A method for mounting or dismounting a wind turbine component of an energy generating unit in a multirotor wind turbine is disclosed. The multirotor wind turbine comprises a tower configured to support one or more load carrying structures each arranged for supporting at least two energy generating units arranged at or near its ends and at opposite sides of the tower. The method comprises securing the load carrying structure against up and down tilting movements before positioning or dispositioning the wind turbine component at an end of the load carrying structure thereby reducing the loadings arising from the unbalance caused by the positioning or dispositioning the wind turbine component. The securing may be realized by compression bars, tethering, or the use of a counterweight.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024289 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A CONTINUOUSLY VARIABLE TRANSMISSION DEVICE WITH GEAR REGULATION DEVICE

(51) International classification	:F16H9/12F16H55/56
(31) Priority Document No	:102015000081834
(32) Priority Date	:10/12/2015
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2016/057251
Filing Date	:01/12/2016
(87) International Publication No	:WO 2017/098378
(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)PIAGGIO & C. S.P.A.

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Pontedera, PISA Italy

(72)Name of Inventor :

1)MARIOTTI, Walter

2)FRESCHI, Giacomo

3)NESTI, Paolo

(57) Abstract :

A continuously variable transmission device (1) for a two-, three- or four-wheel motorcycle comprises a gear shift regulation device provided with a slide (40) axially slidable and suitable to engage special rollers (18) to hold them during the gear shift. A mobile bushing (9) is suitable to influence the slide (40) to cause its translation from a rearward position to a forward limit position to engage the special rollers (18).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024290 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HIGH-YIELD RATIO HIGH-STRENGTH GALVANIZED STEEL SHEET, AND METHOD FOR PRODUCING SAME

(51) International classification	:C22C38/00C21D9/46C22C38/14
(31) Priority Document No	:2016-013205
(32) Priority Date	:27/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/002616
Filing Date	:26/01/2017
(87) International Publication No	:WO 2017/131055
(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)JFE STEEL CORPORATION

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(72)**Name of Inventor :**

1)YOSHITOMI Hiromi

2)HIRASHIMA Takuya

3)MASUOKA Hiroyuki

4)TSUDA Seisuke

5)KOBA Masaki

6)NISHIMURA Yasuhiro

7)NAKAGAITO Tatsuya

(57) Abstract :

Provided are: a high-yield ratio high strength galvanized steel sheet having a steel sheet containing Mn as a substrate, having high yield strength, outstanding galvanized appearance, corrosion resistance, in addition to plating peeling resistance when machined heavily; and a method for producing same. The high-yield ratio high-strength galvanized steel sheet comprises steel sheet having a specific constituent composition and a metal structure in which, by surface area ratio, ferrite does not exceed 20%, the total of bainite and tempered martensite is at least 40%, quenched martensite does not exceed 60%, and the average crystal grain size of bainite does not exceed 6.0 μ m, and a plating layer formed on said metal sheet, and having a coated plating weight per side of 20-120 g/m², and Mn content not exceeding 0.05g/m². The high-yield ratio high-strength galvanized steel sheet has a yield ratio of at least 65% and tensile strength of at least 950 MPa.



No. of Pages : 50 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024291 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DUAL RATE VEHICLE SUSPENSION SYSTEM

(51) International classification	:B60G11/50B60G17/027
(31) Priority Document No	:62/276499
(32) Priority Date	:08/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/012588
Filing Date	:06/01/2017
(87) International Publication No	:WO 2017/120509
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :8688 Woodbine Avenue, Suite 200
Markham, Ontario L3R 8B9 Canada

(72)Name of Inventor :

1)HOLT, Laurence J.

2)O'FLYNN, Damian

(57) Abstract :

A selectively switchable dual rate vehicle suspension system comprising a pushrod actuated inboard spring configuration, conventionally oriented between the unsprung mass and the sprung mass of one corner of the vehicle, comprising a torsion bar spring of a first predetermined rate, K1, and a coil spring of a second predetermined rate, K2, arranged in series so as to provide a total combined spring rate KT. A lockout actuator is arranged in parallel with the coil spring and configured so that in a first mode it allows the coil spring to move freely and in a second mode prevents motion of the coil spring such that when the lockout actuator is in a first, unlocked, mode the overall vehicle suspension spring rate is defined by the series equation $1/ KT = 1/K1 + 1/K2$, and when the lockout actuator is in a second, locked, mode the overall vehicle suspension spring rate is substantially higher as defined by $KT = K1$, thus selectively providing both a low rate, optimal ride comfort setting and a high rate, optimal handling setting.



No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024298 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A DEVICE FOR REMINDING A USER TO DRINK FROM A CONTAINER

(51) International classification :A47G19/22B67D7/20B65D43/02
(31) Priority Document No :14/956987
(32) Priority Date :02/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2016/051288
Filing Date :01/12/2016
(87) International Publication No :WO 2017/094012
(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)WATERIO LTD

Address of Applicant :24 Aaron Boxer Street 7405737 Ness Ziona Israel

(72)**Name of Inventor :**

1)BENTKOVSKI, Yakov

(57) Abstract :

Disclosed is a device for reminding a user to drink from a container. In one embodiment, the device may include a cover attachable to a container, at least one signal producing unit located in the cover, a tap button located on the exterior of the cover and a controller. The controller is configured to initiate a timeout period when the tap button is tapped and activate the signal producing unit if the tap button is not tapped before the lapse of the timeout period.

No. of Pages : 13 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024314 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NANOEMULSION OPTICAL MATERIALS

(51) International classification :B01J13/16G02B1/10G02B5/23
(31) Priority Document No :14/968586
(32) Priority Date :14/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060644
Filing Date :04/11/2016
(87) International Publication No :WO 2017/105666
(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)INDIZEN OPTICAL TECHNOLOGIES OF AMERICA, LLC

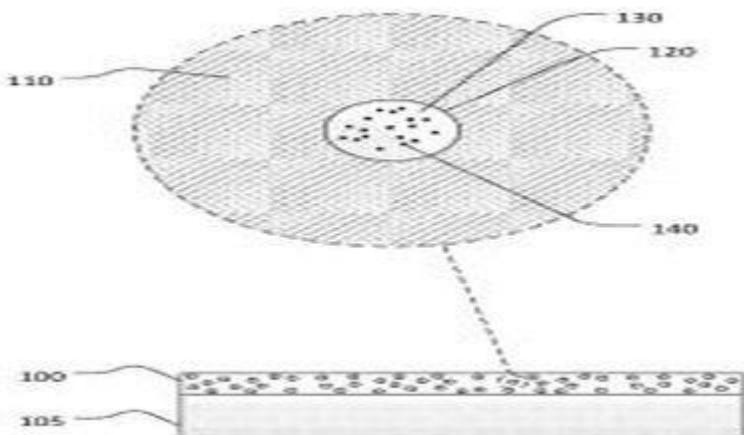
Address of Applicant :2925 CALIFORNIA STREET,
TORRANCE, CALIFORNIA 90503 USA U.S.A.

(72)Name of Inventor :

**1)ROSCINI, Claudio
2)TORRES-PIERNA, H@ctor
3)RUIZ-MOLINA, Daniel**

(57) Abstract :

There are disclosed nanoemulsion optical materials, methods of making nanoemulsion optical materials and optical articles comprising nanoemulsion optical materials. A nanoemulsion optical material includes a polymer matrix and a plurality of nano-droplets, comprising an optically interactive material, directly dispersed within the polymer matrix.



No. of Pages : 19 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024323 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING UPLINK INFORMATION

(51) International classification	:H04W72/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2015/100194
Filing Date	:31/12/2015
(87) International Publication No	:WO 2017/113332
(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)NEC CORPORATION

Address of Applicant :7-1, Shiba 5-chome Minato-ku, Tokyo
108-8001 Japan

2)na

(72)**Name of Inventor :**

1)GAO, Yukai

2)GAO, Yukai

3)SUN, Zhennian

4)WANG, Gang

(57) Abstract :

Embodiments of the present disclosure relate to a method and apparatus of transmitting uplink (UL) information and a method and apparatus of receiving UL information. In one embodiment of the present disclosure, the method of transmitting UL information comprises transmitting a reference signal using a first sequence; and transmitting UL control information using a second sequence; wherein a reference signal and the UL control information are staggered-multiplexed in frequency domain. With embodiments of the present disclosure, the uplink information can be transmitted in reduced uplink symbols so as to adapt for a proposed subframe structure with reduced uplink symbols and thus, the transmission latency can be reduced greatly.



No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024324 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUDIO PROCESSING DEVICE AND METHOD, AND PROGRAM

(51) International classification	:H04S1/00H04R1/10H04R3/00
(31) Priority Document No	:2016-002167
(32) Priority Date	:08/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/088379
Filing Date	:22/12/2016
(87) International Publication No	:WO 2017/119318
(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)SONY CORPORATION

Address of Applicant :1-7-1, Konan, Minato-ku, Tokyo
1080075 Japan

(72)Name of Inventor :

1)MAGARIYACHI Tetsu

2)MITSUFUJI Yuhki

3)MAENO Yu

(57) Abstract :

The present technology relates to an audio processing device and method, and to a program, which enable audio reproduction with increased efficiency. In a head-related transfer function synthesis unit in the present technology, a diagonalized head-related transfer function matrix is pre-held. The head-related transfer function synthesis unit synthesizes an input signal in an annular harmonic domain for audio reproduction and the diagonalized head-related transfer function matrix pre-held. An annular harmonic inverse transformation unit generates a headphone drive signal in a time-frequency domain by performing, on the basis of an annular harmonic function, annular harmonic inverse transformation on a signal resulting from the synthesis performed by the head-related transfer function synthesis unit. The present technology can be applied to an audio processing device.



No. of Pages : 79 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024325 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GAS TURBINE DISC

(51) International classification	:F01D5/08
(31) Priority Document No	:16153208.0
(32) Priority Date	:28/01/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/050923
Filing Date	:18/01/2017
(87) International Publication No	:WO 2017/129455
(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)SIEMENS AKTIENGESELLSCHAFT

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Munich Germany

(72)Name of Inventor :

1)BATT, Stephen

2)GOPAL, Thanasekaran

(57) Abstract :

A rotor disc (36) for a gas turbine (10) comprises: - at least a root cavity (75) for coupling with a blade (38, 60) of the gas turbine, - a disc cooling hole (70) for connecting the root cavity (75) with a source of a cooling gas. The disc cooling hole (70) has a cross section (S) having a first major axis (W1) inclined with respect to a circumferential direction of the rotor disc (36) of a first inclination angle (I) comprised between 0 and 45 degrees. A first distance (D1) along the major axis (W1) of the cross section (S) is greater than a second distance (D2) along a second minor axis (W2) of the cross section (S), the major and minor axes (W1, W2) being mutually orthogonal.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024326 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FUNGAL CONTROL OF WHITE MOLD

(51) International classification :A01N43/30A01N43/40A01N43/54
(31) Priority Document No :62/273398
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/068219
Filing Date :22/12/2016
(87) International Publication No :WO 2017/116951
(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)DOW AGROSCIENCES LLC

Address of Applicant :9330 Zionsville Road Indianapolis, IN 46268 U.S.A.

(72)Name of Inventor :

1)CORREA DA SILVA, Olavo

2)KEMMITT, Greg

3)BERNHARD, Hans U.

4)CAILLIAU, Mathilde M.

(57) Abstract :

A fungicidal composition containing a fungicidally effective amount of a compound of Formula (I), (3S,6S,7R,8R)-8-benzyl-3-(3-((isobutyryloxy)methoxy)-4-methoxy-picolinamido)-6-methyl-4,9-dioxo-1,5-dioxonan-7-yl isobutyrate for use on white mold. Additionally, this disclosure concerns a fungicidal composition containing (a) a compound of Formula (I), (3S,6S,7R,8R)-8-benzyl-3-(3-((isobutyryloxy)methoxy)-4-methoxypicolinamido)-6-methyl-4,9-dioxo-1,5-dioxonan-7-yl isobutyrate and (b) at least one fungicide selected from the group consisting of azoxystrobin, prothioconazole and tebuconazole for control of white mold.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024331 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PEER-TO-PEER DATA TRANSMISSION METHOD, APPARATUS, AND SYSTEM

(51) International classification	:H04W72/02H04W8/24	(71) Name of Applicant : 1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. Address of Applicant :No. 18, Haibin Road, Wusha, Chang'an Dongguan, Guangdong 523860 China
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/CN2016/073678	
Filing Date	:05/02/2016	
(87) International Publication No	:WO 2017/133000	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a peer-to-peer data transmission method, apparatus, and system. The method comprises: a transmitting terminal determines a first time-frequency resource configured to transmit data to a receiving terminal; and the transmitting terminal transmits, on the first time-frequency resource, data to the receiving terminal; wherein the transmitting terminal transmits the data to the receiving terminal while transmitting data to other receiving terminals; the transmitting terminal transmits different data to at least one of the other receiving terminals and the receiving terminal; and/or the transmitting terminal transmits different data to two or more of the other receiving terminals. The embodiment can implement different D2D service interaction for different terminal apparatus combinations.



No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024336 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : GLASS FURNACE WITH IMPROVED PRODUCTION RATE

(51) International classification :C03B5/237C01B3/46C03B5/235
(31) Priority Document No :62/387125
(32) Priority Date :23/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067778
Filing Date :20/12/2016
(87) International Publication No :WO 2017/112671
(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)PRAXAIR TECHNOLOGY, INC.

Address of Applicant :10 Riverview Drive Danbury, CT 06810 U.S.A.

(72)Name of Inventor :

1)KOBAYASHI, Hisashi

(57) Abstract :

The efficiency and output of glass furnace operation employing thermochemical regeneration is improved by controlling operation conditions over the feeding zone to reduce the difference between the temperature at the furnace crown within, and outside of, the feeding zone.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024344 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BIOLOGICAL INDICATORS

(51) International classification	:C12Q1/22A61L2/07C12M1/12
(31) Priority Document No	:15/005182
(32) Priority Date	:25/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/046144
Filing Date	:09/08/2016
(87) International Publication No	:WO 2017/131819
(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)AMERICAN STERILIZER COMPANY

Address of Applicant :5960 Heisley Road Mentor, Ohio 44060
U.S.A.

(72)Name of Inventor :

1)YIRAVA, William A.

2)BEAHN, Nicole M.

3)FRANCISKOVICH, Phillip P.

4)CREGGER, Tricia

(57) Abstract :

This invention relates to a biological indicator, comprising: a carrier inoculated with a test organism and an effective amount of a carbohydrate to reduce the resistance of the biological indicator to steam sterilization. The invention relates to a steam sterilization process using the biological indicator.



No. of Pages : 18 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024345 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EXTENDED DURATION LOCAL ANESTHETIC FORMULATION

(51) International classification :A61K9/08A61K9/14A61K31/24
(31) Priority Document No :14/960214
(32) Priority Date :04/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/064782
Filing Date :02/12/2016
(87) International Publication No:WO 2017/096273
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)POULSEN, Jeremy

2)VOLZ, Lawrence

3)STANFIELD, Louis

(57) Abstract :

An extended duration anesthetic includes a short duration local anesthetic in a dilute solution and a long duration local anesthetic. The long duration local anesthetic is maintained in a powdered form until the time of administration. Premeasured quantities of the dilute solution and powdered long duration local anesthetic in a kit allow for quick preparation of a solution with desired concentrations of both short duration local anesthetic and long duration local anesthetic at the time of administration.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024346 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COMMUNICATION SYSTEM FOR THE COMMUNICATION IN A COMMUNICATION NETWORK HAVING SUB-NETWORKS

(51) International classification :H04W12/06H04W8/08H04W48/18
(31) Priority Document No :10 2015 122 983.8
(32) Priority Date :30/12/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/082647
Filing Date :23/12/2016
(87) International Publication No :WO 2017/114800
(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)DEUTSCHE TELEKOM AG

Address of Applicant :Friedrich-Ebert-Allee 140 53113 Bonn Germany

(72)Name of Inventor :

1)BISCHINGER, KURT

(57) Abstract :

The invention relates to a communication system (300) for the communication in a communication network (303), wherein the communication network (303) has a first sub-network (307) and a second sub-network (311), comprising: a first identification entity (309), which is associated with the first sub-network (307) and is designed to receive an identity (302) of a communication terminal (301) and to identify the communication terminal (301) on the basis of the identity (302) for the communication via the first sub-network (307); a second identification entity (313), which is associated with the second sub-network (311) and is designed to receive the identity (302) of the communication terminal (301) and to identify the communication terminal (301) on the basis of the identity (302) for the communication via the second sub-network (311); and a management entity (319), which is designed to authenticate the communication terminal (301) for the communication via the particular sub-network (307, 311).



No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024352 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPLANT SHAPED TO BE ADAPTED TO BONE STRUCTURE COMPRISING A BASE AND ASSOCIATED PRODUCTION METHOD

(51) International classification	:A61C8/00	(71) Name of Applicant :
(31) Priority Document No	:10 2015 122 800.9	1)KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG
(32) Priority Date	:23/12/2015	Address of Applicant :Kolbinger Strae 10 78570 Mülheim Germany
(33) Name of priority country	:Germany	(72) Name of Inventor :
(86) International Application No	:PCT/EP2016/079244	1)WAIZENEGGER, Axel
Filing Date	:30/11/2016	2)REINAUER, Frank
(87) International Publication No	:WO 2017/108357	3)GELLRICH, Nils-Claudius
(61) Patent of Addition to Application Number	:NA	4)RAHLF, Björn
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an implant (1) for attaching to a bone (10) with a support structure (2), which comprises at least one securing portion (3) which follows the bone outer structure and is to be attached to the bone (10), wherein a base (4) for receiving a prosthesis directly or by using an intermediate part (abutment) projects from the support structure (2). In addition, the invention also relates to a method for producing an implant (1), comprising the step of capturing individual patient data, and creating the support structure (2) and/or the base (4) on the basis of individual patient data.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024353 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ENVIRONMENTALLY FRIENDLY BUILDING STRUCTURE KIT

(51) International classification :E04C1/00E04B2/08
(31) Priority Document No :201610098785.X
(32) Priority Date :17/02/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/000151
 Filing Date :10/02/2017
(87) International Publication No :WO 2017/140187
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Room 401, 4/F, Guobao Anfang Bldg
129 Pingji Road, Pinghu Dist., Longgang Shenzhen, Guangdong
518112 China

(72)Name of Inventor :

1)HON, Man Ching

(57) Abstract :

An environmentally friendly building structure kit, comprising a standard structure element (1), a left corner structure element (2), a right corner structure element (3), an adjusting structure element (4), and a reinforced positioning insertion rod (5). Positioning holes (6) and wiring pipe holes (7) run from the top to the bottom at the middle parts of the structure components. A transverse wiring pipe groove (8) is formed when two of the structure elements are stacked together. The standard structure element (1) is provided with a left protruding structure (9), a right recessed structure (10), an upper protruding structure (11), a lower recessed structure (12), and fa\$ades (13) on either side. The structure elements are set up together with the reinforced positioning insertion rod (5) and a connecting connector (15) connected to the reinforced positioning insertion rod (5) and then tightly snapped into a single body, thus obviating the need for an adhesive and touchup and decoration processing. The structure kit can be constructed and dismantled repeatedly.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024354 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONCRETE PANEL SYSTEM AND METHOD FOR FORMING REINFORCED CONCRETE BUILDING COMPONENTS

(51) International classification	:E04B2/10	(71) Name of Applicant :
(31) Priority Document No	:NA	1)CONVERGENT MARKET RESEARCH, INC.
(32) Priority Date	:NA	Address of Applicant :1211 NEWNING AVENUE, AUSTIN, TEXAS, 78704 (US). U.S.A.
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:PCT/US2015/067819	1)DAIBER, Mark
Filing Date	:29/12/2015	2)MILLER, Clark Isaac
(87) International Publication No	:WO 2017/116414	3)TINGLEY, Robert James
(61) Patent of Addition to Application Number	:NA	4)TORRES, Michael
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A concrete panel system includes first, second, and third rectangular precast concrete panels, each defining a respective top edge, bottom edge, and first and second lateral edges. A first type connector is formed in the concrete material at least along the top edge of the first panel and along the first lateral edge of the first panel. A second type connector is formed in the concrete material at least along the second lateral edge of the second panel, and along the bottom edge of the third panel. The first type connector and the second type connector are configured to connect together, and a cavity is formed between the respective panel edges. This cavity extends along both the top edge of the first panel and the first lateral edge of the first panel to facilitate positioning reinforcing bar traversing a corner of the first or second panel.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024360 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : POINT SWITCH, AND RAILWAY NETWORK COMPRISING AT LEAST ONE POINT SWITCH OF SAID TYPE

(51) International classification :E01B2/00E01B25/12E01B25/28
(31) Priority Document No :0233/16
(32) Priority Date :22/02/2016
(33) Name of priority country :Switzerland
(86) International Application No :PCT/CH2017/000016
Filing Date :20/02/2017
(87) International Publication No:WO 2017/143463
(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)SWISS TRANSPORTATION RESEARCH INSTITUTE AG

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(72)**Name of Inventor :**

**1)BAHMAN, Ramon Alexander
2)BAHMAN, Aurelius Christian
3)BAHMAN, Severin Alexis**

(57) Abstract :

A point switch is designed such that the point plates (1, 2) of the point switch which support the tracks (11, 12) are placed vertically on top of each other and that the position of the points is set by vertically moving the point plates.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024363 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD OF SUSPENSION POLYMERIZATION OF DROPLETS DISTRIBUTED IN AN AQUEOUS MEDIUM

(51) International classification :B01F3/08C08F2/20C08F230/06
(31) Priority Document No :62/270733
(32) Priority Date :22/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2016/066853
 Filing Date :15/12/2016
(87) International Publication No :WO 2017/112515
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :100 Independence Mall West
Philadelphia, PA 19106 U.S.A.

(72)Name of Inventor :

1)SAVO, Andrew, M.

2)REICHERT, Matthew, D.

3)FINCH, John, David

4)MCINTOSH, Lester, H.

5)JOHNSON, Robert

6)SCHULTZ, Alfred, K.

(57) Abstract :

Provided is a method of suspension polymerization comprising (I) providing a composition comprising droplets distributed in an aqueous medium, wherein the droplets comprise one or more boronic acids, one or more monomers, and one or more initiators, and wherein the aqueous medium comprises polyvinyl alcohol; wherein the one or more boronic acids are present in an amount of 0.002% or more, by weight based on the weight of the droplets, and (II) stressing the composition so that the initiator initiates polymerization of the monomer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024364 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FOAMED ASPHALT COMPOSITIONS, RECYCLED ASPHALT COMPOSITION INCLUDING THE SAME, ASPHALT PAVEMENT INCLUDING THE SAME, AND METHODS OF FORMING ASPHALT PAVEMENT USING THE SAME

(51) International classification	:C08L95/00C08L23/30C08J11/00
(31) Priority Document No	:62/273742
(32) Priority Date	:31/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/067845
Filing Date	:20/12/2016
(87) International Publication No	:WO 2017/116861
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)WANG, Wei
2)YUAN, Ruixing
3)SHEN, Yuansheng
4)WANG, Xiang
5)LI, Jun

(57) Abstract :

Foamed asphalt compositions, recycled asphalt compositions, asphalt pavement, and methods of forming asphalt pavement using the foamed asphalt compositions are provided herein. An exemplary foamed asphalt composition is in a cellular matrix form and includes a base asphalt component and oxidized high density polyethylene. An exemplary asphalt pavement includes a recycled asphalt layer that includes the foamed asphalt composition and a recycled asphalt component. An exemplary method of forming asphalt pavement includes combining a base asphalt component and an oxidized high density polyethylene to form an asphalt mixture. The asphalt mixture is foamed using water and compressed air to form a foamed asphalt composition. The foamed asphalt composition and a recycled asphalt component are combined to form a recycled asphalt composition. A recycled asphalt layer is formed with the recycled asphalt composition.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024365 A

(43) Publication Date : 30/11/2018

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

(51) International classification :A61K39/395A61K47/68C07K16/28
(31) Priority Document No :62/262369
(32) Priority Date :02/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/064642
Filing Date :02/12/2016
(87) International Publication No :WO 2017/096179
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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3)LUDWIG INSTITUTE FOR CANCER RESEARCH
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(72)Name of Inventor :

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2)WAIGHT, Jeremy D.
3)RITTER, Gerd
4)SCHAER, David
5)HIRSCHHORN-CYMERMAN, Daniel
6)MERGHOUB, Taha
7)BREOUS-NYSTROM, Ekaterina V.
8)SEIBERT, Volker
9)TSUJI, Takemasa
10)LEGER, Olivier
11)UNDERWOOD, Dennis J.
12)VAN DIJK, Marc

(57) Abstract :

The present disclosure provides multispecific (e.g., bispecific) antibodies that specifically bind to human GITR and/or human OX40 as well as compositions comprising such antibodies. In a specific aspect, the multispecific antibodies specifically bind to human GITR and OX40 and modulate GITR and/or OX40 activity, e.g., enhance, activate, or induce GITR and/or OX40 activity, or reduce, deactivate, or inhibit GITR and/or OX40 activity. The present disclosure also provides methods for treating disorders, such as cancer, by administering a multispecific antibody that specifically binds to human GITR and/or OX40 and modulates GITR and/or OX40 activity, e.g., enhances, activates, or induces GITR and/or OX40 activity. Also provided are methods for treating autoimmune or inflammatory diseases or disorders, by administering a multispecific antibody that specifically binds to human GITR and/or OX40 and modulates GITR and/or OX40 activity, e.g., reduces, deactivates, or inhibits GITR and/or OX40 activity.



No. of Pages : 136 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024374 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMMUNE EFFECTOR CELL THERAPIES WITH ENHANCED EFFICACY

(51) International classification :C12N5/0783C12N15/113C07D295/00
(31) Priority Document No :PCT/CN2015/099882
(32) Priority Date :30/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/113612
Filing Date :30/12/2016
(87) International Publication No :WO 2017/114497
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Lichtstrasse 35, 4056 Basel Switzerland

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3)na

4)na

5)na

6)na

7)na

8)na

9)na

(72)Name of Inventor :

1)MOTZ, Gregory

2)MAVRAKIAS, Konstantinos John

3)LIU, Jinbiao

4)LIU, Lei

5)ZHENG, Qiangang

6)XUN, Guoliang

7)XIAO, Qitao

(57) Abstract :

Provided are the use of LSD1 inhibitors in connection with use and manufacture of immune effector cells (e.g., T cells, NK cells), e.g., engineered to express a chimeric antigen receptor (CAR), to treat a subject having a disease, e.g., a disease associated with expression of a tumor antigen.



No. of Pages : 360 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024375 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A CABLE JACKET COMPOSITION, CABLE JACKET AND A CABLE, E.G. A POWER CABLE OR A COMMUNICATION CABLE

(51) International classification :H01B3/44C08K5/23C08L23/08
(31) Priority Document No :15201069.0
(32) Priority Date :18/12/2015
(33) Name of priority country :EPO
(86) International Application No:PCT/EP2016/080541
 Filing Date :12/12/2016
(87) International Publication No :WO 2017/102609
(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)BOREALIS AG

Address of Applicant :Wagramer Strasse 17-19 1220 Vienna
Austria

(72)**Name of Inventor :**

1)WANNERSKOG, Asa

(57) Abstract :

The present invention relates to a cable jacket composition comprising an expandable and crosslinkable jacket blend of: a polymer composition comprising a polyolefin material, which polyolefin material bears silane moieties, and a foaming system, wherein the provided jacket blend will comprise at least 0.1 % by weight of a foaming agent, with respect to the total weight of the polyolefin material; cable jacket; cable, e.g. a power cable or a communication cable; and uses thereof.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024376 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PHOSPHOLIPIDATION OF IMIDAZOQUINOLINES AND OXOADENINES

(51) International classification	:C07F9/6558
(31) Priority Document No	:62/266858
(32) Priority Date	:14/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2016/080647
Filing Date	:12/12/2016
(87) International Publication No	:WO 2017/102654
(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)GLAXOSMITHKLINE BIOLOGICALS S.A.

Address of Applicant :Rue de l'Institut 89 B-1330 Rixensart Belgium

(72)Name of Inventor :

1)BAZIN-LEE, Helene, G.

2)BESS, Laura, S.

3)JOHNSON, David, A.

(57) Abstract :

The present invention relates to a process for phospholipidation of imidazoquinolines and oxoadenines. More particularly, the present invention relates to a high-yielding and scalable procedure for the phospholipidation of imidazoquinolines and oxoadenines which obviates the need to isolate unstable phosphoramidite intermediates. This process may be used for the phospholipidation of toll-like receptor 7 (TLR7) - active and toll-like receptor (TLR8) -active imidazoquinolines and oxoadenines.

No. of Pages : 34 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024377 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PROCESS FOR MANUFACTURING A POWER CABLE AND POWER CABLE OBTAINABLE THEREOF

(51) International classification	:H01B13/14	(71) Name of Applicant :
(31) Priority Document No	:15201031.0	1)BOREALIS AG
(32) Priority Date	:18/12/2015	Address of Applicant :Wagramer Strasse 17-19 1220 Vienna Austria
(33) Name of priority country	:EPO	(72) Name of Inventor :
(86) International Application No	:PCT/EP2016/080379	1)WANNERSKOG, ...sa
Filing Date	:09/12/2016	2)GALANTE, Francisco
(87) International Publication No	:WO 2017/102575	3)WALTER, Peter
(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 process for manufacturing a power cable, which power cable comprises at least one core comprising a conductor and an expanded and crosslinked insulation layer surrounding said conductor, wherein said process comprises the steps a) to d): a) providing a blend of: a polymer composition comprising a polyolefin material, which polyolefin material bears silane moieties; a catalyst and a foaming system, wherein the provided blend will comprise at least 0.1 % by weight of a foaming agent, with respect to the total weight of the polyolefin material; b) extruding a blend, as described in step a), on the conductor to form an insulation layer; c) foaming the insulation layer; and d) crosslinking the insulation layer; a power cable which is obtainable by the process, and use of the power cable.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024378 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NEMATOCIDAL HETEROCYCLIC AMIDES

(51) International classification :C07D333/38C07D277/56C07D307/08
(31) Priority Document No :62/272728
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/065580
Filing Date :08/12/2016
(87) International Publication No :WO 2017/116646
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Chestnut Run Plaza 974 Centre Road,
P. O. Box 2915 Wilmington, Delaware 19805 U.S.A.

(72)Name of Inventor :

1)LAHM, George Philip

2)DEANGELIS, Andrew Jon

3)CAMPBELL, Matthew James

(57) Abstract :

Disclosed are compounds of Formulae 1, 1a, 1b and 2, INSERT FORMULAE 1, 1A, 1B AND 2 wherein R1, R1a, R1b, R2, R3 and R4 are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formulae 1, 1a and 1b, and methods for controlling a parasitic nematode comprising contacting the parasitic nematode or its environment with a biologically effective amount of a compound or composition of Formulae 1, 1a, 1b and 2.

No. of Pages : 53 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024379 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A COMPOUNDED POLYETHYLENE COMPOSITION, PROCESS FOR ITS MANUFACTURING AND ARTICLES COMPRISING IT

(51) International classification	:C08L23/04	(71) Name of Applicant :
(31) Priority Document No	:15201197.9	1)BOREALIS AG
(32) Priority Date	:18/12/2015	Address of Applicant :Wagramer Strasse 17-19 1220 Vienna Austria
(33) Name of priority country	:EPO	(72) Name of Inventor :
(86) International Application No	:PCT/EP2016/079951	1)ANKER, Martin
Filing Date	:06/12/2016	2)WATSON, Ann
(87) International Publication No	:WO 2017/102463	3)HJ.,RTFORS, Anna
(61) Patent of Addition to Application Number	:NA	4)WANNERSKOG, Asa
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a compounded polyethylene composition having a density of 930 to 965 kg/m³ and comprising at least 0.01 percent by weight (wt-%) of sodium bicarbonate after compounding of the compounded polyethylene composition, wherein the ratio between sodium bicarbonate, in the polyethylene composition, before and after compounding is X, wherein X₁ ≤ X < X₂, and X₁ is 1.00 and X₂ is 2.00, an article, for example, a coating, a wire or a cable, comprising the compounded polyethylene composition, a process for producing the article, and use of the compounded polyethylene composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024381 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ROTOR BLADE FOR A WIND TURBINE

(51) International classification	:F03D1/06
(31) Priority Document No	:15198408.5
(32) Priority Date	:08/12/2015
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2016/079587
Filing Date	:02/12/2016
(87) International Publication No	:WO 2017/097677
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)BERTHILSSON, Rikard

2)WEDDIG, Bjrn

3)PESLIAKAS, Gerardo

(57) Abstract :

The disclosure relates to a rotor blade (104) for a wind turbine, the rotor blade (104) comprising two or more wing members (110, 112, 114), wherein each wing member has an airfoil shaped cross-section as seen in a plane transverse to the longitudinal extension of the wing member, wherein each wing member (110, 112, 114) is divided into at least a first sub-member (110a) and a second sub-member (110b), the sub-members (110a-b) being arranged one after another along a longitudinal direction of the rotor blade (104), wherein, in each wing member (110, 112, 114), at an interface (116) between the first and the second sub-member (110a- b), the first sub-member (110a) is arranged in the rotor blade (104) with an outer end angular orientation about the longitudinal direction and the second sub-member (110b) is arranged in the rotor blade (104) with an inner end angular orientation about the longitudinal direction, the inner end angular orientation of the second sub-member (110b) being different from the outer end angular orientation of the first sub-member (110a). The disclosure also relates to a sub-member adapted to extend from an inner end to and outer end and to thereby form a discrete portion of a longitudinal extension of a wing member (110, 112, 114) of a rotor blade (104) for a wind turbine.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2018

(21) Application No.201814018568 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A COMPACT CONNECTOR

(51) International classification	:B65D88/1631
(31) Priority Document No	:1754572
(32) Priority Date	:23/05/2017
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)ERWAN GILBERT

(57) Abstract :

A connector (10) comprising a housing (20) and at least two strand fastener units (30) for fastening strands to the connector. The housing (20) presents an internal chamber (26) opening out into a rear face (25) of the housing. Each of the strand fastener units comprises a contact (32) and a sleeve (36), said contact (32) being configured to be fastened to one end of a strand (40). The connector presents, for each of said first and second strand fastener units (30), a bayonet coupling enabling at least part of the strand fastener unit (30) to be mounted inside the internal chamber of the housing. Advantageously, the housing and the strand fastener units are configured so that, during mounting, the strand fastener units are inserted through a common opening into the housing. Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2018

(21) Application No.201814018589 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : VEHICLE AND CONTROL METHOD FOR VEHICLE

(51) International classification	:F01M9/10
(31) Priority Document No	:2017-101375
(32) Priority Date	:23/05/2017
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)KITAURA, Koichi

3)TSUKAGOSHI, Takahiro

4)INOSHITA, Kenji

5)SUZUKI, Kazuya

6)YOSHIDA, Takeru

7)CHINZEI, Isao

8)OTSUKA, Kaoru

(57) Abstract :

A vehicle (100) includes an internal combustion engine (10) including an exhaust passage, a catalyst (53) provided in the exhaust passage, and an electronic control unit (90). When the engine stop condition is established, the electronic control unit (90) stops fuel injection and increases a catalyst inflow oxygen amount that is an amount of oxygen flowing into the catalyst by a specified oxygen increase amount. The engine stop condition is a condition for stopping operation of the internal combustion engine (10). The specified oxygen increase amount is larger than an increased part of the catalyst inflow oxygen amount that is increased by the stop of the fuel injection.



No. of Pages : 39 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2018

(21) Application No.201814018743 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OPERATION FORCE TRANSMISSION MECHANISM

(51) International classification	:F01M9/10	(71) Name of Applicant :
(31) Priority Document No	:2017-100788	1)Kabushiki Kaisha Tokai Rika Denki Seisakusho Address of Applicant :260, Toyota 3-chome, Ohguchi-cho, Niwa-gun, Aichi 480-0195 (JP) Japan
(32) Priority Date	:22/05/2017	(72) Name of Inventor :
(33) Name of priority country	:Japan	1)GOTO, Atsushi
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A vehicle communication system includes an on-board vehicle communication module and a remote communication module. The on-board vehicle communication module includes a light source that is configured to be modulated in order to transmit data, an on-board controller that controls the light source and an on-board memory that is operably coupled to the on-board controller such that the on-board controller can obtain data from the on-board memory for transmission by the light source. The remote communication module includes a light receiver that is sensitive to the modulated light provided by the light source forming part of the on-board vehicle communication module. In some cases, the vehicle communication system enables bidirectional communication between the vehicle communication module and the remote communication module.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027611 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CHEMICAL COMPOUNDS AS INHIBITORS OF KINASE ACTIVITY

(51) International classification :C07D213/76A61K31/496A61P11/00
(31) Priority Document No :1602527.2
(32) Priority Date :12/02/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/052954
Filing Date :10/02/2017
(87) International Publication No :WO 2017/137535
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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- 3)CAMPOS, Sebastien Andre**
- 4)CANNONS, Edward Paul**
- 5)COOPER, Anthony William James**
- 6)DOWN, Kenneth David**
- 7)DOYLE, Kevin James**
- 8)HAMBLIN, Julie Nicole**
- 9)INGLIS, Graham George Adam**
- 10)LE GALL, Armelle**
- 11)PATEL, Vipulkumar Kantibhai**
- 12)PEACE, Simon**
- 13)SHARPE, Andrew**
- 14)WHITE, Gemma Victoria**

(57) Abstract :

The invention is directed to certain novel compounds. Specifically the invention is directed to compounds of formula (I): (I) and salts thereof. The compounds of the invention are inhibitors of kinase activity in particular PI3- kinase activity.



No. of Pages : 145 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027612 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SCROLL FLUID MACHINE

(51) International classification :F04C18/02F01C1/02F01C21/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No:PCT/JP2016/063863
 Filing Date :10/05/2016
(87) International Publication No :WO 2017/195272
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)**Name of Inventor :**
1)WATANABE Sho
2)KOBAYASHI Yoshio
3)KANEMOTO Yoshiyuki

(57) Abstract :

The purpose of the present invention is to provide a scroll fluid machine configured so that during maintenance grease can be easily supplied to a bearing regardless of an installation environment thereby improving work efficiency. The present invention provides a scroll fluid machine characterized by comprising: a stationary scroll obtained by forming a wrap section on an end plate; an orbiting scroll obtained by forming a wrap section on an end plate such that the wrap section faces the wrap section of the stationary scroll; a drive shaft for driving the orbiting scroll; an orbiting bearing for supporting the drive shaft relative to the orbiting scroll; and a plurality of pouring openings for pouring a lubricant into the orbiting bearing from the outside.



No. of Pages : 16 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027274 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A HOLSTER FOR A FIREARM WITH AN ELECTRONIC DEVICE FOR DETECTING AND SENDING DATA

(51) International classification	:F41C33/02	(71) Name of Applicant : 1)VEGA HOLSTER S.R.L. Address of Applicant :Via di Mezzo 31 - Zona Ind. I Moretti 56012 Calcinaia (PI) Italy
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/IT2016/000024	(72) Name of Inventor : 1)TOSCHI, Francesco
Filing Date	:01/02/2016	
(87) International Publication No	:WO 2017/134690	
(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 concerns a device (1) for a holster (10) of a firearm and comprising: At least one sensor (30 40) suitable for detecting the presence of the arm in the holster; The device being configured to communicate with an external device. In this way the presence or not of the firearm in the holster can be communicated to such an external device. Movement means suitable for detecting also a movement of the holster can also be integrated.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027292 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOVABLE PLATFORM FOR PHYSICAL EXERCISE

(51) International classification :A63B69/00A61H1/02A61B5/103
(31) Priority Document No :102016000007697
(32) Priority Date :26/01/2016
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2017/050386
Filing Date :25/01/2017
(87) International Publication No :WO 2017/130112
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Via Torino, 2 20123 Milano Italy

(72)Name of Inventor :

1)D'ALESIO, Gionata

(57) Abstract :

The invention relates to a movable platform (1) for physical exercise comprising: a fixed base (10); at least one board (20) having an upper surface (21) that can accommodate at least one person who must perform a physical exercise or also sporting equipment said board (20) being connected to said base (10) with the possibility of rotating about at least one axis (X Y) and/or of moving at least along one direction (Z); actuator means (30) interposed between the base (10) and the board (20) configured to impart to the board (20) at least a rotation about said at least one axis (X Y) at least a movement at least along said direction (Z) or combinations of these movements; a control unit (40) operatively connected to the actuator means (30) configured to control activation or deactivation of said actuator means (30) to rotate and/or move the board (20) between a reference position and perturbed positions said control unit (40) generating a sequence of motor interferences that influence the balance of the person performing the exercise.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027299 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TISSUE AUGMENTATION SCAFFOLDS FOR USE WITH SOFT TISSUE FIXATION REPAIR SYSTEMS AND METHODS

(51) International classification	:A61B17/04	(71) Name of Applicant :
(31) Priority Document No	:62/289702	1)MEDOS INTERNATIONAL SRL
(32) Priority Date	:01/02/2016	Address of Applicant :Chemin-Blanc 38 2400 Le Lode Switzerland
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:PCT/US2017/015954	1)WHITTAKER, Gregory R.
Filing Date	:01/02/2017	2)CLEVELAND, Benjamin
(87) International Publication No	:WO 2017/136396	3)BERTI, Stefano
(61) Patent of Addition to Application Number	:NA	4)DIAB, Tamim
Filing Date	:NA	5)PARRISH, William R.
(62) Divisional to Application Number	:NA	6)THEIS, Reagan A.
Filing Date	:NA	7)SENGUN, Mehmet Ziya

(57) Abstract :

Devices systems and methods to improve both the reliability of soft tissue repair procedures and the speed at which the procedures are completed are provided. The devices and systems include one or more tissue augmentation constructs which include constructs that are configured to increase a footprint across which suture applied force to tissue when the suture is tied down onto the tissue. The tissue augmentation constructs can be quickly and easily associated with the repair suture and can be useful in many different tissue repair procedures that are disclosed in the application. In one exemplary embodiment one or more constructs are disposed on a suture threader which can be used to associate the construct(s) with a repair suture(s) being used to repair the soft tissue. Tissue augmentation constructs can include various blocks and patches among other formations. Exemplary methods for manufacturing the tissue augmentation constructs are also provided.



No. of Pages : 147 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027324 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TERMINAL DEVICE AND CONTROL METHOD THEREFOR

(51) International classification :H04L29/08G08C17/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/077951
 Filing Date :31/03/2016
(87) International Publication No :WO 2017/166149
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)LI, Zijun

2)YANG, Fen

3)SHENG, Chen

(57) Abstract :

A terminal device sends an orientation signal in the direction of a device to be controlled; the device to be controlled establishes a transmission channel with the terminal device according to the orientation signal; the device to be controlled returns a response signal to the terminal device after receiving the orientation signal; the terminal device controls the start of an application corresponding to the device to be controlled according to the response signal. A user can use a terminal device to transmit an orientation signal in a particular direction such that devices in the direction return respective response signals to the terminal device; the terminal device can start a particular application according to the response signals. Therefore the process that a user controls devices to be controlled using a terminal device and searches applications of the devices to be controlled becomes simple and there is no need to search multiple applications one by one for the required application thereby achieving easy operations.



No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027627 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FLASH MEMORY DEVICE REFRESHING METHOD AND APPARATUS

(51) International classification	:G11C11/406
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2016/075958
Filing Date	:09/03/2016
(87) International Publication No	:WO 2017/152392
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)SHI, Liang

2)DI, Yeqia

3)SHA, HSING MEAN

4)WANG, Yuangang

5)SHAN, Dongfang

(57) Abstract :

A method and apparatus for refreshing a flash memory device achieving optimization of refresh operations for flash memories. The method comprises: a memory controller (112) reading first data from a first flash block (S402) and determining a bit error rate of the first data (S404); when the bit error rate is greater than a preset threshold (S406) the memory controller (112) determining a refresh cycle of the first flash block on the basis of the number of erasures of the first flash block (S410) and performing a refresh operation on the first flash block according to the determined refresh cycle (S412). The present method takes into account process differences between flash blocks of a flash memory device (108) and by using flash blocks as the granularity and by monitoring the actual bit error rate of each flash block the method is able to maximize the performance potential for the flash blocks. The method not only ensures that the stored data is correct but also delays the updating of the refresh cycle as much as possible and slows down wear of the flash blocks caused by refresh operations thereby improving the performance of the flash memory device as a whole.



No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027630 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DATA TRANSMISSION METHOD USER EQUIPMENT AND BASE STATION

(51) International classification :H04L1/18H04W76/02H04W88/06
(31) Priority Document No :201610038569.6
(32) Priority Date :20/01/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/070737
Filing Date :10/01/2017
(87) International Publication No :WO 2017/124941
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72) **Name of Inventor :**

1) CHAI, Li

2) LIN, Bo

(57) Abstract :

The present invention provides a data transmission method. The method comprises: a media access control (MAC) entity of a first network node allocates data packets to at least one hybrid automatic repeat request (HARQ) unit of at least two cells different radio access technologies (RATs) being used on the at least two cells the at least two cells sharing one HARQ unit or each of the at least two cells being corresponding to one HARQ unit and the HARQ unit being an HARQ entity and/or an HARQ process; and the first network node sends the data packets to a second network node through the at least two cells. By means of the solution a data packet is allocated to at least one HARQ unit of at least two cells by using a shared MAC layer thereby effectively reducing the end-to-end delay.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027634 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : USE OF METHOXATIN DERIVATIVE AND/OR SALT THEREOF IN SJOGREN'S SYNDROME AND PHARMACEUTICAL COMPOSITION

(51) International classification :A61K31/4745A61P1/02A61P27/02
(31) Priority Document No :201610080478.9
(32) Priority Date :04/02/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/072130
Filing Date :22/01/2017
(87) International Publication No :WO 2017/133523
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)WEN, Chuanjun

2)SUN, Fenyong

(57) Abstract :

The present invention relates to use of methoxatin of formula (I) a derivative and/or a salt thereof (PQQ) in the preparation of a medication for treating and/or preventing primary Sjogrens syndrome secondary Sjogrens syndrome as well as dry mouth dry eye and multiple system damages procured by the involvement of other exocrine glands and other organs outside the glands caused by Sjogrens syndrome in formula (I) R1 R2 and R3 being same or different each independently representing lower alkyl lower alkenyl lower alkynyl aralkyl alkaryl phenyl a hydrogen atom sodium atom or a potassium atom; and PQQ or pharmaceutical combinations of PQQ combined with active vitamin D NAC resveratrol epigallocatechin gallate curcumin anthocyanin vitamin E vitamin C or vitamin D and the like. The medicament and the pharmaceutical combinations can treat Sjogrens syndrome and associated diseases which are derivative of Sjogrens syndrome. The present invention can remove excess oxygen radicals in the body inhibit NF- κ B activation caused by oxidative stress and inhibit autoimmunity thereby reducing the inflammatory response of Sjogrens syndrome.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027325 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND DEVICE FOR CHANNEL CONTENTION

(51) International classification	:	H04W74/08
(31) Priority Document No	:	NA
(32) Priority Date	:	NA
(33) Name of priority country	:	NA
(86) International Application No	:	PCT/CN2016/084294
Filing Date	:	01/06/2016
(87) International Publication No	:	WO 2017/206102
(61) Patent of Addition to Application Number	:	NA
Filing Date	:	NA
(62) Divisional to Application Number	:	NA
Filing Date	:	NA

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2) FU, Weixiang

3) YOU, Yanzhen

(57) Abstract :

Provided in the present invention are a method and a device for channel contention. The method comprises: an RRU contending for a target channel; and sending carrier state information to a BBU the carrier state information being used for indicating the channel contention result of the RRU. By means of the invention the RRU itself can contend for a channel occupy the channel if the contention succeeds and then notify by means of carrier state information the BBU of the contention result. The invention can satisfy the requirements for real-time performance of channel contention in a distributed scene.



No. of Pages : 27 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027326 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MICRONEEDLE COMPOSITIONS AND METHODS OF USING SAME

(51) International classification :A61M5/00C07K14/005C12N15/79
(31) Priority Document No :62/277312
(32) Priority Date :11/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/013043
Filing Date :11/01/2017
(87) International Publication No :WO 2017/123652
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)HENDERSON, Daniel R.

(57) Abstract :

Described herein are microneedle devices comprising a recombinant alphavirus replicon encoding an exogenous polypeptide wherein the recombinant alphavirus replicon is coated onto or embedded into a plurality of microneedles. Also described herein are methods of preparing a microneedle device comprising a recombinant alphavirus replicon encoding an exogenous polypeptide. Also disclosed herein are methods of inducing an immune response in an individual comprising contacting the individual with a microneedle device comprising a recombinant alphavirus replicon encoding an exogenous polypeptide.



No. of Pages : 67 No. of Claims : 97

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027347 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : KEY MANAGEMENT FOR CIOT

(51) International classification	:H04L29/06H04W12/04H04W4/00
(31) Priority Document No	:62/286611
(32) Priority Date	:25/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2016/078888
Filing Date	:25/11/2016
(87) International Publication No	:WO 2017/129288
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)BEN HENDA, Noamen

4)STATTIN, Magnus

5)OLSSON, Lars-Bertil

6)LEHTOVIRTA, Vesa

7)SCHLIWA-BERTLING, Paul

(57) Abstract :

A basestation in a cellular communications network is operable to send a message to a Mobility Management Entity relating to a suspension or resumption of a connection of a UE wherein the message contains key renewal information. The Mobility Management Entity receives the message and determines whether a key renewal condition is met. If the key renewal condition is met the MME forwards a new NH NCC pair to the base station. If a message received from the MME includes a NH NCC pair the basestation derives keying information using the NH NCC pair for future use in deriving keys.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027368 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD TO DELAY SWELLING OF A PACKER BY INCORPORATING DISSOLVABLE METAL SHROUD

(51) International classification :E21B33/12E21B33/127E21B23/06
(31) Priority Document No :PCT/US2016/020250
(32) Priority Date :01/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/020250
Filing Date :01/03/2016
(87) International Publication No :WO 2017/151118
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)STEIN, Taylor, Justin

2)ADKINS, DARREL WAYNE

(57) Abstract :

Swellable packer assemblies and associated systems and methods are described for operation in connection with a subterranean wellbore. The swellable packer assemblies may include a shroud for maintaining a sealing element in a fully inactivated configuration until the packer assemblies reach a predetermined location in the wellbore. The shroud may be formed of a dissolvable metal material such that fluids in the wellbore may remove the shroud and thereafter the sealing element may be rapidly expanded by exposure to fluids in the wellbore or by exposure to a trigger fluid pumped from a surface location. The expanded sealing element may establish a seal with an outer tubular structure to isolate adjacent portions of the wellbore.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027411 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IDENTIFICATION CARRIER FOR A TOY FOR REPRODUCING MUSIC OR AN AUDIO STORY

(51) International classification :A63H3/28A63H33/26A63H33/00
(31) Priority Document No :10 2016 000 631.5
(32) Priority Date :25/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/000045
Filing Date :17/01/2017
(87) International Publication No :WO 2017/129348
(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)BOXINE GMBH

Address of Applicant :Grafenberger Allee 120 40237 Düsseldorf Germany

(72)Name of Inventor :

1)FASSBENDER, Patric

2)STAHL, Marcus

3)WILMANNS, Christian

(57) Abstract :

The invention relates to an identification carrier for a toy for reproducing music or an audio story the carrier comprising a standing surface a magnet and an identification the identification changing a characteristic of an external magnetic field when said identification enters the magnetic field. The magnet is positioned closer to the standing surface than the identification and/or at least one surface normal to the standing surface runs through the magnet only or runs through the identification only.



No. of Pages : 64 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027636 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR IMPAIRING A CASSIE-BAXTER STATE

(51) International classification	:A01N27/00A01P7/00	(71) Name of Applicant : 1)DYER, Gordon, Wayne Address of Applicant :1300 N. Dal Paso St. Hobbs, NM 88240-4528 U.S.A.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/US2016/000014	(72) Name of Inventor : 1)DYER, Gordon, Wayne
Filing Date	:04/02/2016	
(87) International Publication No	:WO 2017/135918	
(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 about using chemicals to interfere with the ability of certain arthropods to shield themselves from their external environment. It teaches to apply chemicals to a specialized portions of the arthropods body that maintain a gaseous envelope that encoats protects and extends from the arthropods skin and if present breathing hole. This chemical application causes a failure of this protective envelope making the arthropod vulnerable its external environment such as to pesticides and can also lead to problems with its ability to breathe.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027640 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONTINUOUS COMPLEXATION OF ACTIVE PHARMACEUTICAL INGREDIENTS

(51) International classification :A61K47/40A61K9/14A61K9/16
(31) Priority Document No :109117
(32) Priority Date :28/01/2016
(33) Name of priority country :Portugal
(86) International Application No :PCT/GB2017/050210
Filing Date :27/01/2017
(87) International Publication No:WO 2017/129988
(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)HOVIONE SCIENTIA LIMITED

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2)TURNER, Craig

(72)Name of Inventor :

1)LISBOA, Hugo

2)TEMTEM, M;rcio

3)VINCENTE, Jo;o

4)SANTOS, Filipa

(57) Abstract :

A complexation process between a cyclodextrin and active pharmaceutical ingredients is disclosed and comprises a process for preparing a complex of at least one cyclodextrin and at least one active pharmaceutical ingredient comprising the steps of: a.Preparing a first solution (solution A) comprising at least one cyclodextrin and at least one solvent; b.Preparing a second solution (solution B) comprising at least one dissolved partially dissolved or suspended API; c.Mixing said solution A and solution B by means of a microfluidization system to produce a solution and/or suspension of at least one of said complex; d.Isolating said solution and/or suspension and/or optionally drying it; and e.Optionally collecting a powdered form of the complex. The described process has high throughput with higher yields of complexation in less time than prior art methods. The complexes obtained by the invention are characterized by having enhanced dissolution and/ or bioavailability of the active pharmaceutical ingredient in body fluids.



No. of Pages : 15 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027643 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DIRECT PINION MOUNT CONSTANT VELOCITY JOINT

(51) International classification :F16D1/116F16D3/18F16D3/84
(31) Priority Document No :62/293384
(32) Priority Date :10/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/017377
 Filing Date :10/02/2017
(87) International Publication No :WO 2017/139581
(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)DANA AUTOMOTIVE SYSTEMS GROUP, LLC

Address of Applicant :3939 Technology Drive PO Box 1000
Maumee, OH 43537 U.S.A.

(72)Name of Inventor :

1)OH, Seung Tark

(57) Abstract :

A joint assembly for a motor vehicle. The joint (100) includes an inner race (104) an outer race (102) a plurality of balls (106) and a cage (108). The inner race is drivingly connected to a sleeve (110) having an axially inboard portion an intermediate portion and an axially outboard portion. Circumferentially extending from the intermediate portion of the sleeve is an abutment portion (136). At least a portion of the abutment portion is in direct contact with an end of the inner race. Axially outboard from the abutment portion is a stepped portion (137). A shaft (168) is drivingly connected to an inner surface of a hollow interior portion of the axially outboard portion of the sleeve. A first end portion of a boot (186) is connected to an outer surface of the outer race and a second end portion of the boot is connected to an outer surface of the axially outboard portion of the sleeve.



No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027648 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THIN STEEL PLATE GALVANIZED STEEL PLATE HOT ROLLED STEEL PLATE PRODUCTION METHOD COLD ROLLED FULL HARD STEEL PLATE PRODUCTION METHOD HEAT TREATED PLATE PRODUCTION METHOD THIN STEEL PLATE PRODUCTION METHOD AND GALVANIZED STEEL PLATE PRODUCTION METHOD

(51) International classification :C22C38/00C21D9/46C22C38/06
(31) Priority Document No :2016-070749
(32) Priority Date :31/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/008957
Filing Date :07/03/2017
(87) International Publication No :WO 2017/169561
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MINAMI Hidekazu

2)FUNAKAWA Yoshimasa

3)KANEKO Shinjiro

(57) Abstract :

The purpose of the present invention is to provide a thin steel plate etc. having a TS of at least 540 MPa excellent ductility a low yield ratio (YR) excellent YP in-plane anisotropy and excellent plating properties. The thin steel plate includes a specific component composition ferrite and a second phase. The ferrite area ratio is at least 50%. The second phase contains martensite having an area ratio relative to the whole of 1.0%-25.0%. The average ferrite crystal grain size is at least 3 μ m. The difference in hardness between the ferrite and the martensite is 1.0-8.0 GPa. The ferrite aggregate composition is 0.8-7.0 by inverse intensity ratio of -fibers to a-fibers. The thin steel plate has a tensile strength of at least 540 MPa.

No. of Pages : 69 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027412 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TOY

(51) International classification :A63H33/00A63H3/28A63H5/00
(31) Priority Document No :10 2016 000 630.7
(32) Priority Date :25/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/000046
Filing Date :17/01/2017
(87) International Publication No:WO 2017/129349
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FABENDER, Patric

2)STAHL, Marcus

3)WILMANNS, Christian

(57) Abstract :

The invention relates to a toy for playing back music or a narrated story comprising a loudspeaker or a loudspeaker terminal a sensor that can detect within an area in the surroundings of the sensor a property or a change in a property of said surroundings and a control unit that can actuate the loudspeaker or the loudspeaker terminal to play back music or a narrated story when the sensor senses within the area in the surroundings of the sensor a certain property or a certain change in a property of the surroundings or when the control unit detects a certain change in the property sensed by the sensor; a toy identification and a device for transmitting a signal that is dependent on the toy identification are provided.



No. of Pages : 43 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/07/2018

(21) Application No.201817027476 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEHYDRATED NA2-IMP AS ANTI-CAKING AGENT

(51) International classification :C07H19/20C07F9/6561A23L3/40
(31) Priority Document No :16164489.3
(32) Priority Date :08/04/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/056239
Filing Date :16/03/2017
(87) International Publication No :WO 2017/174322
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FORNY, Laurent

2)NG, Yun Ting Sherrilyn

3)ULMER, Helge

(57) Abstract :

The present invention relates to the field of powders particularly food powders and to the avoidance of caking in such powders by using compositions comprising dehydrated or partially dehydrated disodium inosine monophosphate salts.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/07/2018

(21) Application No.201817027490 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RAILWAY TRACTION VEHICLE WITH ROOF JOINT ELEMENT

(51) International classification :B61D17/02B61D17/12
(31) Priority Document No :10 2016 205 215.2
(32) Priority Date :30/03/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/052292
 Filing Date :02/02/2017
(87) International Publication No :WO 2017/167475
(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)SIEMENS AKTIENGESELLSCHAFT

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München Germany

(72)Name of Inventor :

1)KROISS, Manuel

2)K-RNER, Marcus

3)PEER, Hannes

(57) Abstract :

The invention relates to a railway traction vehicle in particular a locomotive (1) for pulling at least one coupleable railway car in particular even a two-level car (9). The two-level car (9) has a car body (10) with a car roof (11) which defines a car height (H). The locomotive (1) comprises a vehicle body (2) with a vehicle roof (6) which defines a vehicle height (h). If the vehicle height (h) is lower than the car height (H) a roof joint element (12) is arranged on a rear-side end region (B) of the vehicle body (2). Because the cross-sectional profile of the roof joint element (12) expands from the profile front edge (16) which follows a contour line of the vehicle roof (6) to the profile rear edge (17) which follows a contour line of the car roof (11) the flow resistance in the joint region from the locomotive (1) to the subsequent two-level car (9) is reduced using simple means whereby traction energy losses and vehicle noise can be reduced.



No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027505 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRESS APPARATUS AND PRODUCTION METHOD FOR PRESS-MOLDED ARTICLE

(51) International classification	:B21D24/00B21D22/26
(31) Priority Document No	:2016-011980
(32) Priority Date	:26/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/002576
Filing Date	:25/01/2017
(87) International Publication No	:WO 2017/131042
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan

(72)Name of Inventor :

1)ITO, Yasuhiro

(57) Abstract :

Provided is a production method for a press-molded article the method comprising a first step and a second step. In the first step using a punch (13) and a first die (11) a recess (8) is press-molded in a blank (S). The punch (13) has a shape corresponding to the overall shape of a press-molded article. The first die (11) has a shape corresponding at least to the shape of the recess. In the second step using the punch (13) and a second die (12) a vertical wall section (5) and a ridge section are press-molded in the blank (S). The second die (12) is arranged next to the first die (11). The second die (12) has a shape corresponding to the shape of at least the vertical wall portion (5) and the ridge portion. The first step is completed subsequent to the second step. With this production method for a press-molded article a press-molded article of excellent fatigue resistance can be produced.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027506 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SEPARATING APPARATUS AND VACUUM CLEANER

(51) International classification	:A47L9/10A47L9/16
(31) Priority Document No	:1601220.5
(32) Priority Date	:22/01/2016
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2016/053914
Filing Date	:12/12/2016
(87) International Publication No	:WO 2017/125706
(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)DYSON TECHNOLOGY LIMITED

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(72)Name of Inventor :

1)ROBINSON, Kate

2)DIMBYLOW, Stephen

3)KERR, William

4)VUIJK, Remco

(57) Abstract :

A separating apparatus (6) comprising a first cyclonic separating unit (18) comprising a first cyclonic separator (22) having a separator axis X a second cyclonic separating unit (20) comprising a second cyclonic separator (44) the second cyclonic separating unit (20) being movable between a first position and a second position with respect to the first separating unit (18) in a direction which is parallel with the separator axis a screen (40) disposed within the first cyclonic separator (22) such that it extends parallel with the separator axis X. The screen is connected to the second cyclonic separating unit (20) for movement with the second cyclonic separating unit. The separating apparatus (6) comprises a wipe (42) for cleaning the screen (40) wherein the wipe (42) is secured to the first cyclonic separating unit (18) such that movement of the second cyclonic separating unit (20) from the first position to the second position moves the screen (40) relative to the wipe (42) thereby cleaning debris from the screen (40).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027650 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THIN STEEL PLATE GALVANIZED STEEL PLATE HOT ROLLED STEEL PLATE PRODUCTION METHOD COLD ROLLED FULL HARD STEEL PLATE PRODUCTION METHOD THIN STEEL PLATE PRODUCTION METHOD AND GALVANIZED STEEL PLATE PRODUCTION METHOD

(51) International classification :C22C38/00C21D9/46C22C38/60
(31) Priority Document No :2016-070748
(32) Priority Date :31/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/008956
Filing Date :07/03/2017
(87) International Publication No :WO 2017/169560
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MINAMI Hidekazu

2)FUNAKAWA Yoshimasa

(57) Abstract :

The purpose of the present invention is to provide a thin steel plate etc. having a tensile strength (TS) of at least 340 MPa excellent workability excellent YP in-plane anisotropy and excellent surface properties. The thin steel plate has: a specific component composition; a steel structure wherein the average ferrite crystal grain size is 5-25 μm at least 40% of cementite by area ratio is precipitated in the ferrite grain boundaries and the ferrite aggregate composition is 0.8-7.0 by inverse intensity ratio of -fibers relative to a-fibers; and a tensile strength of at least 340 MPa.

No. of Pages : 68 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027651 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOTOR ASSEMBLY FOR DRIVING A PUMP OR ROTARY DEVICE HAVING POWER PLANE WITH MULTI-LAYER POWER AND CONTROL PRINTED CIRCUIT BOARD ASSEMBLY

(51) International classification

:H02K5/15H02K11/33

(31) Priority Document No

:62/307037

(32) Priority Date

:11/03/2016

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2017/022019

Filing Date

:13/03/2017

(87) International Publication No

:WO 2017/156516

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A motor assembly for driving a pump or rotary device features a power plane with a circular geometry to be mounted inside a space envelope having a similar circular geometry formed on an end-plate between an inner hub portion and a peripheral portion that extends circumferentially around the space envelope of the end-plate. The power plane is a multi-layer circuit board or assembly having: a power layer with higher temperature power modules for providing power to a motor a control layer with lower temperature control electronics modules for controlling the power provided to the motor and a thermal barrier and printed circuit board layer between the power layer and the control layer that provides electrical connection paths between the power modules of the power plane and the control electronics modules of the control layer and also provides insulation between the power layer and the control layer.



No. of Pages : 41 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027656 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MUNICIPAL WASTEWATER TREATMENT SYSTEM AND METHOD USING A THREE-PHASE CENTRIFUGAL SEPARATOR

(51) International classification :G07C1/22G07C1/02A63B26/00
(31) Priority Document No :62/278082
(32) Priority Date :13/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2017/012799
 Filing Date :10/01/2017
(87) International Publication No :WO/2017/139053
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

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DELRAY BEACH, FL 33445, (USA) U.S.A.

(72)**Name of Inventor :**

1)CULLER, Paul, L

2)NA

3)NA

4)NA

(57) Abstract :

Disclosed is a system and method for treating municipal and sanitary wastewater that uses only mechanical devices and processes, which eliminates biological processes and settling tanks. The system includes a three-output Richter-type separator that separates wastewater into three fluid streams according to the specific gravity of the solids within the fluid streams. The lighter-than-water and heavier-than-water solids streams are combined and the resultant sludge is mechanically dewatered without intermediary biological-process systems or sedimentation. The partially-clarified water component can be directly filtered by a membrane filter and optionally optically or chemically disinfected for reuse or disposal. The system advantageously simplifies municipal and sanitary wastewater treatment eliminating traditional primary and secondary treatment stages, and significantly reducing the systems operational footprint. The system and method can be scaled to very large municipal systems.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027660 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD DEVICE AND TERMINAL FOR INPUTTING LOGIN PASSWORD OF APPLICATION

(51) International classification	:G06F21/32
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2016/071786
Filing Date	:22/01/2016
(87) International Publication No	:WO 2017/124444
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)CHEN, Yong

2)ZHENG, Tao

(57) Abstract :

A method a device and a terminal for logging in an application the method comprising: acquiring biometric information of a user (S110); determining whether the user has a login permission according to the biometric information (S120); acquiring voice information of the user (S130); after determining that the user has a login permission determining according to the voice information password information corresponding to the voice information (S140); and inputting the password information into the password input box of the application (S150). By means of acquiring the voice information of the user determining the password information corresponding to the voice information and combining the biometric information of the user the described method device and terminal can improve the accuracy of the password information input on the premise of ensuring the security of the password information input being simple and convenient in operation while being able to reduce the burden of the user.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027521 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WASHING MACHINE

(51) International classification	:D06F37/10D06F37/28D06F39/14
(31) Priority Document No	:10-2015-0186551
(32) Priority Date	:24/12/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/014293
Filing Date	:07/12/2016
(87) International Publication No	:WO 2017/111352
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Suwon-si Gyeonggi-do 16677 Republic of Korea

(72)Name of Inventor :

1)LEE, Jin Ho

2)CHOI, Han Kyu

3)KIM, Hwa Shik

(57) Abstract :

This washing machine comprises a cabinet having a first opening and forming a washing space therein and a door assembly provided to open and close the first opening. The door assembly comprises: a door unit provided to be capable of rotating with respect to the cabinet and having one side forming a second opening and the other side having a guide duct connected to the washing space; an auxiliary door opening and closing the second opening; and a sealing assembly configured to seal the other side of the guide duct. Through this configuration sealing from the inside of a washing machine can be effectively achieved.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027537 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AQUEOUS PAINT COMPOSITION FOR VEHICLE PRIMER COATING AND VEHICLE COATING METHOD USING SAME

(51) International classification :C09D167/00C09D133/06C09D175/04
(31) Priority Document No :10-2016-0011697
(32) Priority Date :29/01/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/000964
Filing Date :26/01/2017
(87) International Publication No :WO 2017/131472
(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)KCC CORPORATION

Address of Applicant :344, Sapeyeong-daero, Seocho-gu, Seoul 06608 Republic of Korea

(72)Name of Inventor :

1)JUNG, Bong Ki

2)CHOI, Myoung Gi

(57) Abstract :

The present invention relates to an aqueous paint composition for vehicle primer coating and a method for coating an vehicle by using the same the composition comprising on the basis of the weight of the entire paint composition 20-50 wt% polyester resin 1-20 wt% acryl resin 1-15 wt% water-dispersive urethane resin 1-15 wt% urethane resin and 10-30 wt% melamine curing agent.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027546 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTI RADIATOR ANTENNA COMPRISING MEANS FOR INDICATING ANTENNA MAIN LOBE DIRECTION

(51) International classification	:H01Q3/30H01P1/18H01P5/00
(31) Priority Document No	:1650147-0
(32) Priority Date	:05/02/2016
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2017/050088
Filing Date	:02/02/2017
(87) International Publication No	:WO 2017/135876
(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)CELLMAX TECHNOLOGIES AB

Address of Applicant :Box 1236 164 28 Kista Sweden

(72)Name of Inventor :

1)YMAN, Niclas

(57) Abstract :

A multi radiator antenna comprising an electrically conductive reflector at least two radiating elements arranged on said reflector a feeding network connected to the radiating elements and a protective cover. The feeding network comprises a plurality of conductors for distributing signals to the radiators. The feeding network has means for adjusting relative phases of said signals in order to adjust a direction of the antenna main lobe of said multi-radiator base station antenna. The means for adjusting is provided with or is connected to an indicating portion configured to provide a visual indication of said direction. The protective cover is provided with an at least partially transparent wall portion arranged such that said indicating portion is visible there through.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027547 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL POWDER COATING SYSTEM

(51) International classification :C09D5/08C09D5/03C08G18/22
(31) Priority Document No :PCT/US2016/017323
(32) Priority Date :10/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2017/017106
 Filing Date :09/02/2017
(87) International Publication No :WO 2017/139433
(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)SWIMC LLC

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(72)**Name of Inventor :**

1)MISTRY, Jigar, K.

2)GELLING, Victoria

3)LALOR, Justin

4)JADHAV, Niteen

5)YUNGBAUER, Thomas

(57) Abstract :

A powder coating composition is described. The composition includes an inorganic bismuth-containing compound or a mixture of inorganic and organic bismuth-containing compounds. The powder composition demonstrates a high degree of crosslinking in the coating and produces a cured coating with optimal crosslinking and corrosion resistance.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027549 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTILAYERED POLYMERIC FILM

(51) International classification :B32B5/18B32B5/22B32B27/08
(31) Priority Document No :62/294516
(32) Priority Date :12/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030553
 Filing Date :03/05/2016
(87) International Publication No :WO 2017/138968
(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)AMPACET CORPORATION

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(72)**Name of Inventor :**

1)CARROLL, Linda

2)MCMANUS, Mark

3)NEVINS, Danny

4)DAVIS, Don

5)MICKEY, Tom

6)BROWNFIELD, Doug

(57) Abstract :

Disclosed are compositions and methods for creating a textured or patterned surface on elastomeric extruded film.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027551 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRODUCTION EQUIPMENT LINE FOR HOT-ROLLED STEEL STRIPS AND PRODUCTION METHOD FOR HOT-ROLLED STEEL STRIP

(51) International classification	:B21B45/02B21B1/26	(71) Name of Applicant : 1)JFE STEEL CORPORATION Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
(31) Priority Document No	:2016-013537	
(32) Priority Date	:27/01/2016	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2017/001192	(72) Name of Inventor :
Filing Date	:16/01/2017	1)UEOKA Satoshi
(87) International Publication No	:WO 2017/130767	2)TAMURA Yuta
(61) Patent of Addition to Application Number	:NA	3)SHIRASAKI Sonomi
Filing Date	:NA	4)KATAYAMA Yukako
(62) Divisional to Application Number	:NA	5)MATSUMOTO Takashi
Filing Date	:NA	

(57) Abstract :

A production equipment line for hot-rolled steel strips the production equipment line comprising: a roughing mill group 3 that comprises a plurality of roughing mills 31 32 that hot roll a rolling material 10 that has been heated to a prescribed temperature to a finish rolling starting sheet thickness; and a finishing mill group 6 that comprises a plurality of finishing mills that perform a controlled roll of the rolling material 10 to a finished sheet thickness. At least one of the plurality of roughing mills is a reversible rolling mill 31. On the upstream side of the reversible rolling mill 31 the production equipment line for hot-rolled steel strips comprises one of a slow cooling device 42 that slowly cools the rolling material at a water volume density of less than 1000 L/min·m² and a quenching device 41 that quenches the slow-cooled rolling material 10 at a water volume density of 1000 L/min·m² or higher. On the downstream side of the reversible rolling mill 31 the production equipment line comprises the other of the slow cooling device 42 and the quenching device 41.



No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027663 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NUTRITIONAL FORMULATIONS COMPRISING A PEA PROTEIN ISOLATE

(51) International classification :A23J3/34A23L33/185A23L33/00
(31) Priority Document No :1650710
(32) Priority Date :29/01/2016
(33) Name of priority country :France
(86) International Application No :PCT/FR2017/050195
Filing Date :27/01/2017
(87) International Publication No :WO 2017/129921
(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)ROQUETTE FRERES

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(72)Name of Inventor :

1)BARATA, Manuel

2)GUILLEMANT, Marilyne

3)MORETTI, Emmanuelle

4)MLLER, Elsa

5)DELEBARRE, Marie

(57) Abstract :

The present invention concerns a nutritional formulation containing a pea protein isolate characterised in that the pea protein isolate: has between 0.5 and 2% of free amino acids has a viscosity: of 13 to 16.10⁻³ Pa.s. at a shear rate of 10 s⁻¹ of 10 to 14.10⁻³ Pa.s. at a shear rate of 40 s⁻¹ and of 9.8 to 14.10⁻³ Pa.s. at a shear rate of 600 s⁻¹ has a solubility: of 30 to 40 % in pH ranges from 4 to 5 and of 40 to 70 % in pH ranges from 6 to 8. The invention also concerns the use of said nutritional formulation as a single protein source or as a food supplement intended for infants children and/or adults.



No. of Pages : 95 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027664 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DUPLEX CONSTRUCTIVE PRESSURE VESSEL ELEMENT

(51) International classification :F17C1/12F17C1/14F17C13/08
(31) Priority Document No :15203222.3
(32) Priority Date :30/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/082800
 Filing Date :29/12/2016
(87) International Publication No :WO 2017/114880
(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)ARRANGED BVBA

Address of Applicant :Meremweg 37C 3740 Bilzen Belgium

(72)Name of Inventor :

1)EURLINGS, Martin

(57) Abstract :

A compressed pressure vessel suitable for serving as construction element for building energy storage constructions thereof is described. The compressed pressure vessel comprises a first inner segment wherein the inner segment comprises an inlet for filling or emptying the inner segment and wherein the inner segment is suitable for storing hydrogen and a second outer segment the outer segment adapted for being filled with a fluid different from hydrogen wherein the outer segment is substantially fully encompassing the inner segment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027665 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FIELD EFFECT TRANSISTOR METHOD FOR MANUFACTURING SAME DISPLAY ELEMENT DISPLAY APPARATUS AND SYSTEM

(51) International classification :H01L21/336G02F1/1368H01L21/28
(31) Priority Document No :2016-017556
(32) Priority Date :01/02/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/001458
Filing Date :18/01/2017
(87) International Publication No :WO 2017/135029
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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3)UEDA, Naoyuki

4)NAKAMURA, Yuki

5)ABE, Yukiko

6)MATSUMOTO, Shinji

7)SONE, Yuji

8)SAOTOME, Ryoichi

9)KUSAYANAGI, Minehide

(72)Name of Inventor :

1)ARAE, Sadanori

2)UEDA, Naoyuki

3)NAKAMURA, Yuki

4)ABE, Yukiko

5)MATSUMOTO, Shinji

6)SONE, Yuji

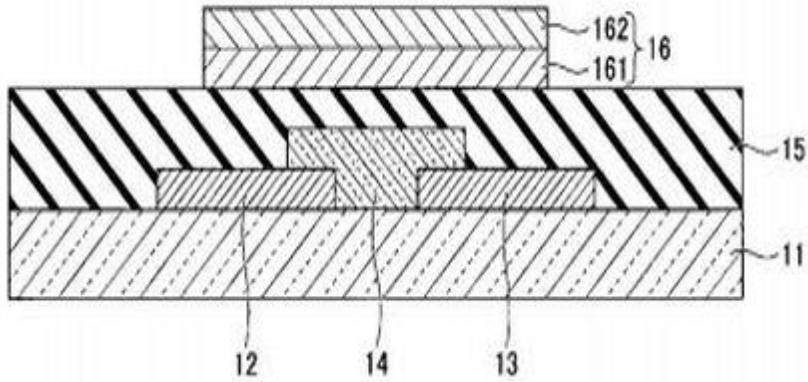
7)SAOTOME, Ryoichi

8)KUSAYANAGI, Minehide

(57) Abstract :

This method for manufacturing a field effect transistor has a gate insulating layer and an electrode including a first conductive film and a second conductive film sequentially stacked on a prescribed surface of the gate insulating layer the method including: a step for forming an oxide film including element A that is an alkaline earth metal and element B that is any one of Ga Sc Y and a lanthanide; a step for forming on the oxide film a first conductive film dissolvable by an organic alkaline solution; a step for forming a second conductive film on the first conductive film; a step for etching the second conductive film by using an etching solution having a higher etching rate for the second conductive film than for the first conductive film; and a step for etching the first conductive film by utilizing the second conductive film as a mask and by using the organic alkaline solution.

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No. of Pages : 83 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027666 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTI-PATH TRANSPORT DESIGN

(51) International classification	:G06F9/44H04L29/08
(31) Priority Document No	:14/981485
(32) Priority Date	:28/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/068941
Filing Date	:28/12/2016
(87) International Publication No	:WO 2017/117252
(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)AMAZON TECHNOLOGIES, INC.

Address of Applicant :P.O. Box 81226 Seattle, Washington 98108-1226 U.S.A.

(72)Name of Inventor :

1)SHALEV, Leah

2)BSHARA, Nafea

3)MACHULSKY, Georgy

4)BARRETT, Brian William

(57) Abstract :

Disclosed herein is a method including receiving from a user application data to be transmitted from a source address to a destination address using a single connection through a network; and splitting the data into a plurality of packets according to a communication protocol. For each packet of the plurality of packets a respective flowlet for the packet to be transmitted in is determined from a plurality of flowlets; a field in the packet used by a network switch of the network to route the packet is set based on the determined flowlet for the packet; and the packet is sent via the determined flowlet for transmitting through the network.

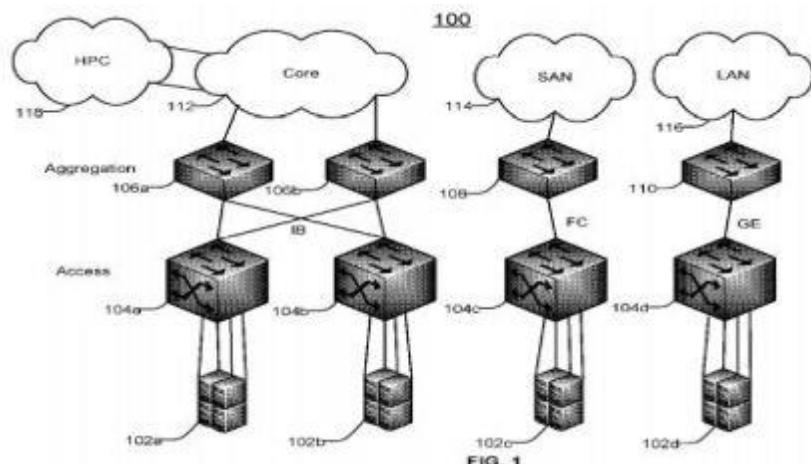


FIG. 1

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027680 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A PROCESS FOR ALKYLATING THE HYDROXYMETHYL GROUP AT POSITION -3 OF CEPHALOSPORINS

(51) International classification	:C07D501/04C07D501/16
(31) Priority Document No	:201611007853
(32) Priority Date	:07/03/2016
(33) Name of priority country	:India
(86) International Application No	:PCT/IB2016/056860
Filing Date	:15/11/2016
(87) International Publication No	:WO 2017/153824
(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)DHANUKA LABORATORIES LTD.

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(72)**Name of Inventor :**

1)SINGH, Sandeep

2)SRIVASTAVA, Alok

3)DHANUKA, Manish

(57) Abstract :

A process for alkylating the hydroxymethyl group at position -3 of 7-Amino-3- hydroxymethyl-3-cephem-4-carboxylic acid (D-7-ACA) using an alkylating agent strong acid and a suitable solvent(s).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027552 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ANTENNA FEEDING NETWORK COMPRISING A COAXIAL CONNECTOR

(51) International classification :H01Q21/00H01P1/18H01P5/04
(31) Priority Document No :1650146-2
(32) Priority Date :05/02/2016
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2017/050087
 Filing Date :02/02/2017
(87) International Publication No :WO 2017/135875
(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)CELLMAX TECHNOLOGIES AB

Address of Applicant :Box 1236 164 28 Kista Sweden

(72)Name of Inventor :

1)KARLSSON, Dan

2)YMAN, Niclas

3)JONSSON, Stefan

(57) Abstract :

An antenna feeding network for a multi-radiator base station antenna and an antenna arrangement comprising such a feeding network is provided. The feeding network comprises substantially air filled coaxial lines and a coaxial connector for an antenna feeder cable the connector being connected to at least one of the coaxial lines. The substantially air filled coaxial lines each have a central inner conductor and an elongated outer conductor surrounding the central inner conductor. The coaxial connector comprises a body having an attachment portion the attachment portion being attached to and arranged in abutment with a portion of at least one outer conductor such that the body connects electrically and mechanically with the outer conductors of the coaxial lines.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817027553 A

(19) INDIA

(22) Date of filing of Application :23/07/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRODUCTION EQUIPMENT LINE FOR HOT-ROLLED STEEL STRIPS AND PRODUCTION METHOD FOR HOT-ROLLED STEEL STRIP

(51) International classification	:B21B45/02B21B1/26	(71) Name of Applicant : 1)JFE STEEL CORPORATION Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
(31) Priority Document No	:2016-012185	
(32) Priority Date	:26/01/2016	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2017/001181	(72) Name of Inventor :
Filing Date	:16/01/2017	1)UEOKA Satoshi
(87) International Publication No	:WO 2017/130765	2)TAMURA Yuta
(61) Patent of Addition to Application Number	:NA	3)SHIRASAKI Sonomi
Filing Date	:NA	4)KATAYAMA Yukako
(62) Divisional to Application Number	:NA	5)MATSUMOTO Takashi
Filing Date	:NA	

(57) Abstract :

A production equipment line for hot-rolled steel strips the production equipment line comprising: a roughing mill group 3 that comprises a plurality of roughing mills 31 32 that hot roll a rolling material 10 that has been heated to a prescribed temperature to a finish rolling starting sheet thickness; and a finishing mill group 6 that comprises a plurality of finishing mills that perform a controlled roll of the rolling material 10 to a finished sheet thickness. At least one of the plurality of roughing mills is a reversible rolling mill 31. On the upstream or downstream side of the reversible rolling mill 31 the production equipment line for hot-rolled steel strips comprises a slow cooling device 42 that slowly cools the rolling material at a water volume density of less than 1000 L/min·m² and a quenching device 41 that is arranged next to the slow cooling device 42 in the rolling direction and that quenches the slowly cooled rolling material 10 at a water volume density of 1000 L/min·m² or higher.



No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027557 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INDOLINONES COMPOUNDS AND THEIR USE IN THE TREATMENT OF FIBROTIC DISEASES

(51) International classification :C07D403/12C07D413/12C07D209/34
(31) Priority Document No :15202764.5
(32) Priority Date :24/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/GB2016/054069
Filing Date :23/12/2016
(87) International Publication No :WO 2017/109513
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)WALTERS, Iain

2)BIRCH, Louise

3)HILL-COUSINS, Joseph

4)COLLINGWOOD, Stephen, Paul

5)STEVENSON, Christopher, Scott

(57) Abstract :

The present invention relates inter alia to a compound of formula (I) Wherein R1 R2 R3 and Z are as defined in the specification and to compositions comprising the same and to the use of the compounds and to compositions of the compounds in treatment for example in the treatment of fibrotic diseases or interstitial lung diseases in particular idiopathic pulmonary fibrosis.

No. of Pages : 103 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027561 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRESSURE SENSOR AND MANUFACTURING METHOD THEREFOR

(51) International classification :G01L19/00G01L19/06G01L19/14
(31) Priority Document No :10-2015-0188662
(32) Priority Date :29/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/015353
Filing Date :28/12/2016
(87) International Publication No :WO 2017/116122
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KIM, Young Deok

(57) Abstract :

A pressure sensor according to one embodiment can comprise: a sensor housing including a fastening part fastened to an object for which pressure is measured and a housing pathway penetrating the fastening part so as to guide a fluid introduced from the pressure measurement target; and a sensor header including a port fixed to the housing pathway by an indentation method a header pathway penetrating the port so as to guide the fluid introduced from the housing pathway and a diaphragm located at an end part of the header pathway.



No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027564 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WIRELESS COMMUNICATION DEVICE WITH LEAKY-WAVE PHASED ARRAY ANTENNA

(51) International classification :H01Q13/20H01Q15/10H01Q1/24
(31) Priority Document No :2016100229
(32) Priority Date :11/01/2016
(33) Name of priority country :Russia
(86) International Application No :PCT/KR2016/011104
Filing Date :05/10/2016
(87) International Publication No :WO 2017/122905
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :129, Samsung-ro, Yeongtong-gu Suwon-si Gyeonggi-do 16677 Republic of Korea

(72)Name of Inventor :

1)KHRIPKOV, Alexander Nikolaevich

2)EVTYUSHKIN, Gennadiy Alexandrovich

3)LUKYANOV, Anton Sergeevich

4)HONG, Won-Bin

(57) Abstract :

A wireless communication device including an antenna device is provided. The wireless communication device includes a housing having a conductive structure a millimeter wave (mmWave) antenna having a plurality of antenna elements the mmWave antenna being disposed within the housing and a leaky-wave radiator having at least one opening formed in the conductive structure of the housing. An electromagnetic field generated by the mmWave antenna may be radiated outside of the housing of the wireless communication device through the leaky-wave radiator. The wireless communication device and/or an electronic device may be diversified according to embodiments.



No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027704 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ONLINE SEAL INSPECTION APPARATUS MULTI-SECTION SEALED CAVITY MACHINING DEVICE AND METHOD

(51) International classification :G01M3/26G01M3/32B25J21/02
(31) Priority Document No :201610187386.0
(32) Priority Date :29/03/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/107579
Filing Date :29/11/2016
(87) International Publication No:WO 2017/166837
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)LI, Chunfeng

(57) Abstract :

An online seal inspection apparatus a multi-section sealed cavity machining device and an online seal inspection method. The online seal inspection apparatus is provided on a butt-joint surface (12) of two parts and comprises: a seal ring (2) mounted in the butt-joint surface (12) of the two parts at least one cavity (21) being circumferentially provided in the seal ring (2); and a gas inlet and outlet unit (3) communicated with the interior of the cavity (21) and provided with at least one measurement unit (4) the measurement unit (4) being electrically connected to a processor (5) and used for measuring a gas pressure value and/or a gas concentration value in the gas inlet and outlet unit (3) and then sending the gas pressure value and/or the gas concentration value to the processor (5). The online inspection apparatus and method can implement online seal inspection of parts and can simultaneously inspect all stations of a multi-section sealed cavity machining device thereby effectively improving the seal inspection efficiency for the multi-section sealed cavity machining device.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027732 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DIAGNOSTIC AND PROGNOSTIC METHODS FOR CARDIOVASCULAR DISEASES AND EVENTS

(51) International classification	:G01N33/68A61B5/02
(31) Priority Document No	:62/289513
(32) Priority Date	:01/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/016081
Filing Date	:01/02/2017
(87) International Publication No	:WO 2017/136464
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)RHYNE, Rhonda Fay

2)MAGARET, Craig Agamemnon

3)STROBECK, John Edward

4)JANUZZI, James Louis Jr.

(57) Abstract :

Compositions and methods are provided for diagnosis and/or prognosis of cardiovascular diseases or events in a subject. In some embodiments the method includes measuring and comparing the level of particular proteins to other proteins. In other embodiments the method includes comparison with clinical variable information.



No. of Pages : 130 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027735 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PIVOTING LIFTING RING FOR LIFTING LOADS

(51) International classification	:B66C1/66B22F3/105
(31) Priority Document No	:92 951
(32) Priority Date	:20/01/2016
(33) Name of priority country	:Luxembourg
(86) International Application No	:PCT/EP2017/051080
Filing Date	:19/01/2017
(87) International Publication No	:WO 2017/125492
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)LOSANGE, Christophe

(57) Abstract :

The invention relates to a lifting point for lifting loads which includes a pivoting body (12) combined with a hooking loop (16) capable of engaging with a lifting accessory; and an attachment member (14) for attaching said lifting point to a load the attachment member (14) and the pivoting body (12) being connected by a pivot link allowing the body (12) to pivot relative to the attachment member (14) about an axis [A]. The portions of the attachment member (14) and the pivoting body (12) that engage in the pivot link are each made of a single part so as to form a permanent link one and/or the other of said portions (12 14) being manufactured by metal additive manufacturing.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027741 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METALLOENZYME INHIBITOR COMPOUNDS

(51) International classification :C07D401/10C07D401/14
(31) Priority Document No :62/273167
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/069217
 Filing Date :29/12/2016
(87) International Publication No :WO 2017/117393
(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)VPS-3, INC.

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(72)Name of Inventor :

1)YATES, Christopher, M.

2)SHAVER, Sammy, R.

3)HOEKSTRA, William, J.

(57) Abstract :

The instant invention describes compounds having metalloenzyme modulating activity and methods of treating diseases disorders or symptoms thereof mediated by such metalloenzymes.

No. of Pages : 419 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027752 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUTOMOBILE MEMBER

(51) International classification	:B62D25/20
(31) Priority Document No	:2016-030224
(32) Priority Date	:19/02/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/005904
Filing Date	:17/02/2017
(87) International Publication No	:WO 2017/142062
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)OTSUKA Kenichiro

(57) Abstract :

This automobile member is equipped with: a hat-shaped first member which has a first flange a second flange a first wall rising upwardly from the first flange a second wall rising upwardly from the second flange and a web connecting the first and second walls; a second member which is spot-joined to the first and second flanges; a first joint plate which is joined to the first wall and the inner wall surface of the second member; and a second joint plate which is joined to the second wall and the inner wall surface of the second member.



No. of Pages : 89 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027565 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR CONTROLLING CONTENT AND ELECTRONIC DEVICE THEREOF

(51) International classification :G06F3/01G06F3/048G09F9/30
(31) Priority Document No :10-2015-0187810
(32) Priority Date :28/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/014873
 Filing Date :19/12/2016
(87) International Publication No :WO 2017/116054
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KIM, Jiwon

2)AN, Sungyoun

(57) Abstract :

An electronic device is provided. The electronic device includes a display a sensor and at least one processor configured to display content on the display detect rotation information of the electronic device upon detecting shape change information of the display through the sensor determine control information based on the rotation information of the electronic device generate additional content corresponding to the content based on the control information and display the content and the additional content on different display areas of the display.



No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027567 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOFT TISSUE FIXATION REPAIR METHODS USING TISSUE AUGMENTATION SCAFFOLDS

(51) International classification :A61B17/04A61B17/06
(31) Priority Document No :62/289702
(32) Priority Date :01/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/015956
 Filing Date :01/02/2017
(87) International Publication No :WO 2017/136398
(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)MEDOS INTERNATIONAL SRL

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(72)Name of Inventor :

1)WHITTAKER, Gregory R.
2)CLEVELAND, Benjamin
3)BERTI, Stefano
4)DIAB, Tamim
5)PARRISH, William R.
6)THEIS, Reagan A.
7)SENGUN, Mehmet Ziya

(57) Abstract :

Devices systems and methods to improve both the reliability of soft tissue repair procedures and the speed at which the procedures are completed are provided. The devices and systems include one or more tissue augmentation constructs which include constructs that are configured to increase a footprint across which suture applied force to tissue when the suture is tied down onto the tissue. The tissue augmentation constructs can be quickly and easily associated with the repair suture and can be useful in many different tissue repair procedures that are disclosed in the application. In one exemplary embodiment one or more constructs are disposed on a suture threader which can be used to associate the construct(s) with a repair suture(s) being used to repair the soft tissue. Tissue augmentation constructs can include various blocks and patches among other formations. Exemplary methods for manufacturing the tissue augmentation constructs are also provided.

No. of Pages : 147 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027568 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TISSUE AUGMENTATION CONSTRUCTS FOR USE WITH SOFT TISSUE FIXATION REPAIR SYSTEMS AND METHODS

(51) International classification	:A61B17/04	(71) Name of Applicant :
(31) Priority Document No	:62/289702	1)MEDOS INTERNATIONAL SRL
(32) Priority Date	:01/02/2016	Address of Applicant :Chemin-Blanc 38 2400 Le Lode Switzerland
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:PCT/US2017/015950	1)WHITTAKER, Gregory R.
Filing Date	:01/02/2017	2)CLEVELAND, Benjamin
(87) International Publication No	:WO 2017/136392	3)BERTI, Stefano
(61) Patent of Addition to Application Number	:NA	4)SENGUN, Mehmet Ziya
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Devices systems and methods to improve both the reliability of soft tissue repair procedures and the speed at which the procedures are completed are provided. The devices and systems include one or more tissue augmentation constructs which include constructs that are configured to increase a footprint across which suture applied force to tissue when the suture is tied down onto the tissue. The tissue augmentation constructs can be quickly and easily associated with the repair suture and can be useful in many different tissue repair procedures that are disclosed in the application. In one exemplary embodiment one or more constructs are disposed on a suture threader which can be used to associate the construct(s) with a repair suture(s) being used to repair the soft tissue. Tissue augmentation constructs can include various blocks and patches among other formations. Exemplary methods for manufacturing the tissue augmentation constructs are also provided.



No. of Pages : 147 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027587 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FILTER DEVICE FOR FILTERING A SUPPLY VOLTAGE OF AN ULTRASONIC SENSOR OF A MOTOR VEHICLE ULTRASONIC SENSOR DEVICE AND MOTOR VEHICLE

(51) International classification :G01S15/93G01S7/524G01S15/87
(31) Priority Document No :10 2016 103 514.9
(32) Priority Date :29/02/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/051899
Filing Date :30/01/2017
(87) International Publication No :WO 2017/148633
(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)VALEO SCHALTER UND SENSOREN GMBH
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(72)Name of Inventor :

1)MOK, Erich

(57) Abstract :

The invention relates to a filter device (9) for filtering a supply voltage (Ub) of an ultrasonic sensor (10) of a motor vehicle (1) wherein the filter device (9) is electrically connectable on the input side to a voltage source (8) which provides the supply voltage (Ub) and on the output side to the ultrasonic sensor (10). The filter device (9) comprises a low-pass filter with a resistor (R1) and a capacitor (C1) wherein the filter device (9) has a diode (D2) which is connected in parallel to the resistor (R1).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027753 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BREAKAGE PREDICTION METHOD AND DEVICE PROGRAM AND RECORDING MEDIUM

(51) International classification	:G01N3/00
(31) Priority Document No	:2016-021170
(32) Priority Date	:05/02/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/004047
Filing Date	:03/02/2017
(87) International Publication No	:WO 2017/135432
(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)NIPPON STEEL & SUMITOMO METAL CORPORATION

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(72)Name of Inventor :

- 1)AITOH, Takahiro**
- 2)NIWA, Toshiyuki**
- 3)KASEDA, Yoshiyuki**
- 4)MANIWA, Nobuyuki**

(57) Abstract :

In the present invention during a deformation simulation of a member that is joined by spot welding on a flat surface (13a) of a member (10) to which a spot welded part (14) is provided an effective width which is a width that is in a direction orthogonal to the direction of a load centered on the spot welded part (14) and that changes in accordance with a change of the load is calculated at each prescribed time interval and then breakage of the spot welded part (14) is predicted using the calculated effective width. Due to this configuration when performing collision deformation prediction of an automobile member on a computer for example breakage of a spot welded part for which spot welding was modeled can be accurately predicted.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027768 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CANCER VACCINES

(51) International classification	:A61K39/00
(31) Priority Document No	:62/280636
(32) Priority Date	:19/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2017/050229
Filing Date	:16/01/2017
(87) International Publication No	:WO 2017/125844
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)BINDER, Joseph John

2)CHO, Helen Kim

3)COCKLE, Paul Jason

4)FALCONER, Derek John

5)GURU, Siradanahalli

6)JOOSS, Karin Ute

7)MARTINIC, Marianne Marcela Andrea

8)WILLS, Kenneth Nelson

(57) Abstract :

The present disclosure provides (a) isolated immunogenic TAA polypeptides (i.e. an immunogenic MUC1 polypeptides an immunogenic MSLN polypeptides and an immunogenic TERT polypeptides) (b) isolated nucleic acid molecules encoding one or more immunogenic TAA polypeptides (c) vaccine compositions comprising an immunogenic TAA polypeptide or an isolated nucleic acid molecule encoding an immunogenic TAA polypeptide and (d) methods relating to uses of the polypeptides nucleic acid molecules and compositions.

No. of Pages : 186 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027771 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : QUINAZOLINEDIONE-6-CARBONYL DERIVATIVES AND THEIR USE AS HERBICIDES

(51) International classification :C07D403/06C07D413/06C07D239/96
(31) Priority Document No :16156346.5
(32) Priority Date :18/02/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/053121
Filing Date :13/02/2017
(87) International Publication No :WO 2017/140612
(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)**BAYER CROPSCIENCE AKTIENGESELLSCHAFT**
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(72)Name of Inventor :
1)**BRAUN, Ralf**
2)**WALDRAFF, Christian**
3)**MACHETTIRA, Anu, Bheemaiah**
4)**DIETRICH, Hansjrg**
5)**GATZWEILER, Elmar**
6)**ROSINGER, Christopher, Hugh**

(57) Abstract :

The invention relates to quinazolinedione-6-carbonyl derivatives of general formula (I) used as herbicides. In formula (I) R1 R2 X and W stand for groups such as hydrogen alkyl and halogen. Z is a chalcogen. Q is a five-membered heterocycle.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027772 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THERAPEUTIC NANOPARTICLES COMPRISING A THERAPEUTIC AGENT AND METHODS OF MAKING AND USING SAME

(51) International classification	:A61K47/54A61K47/69A61K31/337
(31) Priority Document No	:62/293617
(32) Priority Date	:10/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2017/050762
Filing Date	:10/02/2017
(87) International Publication No	:WO 2017/137953
(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)Pfizer Inc.

Address of Applicant :235 East 42nd Street New York, New York 10017 U.S.A.

(72)Name of Inventor :

1)ZALE, Stephen E.

(57) Abstract :

The present disclosure generally relates to nanoparticles comprising an antibody such as an anti-PD-1 antibody. Other aspects include methods of making and using such nanoparticles. In an embodiment the nanoparticles comprise a diblock poly(lactic) acid-poly(ethylene)glycol (PLA-PEG) copolymer a chemotherapeutic agent and a prostate-specific membrane antigen (PSMA) targeting ligand.



No. of Pages : 61 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027775 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THERMOPLASTIC RESIN COMPOSITION PRODUCTION METHOD THEREFOR AND MOLDED BODY

(51) International classification :C08L23/00C08J3/20C08L77/00
(31) Priority Document No :2016-072742
(32) Priority Date :31/03/2016
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2017/010534
 Filing Date :15/03/2017
(87) International Publication No :WO 2017/169814
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)KITO Masayuki

2)TAKAHASHI Goro

3)SUZUKI Toshihiro

4)SAKO Mitsutaka

(57) Abstract :

The purpose of the present invention is to provide: a thermoplastic resin composition that has a novel phase structure capable of exhibiting excellent mechanical strength for which raw material selection and production management can be conducted across a wide composition range and with a high degree of freedom; a production method; and a molded body. The present invention comprises a polyolefin resin PO a polyamide resin PA and a compatibilizer blended therein has first phases F1 comprising the PA the compatibilizer and/or a reaction product thereof and has a second phase F2 having no PO and being interposed between first phases F1. The first phases F1 comprise: a matrix F11 comprising PA; and a dispersed phase F12 that is dispersed inside the matrix F11 and comprises the compatibilizer and/or a reaction product thereof. The present invention has branch shaped phases having branching sections as first phases F1. The present invention comprises: a step in which the PA and the compatibilizer are melt-kneaded having a compatibilizer blending ratio of 11%-45% by mass when the total of the PO PA and compatibilizer is 100% by mass; and a step in which an obtained first composition and PO are melt-kneaded.



No. of Pages : 49 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027589 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NAPHTHYRIDINES AS INTEGRIN ANTAGONISTS

(51) International classification	:C07D471/04A61K31/4375A61P11/00
(31) Priority Document No	:1604681.5
(32) Priority Date	:21/03/2016
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2017/056527
Filing Date	:20/03/2017
(87) International Publication No	:WO 2017/162572
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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- 3)HANCOCK, Ashley Paul**
- 4)LEMMA, Seble**
- 5)PRITCHARD, John Martin**
- 6)PROCOPIOU, Panayiotis Alexandrou**
- 7)REDMOND, Joanna Mary**
- 8)SOLLIS, Steven Leslie**

(57) Abstract :

The invention relates to compounds of Formula (I): wherein R1 R2 and R3 are as defined in the description and claims or pharmaceutically acceptable salts thereof having a6 integrin antagonist activity. The invention also relates to pharmaceutical compositions including a compound of formula (I) or a pharmaceutically acceptable salt thereof and to the use of a compound of formula (I) or a pharmaceutically acceptable salt thereof in therapy including in the treatment of a disease or condition for which an a6 integrin antagonist is indicated and in particular the treatment of idiopathic pulmonary fibrosis.



No. of Pages : 68 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027590 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FLAME-RETARDANT POLYAMIDE COMPOSITION

(51) International classification :C08K5/00C08K5/3492C08K5/52
(31) Priority Document No :10 2016 203 221.6
(32) Priority Date :29/02/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/053740
Filing Date :20/02/2017
(87) International Publication No :WO 2017/148721
(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)CLARIANT PLASTICS & COATINGS LTD
Address of Applicant :Rothausstr. 61 4132 Muttenz Switzerland

(72)Name of Inventor :

1)H-ROLD, Sebastian
2)SCHLOSSER, Elke

(57) Abstract :

The invention relates to a flame-retardant polyamide composition containing: as component A) 1 to 96 wt.% of one or more thermoplastic polyamides; as component B) 2 to 25 wt.% of a dialkylphosphinic acid salt of formula (I) where R1 and R2 are the same or different and represent linear branched or cyclical C1-C18 alkyl C6-C18 aryl C7-C18 aryl alkyl and /or C7-C18 alkylaryl; M represents Mg Ca Al Sb Sn Ge Ti Zn Fe Zr Ce Bi Sr Mn Li Na K and/or a protonated nitrogen base; m is 1 to 4; n is 1 to 4; as component C) 1 to 20 wt.% of a salt of phosphoric acid; as component D) 1 to 20 wt.% of one or more condensation products of melamine; as component E) 0 to 50 wt.% of a filler and/or reinforcing agent; as component F) 0 to 2 wt.% of a phosphite or phosphonite or mixtures thereof; and as component G) 0 to 2 wt.% of an ester or salt of long-chained aliphatic carboxylic acids (fatty acids) which typically have chain lengths of C14 to C40 the sum of the components always amounting to 100 wt%. The invention also relates to the use of said composition.

No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027598 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR CALIBRATING A SCANNING PROBE

(51) International classification	:G01B21/04B23Q17/00
(31) Priority Document No	:1603496.9
(32) Priority Date	:29/02/2016
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2017/050450
Filing Date	:22/02/2017
(87) International Publication No	:WO 2017/149274
(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)RENISHAW PLC

Address of Applicant :New Mills Wotton-under-Edge Gloucestershire GL12 8JR U.K.

(72)Name of Inventor :

1)OULD, John, Charles

(57) Abstract :

A method is described for setting a null position of a scanning probe (4;40) mounted to the rotatable spindle (2) of a machine tool. This method may be performed as part of a probe qualification process. The method comprises setting the null position using probe measurement data collected by the scanning probe (4;40) when mounted to the spindle (2). In one embodiment a stylus tip (14;94) of the scanning probe may be located in a conical recess (92) whilst the probe measurement data is collected. The set null position is arranged to be away from the rest position of the scanning probe and to substantially coincide with the axis of rotation (R S) of the spindle. The need to measure and use a probe offset value in subsequent measurement cycles can thus be avoided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027599 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LONG DURABILITY HIGH PERFORMANCE STEEL FOR STRUCTURAL MACHINE AND TOOLING APPLICATIONS

(51) International classification :C22C38/00C22C38/04C22C38/06
(31) Priority Document No :15382664.9
(32) Priority Date :24/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/050039
Filing Date :02/01/2017
(87) International Publication No :WO 2017/109233
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date

(71)Name of Applicant :

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(72)Name of Inventor :

1)VALLS, Isaac

(57) Abstract :

Steels in particular hot work steels having high toughness even for high thickness including steels having long durability combined with mechanical tribological and thermal properties for highly demanding applications and steels which can achieve a very good environmental resistance and resistance to certain aggressive media combined with other relevant properties are described. These steels may also be obtained at low cost. A method for the manufacture of steels having high thickness and manufacturing methods to shape the materials of the invention through several steps including an additive manufacturing step to manufacture at least a part of an intermediate mold a mold or a model a Cold Isostatic Pressing (CIP) step the elimination of the mold and densification among other steps are also described.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027776 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SELF-REGULATING HEATING DEVICE FOR THE LIQUID OF A VEHICLE WINDOW WIPER SYSTEM

(51) International classification	:B60S1/48F16L53/00H05B3/12
(31) Priority Document No	:1650686
(32) Priority Date	:28/01/2016
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2017/051201
Filing Date	:20/01/2017
(87) International Publication No	:WO 2017/129489
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)BAYARD, Geoffrey

2)BERTHON, Nadia

(57) Abstract :

The invention concerns a device (15) for conveying and heating a liquid intended to be installed between a means for circulating the liquid and a wiper blade of a wiper system comprising a wall (21) delimiting at least one conduit (22 23) for circulating the liquid and an electrical circuit intended to connect two terminals set to different potentials and comprising a heating element embedded in said wall (21) characterised in that at least one portion of said electrical circuit is formed by a self-regulating cable (30) arranged to limit a current flowing through the electrical circuit depending on an increase in temperature. Said invention can be used for motor vehicles.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027777 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR OBTAINING VALUE-DETERMINING CONTENTS FROM FOODS

(51) International classification :B01D11/02C11B1/10C11B9/02
(31) Priority Document No :00069/16
(32) Priority Date :19/01/2016
(33) Name of priority country :Switzerland
(86) International Application No:PCT/CH2017/000006
Filing Date :19/01/2017
(87) International Publication No :WO 2017/124201
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)LAUX, Roland

2)HHN, Tilo

(57) Abstract :

The invention relates to a method for obtaining value-determining contents such as flavoring substances vitamins and polyphenols from foods (13) having the following steps: a) providing a food (13) b) adding a plant oil (15) as an extraction means c) grinding the food (13) and the plant oil (15) into a mash (21) and d) separating the mash into an extraction phase which is an oil phase (25) and a solid phase (29) as a raffinate phase. The food (13) and the plant oil (19) are ground very finely said grinding process being defined in that the food (13) together with the plant oil (15) is ground until the oil phase (25) has an average particle size of less than 300 µm preferably less than 100 µm particularly preferably less than 20 µm.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027778 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CORROSION-RESISTANT COMPOSITION

(51) International classification	:C09D5/08C09D5/44C07F9/94
(31) Priority Document No	:62/293628
(32) Priority Date	:10/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/017383
Filing Date	:10/02/2017
(87) International Publication No	:WO 2017/139585
(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)SWIMC LLC

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(72)Name of Inventor :

1)GELLING, Victoria, J.

2)DEBROY, Tapan

3)LUNDEEN, Phyllis, A.

4)BROGLY, Brandon, J.

(57) Abstract :

A corrosion-resistant coating composition is provided. The composition includes a binder system comprising at least one polymeric resin and an inorganic bismuth-containing compound. Methods of coating and using the coating composition are also provided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027781 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REPORTING OF RADIO CHANNEL QUALITY

(51) International classification	:H04L1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2016/052377
Filing Date	:04/02/2016
(87) International Publication No	:WO 2017/133775
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

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(72)Name of Inventor :

1)HESSLER, Martin

2)MOOSAVI, Reza

3)BJ-RNSON, Emil

4)LARSSON, Erik, G

(57) Abstract :

A method implemented in a first radio device (UE) for quality reporting of a radio channel (2) comprising: Determining a condition of the radio channel and entering a monitoring phase if the condition of the radio channel exhibits an invariance of statistics of the radio channel (810 81 1) Receiving at least one data symbol via said radio channel during the monitoring phase (812) Determining a statistical characterization of the radio channel based on the received data symbol (813) and Reporting a quality of the radio channel (2) to a second radio device if the statistical characterization exceeds a predetermined threshold (814).



No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027784 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONTROLLED RELEASE AGROCHEMICAL DELIVERY UNITS THEIR MANUFACTURE AND USE

(51) International classification :A01N25/04A01G1/00A01N25/26
(31) Priority Document No :62/271862
(32) Priority Date :28/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/001921
Filing Date :21/12/2016
(87) International Publication No :WO 2017/115135
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)BEN-MOSHE, Matti
5)SHANI, Uri
6)BARNEA, Zach
7)SEGAL, Eran
8)LEMBERGER, Nitay

(72)**Name of Inventor :**

- 1)VITNER, Asher
2)MILLER, Zvi
3)BEN-MOSHE, Matti
4)SHANI, Uri
5)BARNEA, Zach
6)SEGAL, Eran
7)LEMBERGER, Nitay

(57) Abstract :

Disclosed is an agrochemical delivery unit comprising an impermeable cell which is a cell made of material that is impermeable to water; an agrochemical within the impermeable cell; and a wick comprising a hydrogel said wick having a portion located within the impermeable cell and a portion located outside of the impermeable cell. Also disclosed is an agrochemical delivery unit comprising (a) a cell comprising two or more cell wall segments wherein at least one segment is impermeable to water and at least one segment is permeable to water; and (ii) an agrochemical within the cell. The invention provides methods of making and using the units.



No. of Pages : 35 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027791 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DATA DRIVEN SCHEDULER ON MULTIPLE COMPUTING CORES

(51) International classification	:G06F9/48G06F15/80
(31) Priority Document No	:14/981257
(32) Priority Date	:28/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/052710
Filing Date	:20/09/2016
(87) International Publication No	:WO 2017/116517
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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2)ATI TECHNOLOGIES ULC

(72)**Name of Inventor :**

1)MIRZA, Jimshed

2)ZHU, YunPeng

(57) Abstract :

Methods devices and systems for data driven scheduling of a plurality of computing cores of a processor. A plurality of threads may be executed on the plurality of computing cores according to a default schedule. The plurality of threads may be analyzed based on the execution to determine correlations among the plurality of threads. A data driven schedule may be generated based on the correlations. The plurality of threads may be executed on the plurality of computing cores according to the data driven schedule.



No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027794 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A COMBINATION THERAPY USING REIC/DKK-3 GENE AND A CHECKPOINT INHIBITOR

(51) International classification :A61K48/00A61K39/395A61K45/00
(31) Priority Document No :62/276371
(32) Priority Date :08/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/JP2017/000318
Filing Date :06/01/2017
(87) International Publication No :WO 2017/119499
(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)MOMOTARO-GENE INC.

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(72)Name of Inventor :

1)KUMON Hiromi

2)LOWENTHAL Richard

(57) Abstract :

An object of the present invention is to provide a method of treating cancer using a checkpoint inhibitor in combination with REIC/Dkk-3 gene. The present invention is a combination pharmaceutical kit for treating cancer comprising REIC/Dkk-3 in combination with a check point inhibitor and a method for treating cancer by administering REIC/Dkk-3 gene and a check point inhibitor to a cancer patient.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027801 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ROTARY FEEDTHROUGH ASSEMBLY FOR A TIRE INFLATION SYSTEM

(51) International classification	:B60C23/00
(31) Priority Document No	:16425015.1
(32) Priority Date	:19/02/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/053679
Filing Date	:17/02/2017
(87) International Publication No	:WO 2017/140882
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MATTAVELLI, Dino

(57) Abstract :

Rotary feedthrough assembly (100) for a tire inflation system for a vehicle the assembly (100) comprising: a stationary part (2) comprising a first section (16a) of a main fluid line (16) and a first section (17a) of a pilot fluid line (17); a rotatable part (5) rotatably mounted on the stationary part and configured to support a pneumatic tire the rotatable part (5) comprising a second section (16b) of the main fluid line (16) and a second section (17b) of the pilot fluid line (17); a first annular seal chamber (8) radially disposed between the stationary part (2) and the rotatable part (5) the first annular seal chamber (8) providing fluid communication between the first section (16a) of the main fluid line (16) and the second section (16b) of the main fluid line (16); a second annular seal chamber (3) radially disposed between the stationary part (2) and the rotatable part (5) the second annular seal chamber (3) providing fluid communication between the first section (17a) of the pilot fluid line (17) and the second section (17b) of the pilot fluid line (17); wherein the first annular seal chamber (8) and the second annular seal chamber (3) are located on radially opposing sides of the rotatable part (5).



No. of Pages : 11 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027802 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOFT TISSUE FIXATION REPAIR METHODS USING TISSUE AUGMENTATION CONSTRUCTS

(51) International classification :A61B17/04A61B17/06
(31) Priority Document No :62/289702
(32) Priority Date :01/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/015952
 Filing Date :01/02/2017
(87) International Publication No :WO 2017/136394
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)WHITTAKER, Gregory R.
2)CLEVELAND, Benjamin
3)BERTI, Stefano
4)PICCIRILLO, Justin
5)THEIS, Reagan A.
6)SENGUN, Mehmet Ziya

(57) Abstract :

Devices systems and methods to improve both the reliability of soft tissue repair procedures and the speed at which the procedures are completed are provided. The devices and systems include one or more tissue augmentation constructs which include constructs that are configured to increase a footprint across which suture applied force to tissue when the suture is tied down onto the tissue. The tissue augmentation constructs can be quickly and easily associated with the repair suture and can be useful in many different tissue repair procedures that are disclosed in the application. In one exemplary embodiment one or more constructs are disposed on a suture threader which can be used to associate the construct(s) with a repair suture(s) being used to repair the soft tissue. Tissue augmentation constructs can include various blocks and patches among other formations. Exemplary methods for manufacturing the tissue augmentation constructs are also provided.

No. of Pages : 147 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027805 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LOW PRESSURE SEPARATOR HAVING AN INTERNAL DIVIDER AND USES THEREFOR

(51) International classification	:C12P7/06C12M1/00
(31) Priority Document No	:62/291508
(32) Priority Date	:04/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/016501
Filing Date	:03/02/2017
(87) International Publication No	:WO 2017/136722
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :c/o TMF Group Level 12 55 Shortland Street Auckland, 1010 New Zealand

2)SCHULTZ, Michael Anthony

(72)Name of Inventor :

1)SCHULTZ, Michael Anthony

(57) Abstract :

Improvements in biological conversion processes and associated apparatuses are disclosed for the generation of useful end products such as ethanol through metabolic pathways of C1-fixing bacteria that utilize as a nutrient a C1-carbon source from a C1-containing substrate such as an industrial waste gas. Particular aspects of the disclosure relate to the downstream recovery of ethanol and/or isopropanol from bleed and permeate streams and more particularly to performing such recovery with improved efficiency that can advantageously reduce capital (e.g. equipment) and/or operating (e.g. utility) costs. Particular aspects related to the downstream recovery of ethanol and/or isopropanol using a low pressure separator having an internal divider.



No. of Pages : 38 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027806 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PRODUCT MANAGEMENT IN BIOLOGICAL CONVERSION PROCESSES

(51) International classification	:C12P7/06C12M1/00
(31) Priority Document No	:62/291508
(32) Priority Date	:04/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/016529
Filing Date	:03/02/2017
(87) International Publication No	:WO 2017/136740
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)BRENC, Rachel Jane

(72)Name of Inventor :

1)SCHULTZ, Michael Anthony

2)RAISER, Thomas Ewald

3)BRENC, Rachel Jane

(57) Abstract :

Improvements in biological conversion processes and associated apparatuses are disclosed for the generation of useful end products such as ethanol through metabolic pathways of C1-fixing bacteria that utilize as a nutrient a C1-carbon source from a C1-containing substrate such as an industrial waste gas. Particular aspects of the disclosure relate to the downstream recovery of ethanol and/or isopropanol from bleed and permeate streams and more particularly to performing such recovery with improved efficiency that can advantageously reduce capital (e.g. equipment) and/or operating (e.g. utility) costs.



No. of Pages : 36 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027811 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PYRAZOLO[15-A]PYRAZIN-4-YL DERIVATIVES AS JAK-INHIBITORS

(51) International classification :C07D487/04A61K31/4985A61P37/02
(31) Priority Document No :62/299130
(32) Priority Date :24/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/050748
Filing Date :10/02/2017
(87) International Publication No :WO 2017/144995
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)DERMENCI, Alpay
3)FENSOME, Andrew
4)GERSTENBERGER, Brian Stephen
5)HAYWARD, Matthew Merrill
6)OWEN, Dafydd Rhys
7)WRIGHT, Stephen Wayne
8)XING, Li Huang
9)YANG, Xiaojing

(57) Abstract :

A compound compound having the structure (I) or a pharmaceutically acceptable salt thereof or a pharmaceutically acceptable solvate of said compound or pharmaceutically acceptable salt wherein A A and A are independently O C=O C-R or N-R where R and R may independently be H amino -NR7COR6 COR6 -CONR7R8 C1-C6 alkyl or hydroxy(C1-C6 alkyl) and R may be present or absent and is present where the rules of valency permit and where not more than one of A A and A is O or C=0; R0 and R are independently H Br Cl F or C1-C6 alkyl; R1 is H C1-C6 alkyl or hydroxy(C1-C6 alkyl); R2 is selected from the group consisting of H C1-C6 alkyl C1-C6 alkoxy hydroxy(C1-C6 alkyl) phenyl(C1-C6 alkyl) formyl heteroaryl heterocyclic -COR6 -OCOR6 -COOR6 -NR7COR6 -CONR7R8 and -(CH2)n-W where W is cyano hydroxy C3-C8 cycloalkyl -SO2NR7R8 and -SO2-R9 where R9 is C1-C6 alkyl C3-C8 cycloalkyl heteroaryl or heterocyclic; wherein each of said alkyl cycloalkyl heterocyclic or heteroaryl may be unsubstituted or substituted by halo cyano hydroxy or C1-C6 alkyl; X is C-R3 or N where R3 may be H or C1-C6 alkyl; R4 and R5 are independently H amino C1-C6 alkyl or hydroxy(C1-C6 alkyl); R6 R7 and R8 are each independently H C1-C6 alkyl C1-C4 alkoxy(C1-C6 alkyl) or C3-C8 cycloalkyl said C1- C6 alkyl is optionally substituted by halo CN or hydroxy; or R7 and R8 together with the atom bonded thereto form a 5- or 6-membered ring said ring being optionally substituted by halo hydroxy CN or C1-C6 alkyl; and n is 0 1 2 or 3. Also provided are methods of treatment as Janus Kinase inhibitors and pharmaceutical compositions containing the compounds of the invention and combinations thereof with other therapeutic agents.

No. of Pages : 122 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027817 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTICOMPONENT SINTERED POROUS LIQUID APPLICATOR NIBS

(51) International classification :B43K8/06B43K1/00A45D34/04
(31) Priority Document No :62/286493
(32) Priority Date :25/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/014870
Filing Date :25/01/2017
(87) International Publication No :WO 2017/132221
(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)POREX CORPORATION

Address of Applicant :500 Bohannon Road Fairburn, Georgia 30213 U.S.A.

(72)Name of Inventor :

1)SPORRER, Kevin John

(57) Abstract :

The present application provides a porous sintered multicomponent applicator nib and methods of making and using these nibs. The porous nibs are made from sintered plastic particles. These nibs are used with liquid applicators devices medical devices writing tools or cosmetic applicators to apply liquids containing high solids or pigments to surfaces such as metal paper skin hair tissue or a wound. In a first embodiment the nib comprises a shank (12) a nub (14) and a head (16) wherein the shank contacts a first end of the nub and the head contacts a second end of the nub and wherein the average pore size of the shank is greater than the average pore size of the nub and the average pore size of the nub is greater than the average pore size of the head. In a second embodiment the nib comprises a shank (12) and a head (66) wherein the shank has a first end to contact liquid in a reservoir and a second end to contact the head the head having a body (63) and a tip (64) and wherein the average pore size of the first end of the shank is greater than the average pore size of the second end of the shank and the average pore size of the head body is greater than the average pore size of the head tip.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2018

(21) Application No.201814017864 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROVISION AND MANAGEMENT OF ADVERTISING VIA MOBILE ENTITY

(51) International classification	:G06F3/016	(71) Name of Applicant : 1)Renesas Electronics Corporation Address of Applicant :2-24, Toyosu 3-chome, Koutou-ku, Tokyo 135-0061, Japan Japan
(31) Priority Document No	:2017-105618	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor : 1)Takayuki HIRAMA
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

ABSTRACT OF THE DISCLOSURE Provided is a technique for managing advertising displayed on digital signage. An advertising management server (120) causes a mobile display medium (130) having an electronic signboard (131) to display one or more advertisements (140), acquires positional information about the mobile display medium (130), receives, from a mobile communication terminal (150) having a photograph function, a photograph image of the advertisement (140) displayed on the mobile display medium (130) and positional information about a position where the photograph image was taken, and grants predetermined payment data for visual recognition of the advertisement (140) by a user of the mobile communication terminal (150), to a manager of the mobile display medium (130) and the user of the mobile communication terminal (150), when the visual recognition of the advertisement (140) by the user of the mobile communication terminal (150) is confirmed based on the positional information about the mobile display medium (130) and positional information about the mobile communication terminal (150).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2018

(21) Application No.201814017883 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REFRIGERATOR

(51) International classification	:F16D65/02	(71)Name of Applicant :
(31) Priority Document No	:10-2017-0065030	1)LG ELECTRONICS INC. Address of Applicant :128, YEOUI-DAERO, YEONGDEUNGPO-GU SEOUL 07336 REPUBLIC OF KOREA
(32) Priority Date	:26/05/2017	Republic of Korea
(33) Name of priority country	:Republic of Korea	Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Jimin YOU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a refrigerator. The refrigerator includes a cabinet defining a refrigerating compartment and a freezing compartment, a refrigerating compartment door opening and closing the refrigerating compartment, a freezing compartment door opening and closing the freezing compartment, a dispenser provided in a front surface of the refrigerating compartment door, an ice maker provided in the freezing compartment door, a water tank detachably disposed on a rear surface of the refrigerating compartment door above the dispenser to supply water by a self-weight of the water when the water tank is mounted, and a tank connection member disposed in the refrigerating compartment door and connected to the water tank when the water tank is mounted to provide a passage branched toward the dispenser and the ice maker.



No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2018

(21) Application No.201814017887 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ATM WITHDRAWAL QUERY METHOD AND APPARATUS

(51) International classification	:G06F11/27
(31) Priority Document No	:10201704310S
(32) Priority Date	:26/05/2017
(33) Name of priority country	:Singapore
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)RODRIGUES, Elson
2)SHARMA, Piyush

(57) Abstract :

There is provided, for a customer, a convenient way of remotely determining whether an ATM is available for a desired withdrawal before physically travelling to the location of the ATM. This convenience is enabled by a polling mechanism to determine parameters of various ATMs. This capability can therefore avoid the potential inconvenience of a customer wasting time and effort going to an ATM only to discover that the ATM is inoperative or is not loaded with sufficient cash or not having desired denominations of currency.



No. of Pages : 43 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027818 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BENZOPYRAZOLE COMPOUNDS AND ANALOGUES THEREOF

(51) International classification :C07K16/28A61K39/00A61P9/00
(31) Priority Document No :62/289653
(32) Priority Date :01/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/015953
Filing Date :01/02/2017
(87) International Publication No :WO 2017/136395
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)KOTIAN, Pravin, L.

2)BABU, Yarlagadda, S.

3)ZHANG, Weihe

4)VOGETI, Lakshminarayana

5)WU, Minwan

6)CHINTAREDDY, Venkat, R.

7)RAMAN, Krishnan

(57) Abstract :

Disclosed are compounds of formula (I) and pharmaceutically acceptable salts thereof. The compounds are inhibitors of the complement system. Also provided are pharmaceutical compositions comprising a compound of formula (I) and methods involving use of the compounds and compositions in the treatment and prevention of diseases and conditions characterized by aberrant complement system activity.

No. of Pages : 469 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027820 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOISE ATTENUATION APPARATUS FOR FLUID DEVICES

(51) International classification	:F16L55/027
(31) Priority Document No	:14/997052
(32) Priority Date	:15/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/013369
Filing Date	:13/01/2017
(87) International Publication No	:WO 2017/123895
(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)EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC.

Address of Applicant :3200 Emerson Way McKinney, TX
75070 U.S.A.

(72)Name of Inventor :

**1)TECSON, Joshua, Logan
2)NGUYEN, Tung, K.
3)DIAZ, Juan, M.**

(57) Abstract :

Noise attenuation apparatus for fluid devices are disclosed herein. A noise attenuation apparatus includes a first plate having a plurality of first openings to reduce noise generated by a fluid flowing through a fluid device and a second plate having a plurality of second openings to reduce noise generated by the fluid. The second plate directly engages the first plate and the first openings to at least partially align with the second openings when the first plate is in direct engagement with the second plate to define a flow passageway of the noise attenuation apparatus.



No. of Pages : 14 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027821 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOISE-ATTENUATION APPARATUS FOR PRESSURE REGULATORS

(51) International classification :F16L55/027F16K47/08G05D16/02
(31) Priority Document No :14/996990
(32) Priority Date :15/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/013366
Filing Date :13/01/2017
(87) International Publication No :WO 2017/123892
(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)EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC.

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(72)Name of Inventor :

1)TECSON, Joshua, Logan
2)PELFREY, Roy, R.
3)MASIAS, Justin, L.

(57) Abstract :

Noise attenuation apparatus (300) for pressure regulators are disclosed. An example apparatus (300) includes a first noise attenuator (312) disposed at a first position in a fluid passageway of a pressure regulator and a second noise attenuator (314) disposed at a second position in the fluid passageway. The second position is spaced apart from the first position along the fluid passageway. The example apparatus (300) also includes fasteners (328) extending between the first noise attenuator (312) and the second noise attenuator (314) to position the first noise attenuator (312) at the first position and the second noise attenuator 314 at the second position. The fasteners (328) are to couple to peripheral portions of the noise attenuators (312 314).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027822 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOLDED MATERIAL PRODUCTION METHOD AND MOLDED MATERIAL

(51) International classification	:B21D22/28
(31) Priority Document No	:2016-033361
(32) Priority Date	:24/02/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/006364
Filing Date	:21/02/2017
(87) International Publication No	:WO 2017/146045
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)NAKAMURA, Naofumi

2)YAMAMOTO, Yudai

(57) Abstract :

Provided are: a molded material production method in which a molded material is produced from a starting material metal plate said molded material comprising a cylindrical body section and a flange formed on an end of the body section; and a molded material produced thereby. The molded material production method prevents the flange section of the molded material from becoming unnecessarily thick prevents the occurrence of wrinkles and buckling and makes it possible to reduce the weight of the molded material and the size of the starting material metal plate. When producing a molded material by a molding process including at least one instance of drawing/extraction processing and at least one instance of drawing processing performed after the drawing/extraction processing a die and a drawing sleeve are opened and initial drawing processing is performed on an area corresponding to the body section and ironing processing is carried out on an area corresponding to the flange while keeping the mold gap between the die and the drawing sleeve constant.



No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027823 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTRON-CONTAINING PROMOTERS AND USES THEREOF

(51) International classification :C12N15/80C12N15/113
(31) Priority Document No :62/292030
(32) Priority Date :05/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SG2017/050046
 Filing Date :02/02/2017
(87) International Publication No :WO 2017/135895
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)JI, Lianghui
2)LIU, Yanbin
3)KOH, Chong Mei John
4)YAP, Sihui Amy**

(57) Abstract :

The present invention relates to the field of molecular biology and more particularly to promoters useful for metabolic engineering in yeast or fungi for the production of biobased chemicals with broad applications. Intron-containing promoters with strong activity during oil- accumulation stages are particularly useful for genetic engineering in yeast and fungi particularly Rhodosporidium or Rhodotorula genera. Such promoter are capable of driving strong expression of RNA or proteins in species of the Rhodosporidium or Rhodotorula genera.



No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027825 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MANUFACTURE OF LACTIC ACID-FERMENTED BATTER

(51) International classification	:A21D10/04
(31) Priority Document No	:16156180.8
(32) Priority Date	:17/02/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/053527
Filing Date	:16/02/2017
(87) International Publication No	:WO 2017/140796
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Denmark

(72)Name of Inventor :

1)FOURCASSIE, Pascal

2)KRISHNAMANI, Keshav

(57) Abstract :

The present invention relates to a culture or kit-of-part comprising or consisting of a Lactobacillus plantarum strain and Leuconostoc spp strain(s) and uses thereof to manufacture a millet- sorghum- lentil- pea- rice- or teff-based lactic acid-fermented batter in particular a batter for Dosa or Idli application.



No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027826 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR PRODUCING DIESEL WITH LOW LEVELS OF SULFUR

(51) International classification :C10G45/22C10L1/08
(31) Priority Document No :62/286562
(32) Priority Date :25/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/012763
 Filing Date :09/01/2017
(87) International Publication No :WO 2017/131945
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)DINDI, Hasan

(57) Abstract :

This disclosure relates to a process for producing diesel with reduced levels of sulfur. The process involves (a) providing a diesel feed comprising a diesel having a sulfur content in the range of about 20 to about 10000 wppm; (b) feeding the diesel feed and a hydrogen rich gas to a reaction zone comprising a hydrotreating catalyst to produce a hydrotreated diesel effluent comprising diesel and hydrogen sulfide; and (c) removing hydrogen sulfide from the hydrotreated diesel effluent to produce a diesel product having a sulfur content no more than about 100 wppm; wherein hydrogen consumption in the reaction zone is in the range of about -150 to about 150 scf/bbl.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027827 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTERVENTIONAL MEDICAL INSTRUMENT DELIVERY APPARATUS AND
INTERVENTIONAL MEDICAL SYSTEM

(51) International classification :A61F2/95A61F2/966A61B17/00
(31) Priority Document No :201511033393.7
(32) Priority Date :31/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/087768
Filing Date :29/06/2016
(87) International Publication No :WO 2017/113667
Filing Date :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)LI, Siyi
2)LI, Anning

(57) Abstract :

An interventional medical system (10) comprises an instrument (100) provided with a plug head (120) and a delivery cable (200) provided with a cable head (211) and further comprises a locking sleeve (300) movably sleeved onto the delivery cable (200). The cable head (211) comprises at least one resilient locking piece (123) extending approximately away from a central axis of the cable head (211). When under a radial restraint applied by the locking sleeve (300) the plug head (120) abuts the locking piece (123) such that the plug head (120) is connected to the cable head (211) and when the locking sleeve (300) has moved relative to the delivery cable (200) such that the locking piece (123) is no longer radially restrained the locking piece (123) elastically moves away from the plug head (120) such that the instrument (100) is separated from the delivery cable (200).



No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027837 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BUILD MATERIAL CONTAINER

(51) International classification :B29C67/00B29C31/02B22F3/105
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/060763
Filing Date :12/05/2016
(87) International Publication No :WO 2017/194139
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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4)MORROS, Marc

5)COFELICE, Nicola

(72)Name of Inventor :

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2)ALONSO BECERRO, Xavier

3)MORROS, Marc

4)COFELICE, Nicola

(57) Abstract :

An additive manufacturing build material container (1) comprises a reservoir (3) to hold build material (11) and a build material outlet structure (13). The container also includes a throughput structure (35) to allow air to enter into the reservoir through the throughput opening (OP2) wherein said throughput opening provides access to build material in and out of the reservoir.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027838 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BUILD MATERIAL CONTAINERS

(51) International classification :B29C67/00B65D37/00B65D88/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/060795
Filing Date :12/05/2016
(87) International Publication No :WO 2017/194151
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)ALONSO, Xavier
3)SARDA, Santiago
4)COFELICE, Nicola

(57) Abstract :

There is provided a 3D printing build material container (1). The container (1) comprises a reservoir (3) and a reinforcement structure (4). The reservoir is to hold build material. The reinforcement structure is attached to the reservoir at at least one selected location. The reservoir and reinforcement structure are to permit reconfiguration of the container from a relatively flat configuration to an in-use configuration in which the reservoir is tillable with build material.



No. of Pages : 34 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027839 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BUILD MATERIAL CONTAINER

(51) International classification :B29C31/02B65G65/36B65D77/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/060790
Filing Date :12/05/2016
(87) International Publication No :WO 2017/194147
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHANCLON, Ismael
2)ALONSO, Xavier
3)ESQUIUS, Ferran

(57) Abstract :

An additive manufacturing build material container (15) comprises a reservoir to hold build material and a build material outlet structure (13).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027840 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BUILD MATERIAL CONTAINER

(51) International classification:B29C67/00B29C31/02B65G53/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/060748
Filing Date :12/05/2016
(87) International Publication No :WO 2017/194135
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)JONES POPPESCOU, Ernesto Alejandro
(72)**Name of Inventor :**
1)CHANCLON FERNANDEZ, Ismael
2)ALONSO BECERRO, Xavier
3)JONES POPPESCOU, Ernesto Alejandro

(57) Abstract :

An additive-manufacturing build-material container (201) comprises a reservoir to hold build material an outlet opening in a top portion of the reservoir an outlet tube structure including a longitudinal collection unit to collect build material from the bottom and guide the build material to the outlet opening at the top upon application of a suction force at the other end thereof and to guide the collected build material to the outlet opening at the top; and a vent opening in a top portion of the reservoir to admit gas from outside the reservoir into the reservoir to follow a gas flow path through the vent opening through the reservoir and into said one end of the longitudinal collection tube; wherein on said gas flow path there is at least one turbulent-gas-flow-generation feature (237) to generate turbulent gas flow in a region that is within the reservoir and outside the longitudinal collection tube.



No. of Pages : 48 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027841 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A BUILD MATERIAL SOURCE CONTAINER

(51) International classification :B29C67/00B22F3/105B65D88/16

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2016/060661

Filing Date :12/05/2016

(87) International Publication No :WO 2017/194112

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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2)JONES POPPESCOU, Ernesto Alejandro

3)ALONSO BECERRO, Xavier

(57) Abstract :

There is provided a build material source container (114) for use in a material management station of a three dimensional (3D) printer. The source container defines a substantially enclosed space for holding build material and has an aperture (206) for build material ingress and egress. At least part of the build material source container is formed from an electrically conductive material. The conductive material portion of the build material source container is connectable to Earth to discharge static electricity generated within the build material source container.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027842 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONTROL DEVICE FOR BRAKE SYSTEM FOR MOTORCYCLE BRAKE SYSTEM FOR MOTORCYCLE AND CONTROL METHOD FOR BRAKE SYSTEM FOR MOTORCYCLE

(51) International classification	:B60T8/17B60T7/12
(31) Priority Document No	:2016-014014
(32) Priority Date	:28/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2016/057540
Filing Date	:12/12/2016
(87) International Publication No	:WO 2017/130042
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)IWATSUKI, Junya

(57) Abstract :

There are obtained a control device and a control method for a brake system for a motorcycle with which it is possible to improve the action stability of a motorcycle when the road surface is a steep uphill gradient. In the present invention a brake system for a motorcycle provided with such a control device is also obtained. In the control device and control method for a brake system for a motorcycle and the brake system for a motorcycle according to the present invention when while the road surface is an uphill gradient it is determined that a user is operating a first brake operation part 11 and it is determined that a motorcycle 100 is in a state of slipping down in which the motorcycle 100 moves backwards while a front wheel 3 is being braked an emergency brake action for causing a rear wheel braking mechanism 14 to generate a braking force for braking a rear wheel 4 is performed.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027843 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OUTLET STRUCTURE

(51) International classification :B29C67/00B33Y30/00B33Y40/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/060796
Filing Date :12/05/2016
(87) International Publication No :WO 2017/194152
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHANCLON, Ismael
2)ALONSO, Xavier
3)JONES POPPESCOU, Ernesto, Alejandro

(57) Abstract :

A build material container outlet structure (100) comprises: a connector (107) comprising an interface surface (116) and an adaptor to receive a nozzle structure (202) of an external aspiration system; a socket (120) recessed from the interface surface to receive a data interconnect structure (212) of the nozzle structure the data interconnect structure comprising a data interface (213); a data contact (122) disposed in the socket to engage with the data interface of the data interconnect structure when the nozzle structure is in an engagement position; and an activation structure (124) disposed on the interface surface to engage a switch element (214) in the nozzle structure of the external aspiration system when the nozzle structure is held in the engagement position.



No. of Pages : 40 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027845 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BATTERY MANAGEMENT SYSTEM

(51) International classification	:H02J/00H01M10/44
(31) Priority Document No	:1523105.3
(32) Priority Date	:30/12/2015
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2016/054090
Filing Date	:30/12/2016
(87) International Publication No	:WO 2017/115091
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)IRISH, Stephen

2)SHAW, Robin

(57) Abstract :

A battery management system for use in charging a rechargeable battery is disclosed. The battery management system comprises a controller and a temperature sensor wherein the temperature sensor is configured to provide a temperature signal based on a temperature of the rechargeable battery and wherein the controller is configured to control a charging current for charging the rechargeable battery based on the temperature signal. In response to the temperature signal indicating that the temperature exceeds a first threshold temperature signal value the charging current is tapered down as a function of increasing temperature.



No. of Pages : 27 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817027846 A

(19) INDIA

(22) Date of filing of Application :24/07/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : BATTERY MANAGEMENT SYSTEM

(51) International classification :H02J7/00H02J7/04H01M10/42
(31) Priority Document No :1523108.7
(32) Priority Date :30/12/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/054091
 Filing Date :30/12/2016
(87) International Publication No :WO 2017/115092
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)IRISH, Stephen

2)SHAW, Robin

(57) Abstract :

A battery management system for use in charging a rechargeable battery is disclosed. The battery management system comprises a controller powered by a first power supply at least one sensor for providing a sensor signal relating to at least one parameter of the rechargeable battery to the controller and a data store. The controller is configured to write data to the data store based on the sensor signal. The data store is coupled to a data reader. The data reader is operable to be powered by an auxiliary power supply to read data held by the data store.



No. of Pages : 27 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027848 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A METHOD SYSTEM AND APPARATUS USING FORWARD-SECURE CRYPTOGRAPHY FOR PASSCODE VERIFICATION

(51) International classification :H04L9/08H04L9/32H04L29/06
(31) Priority Document No :62/273138
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/069464
 Filing Date :30/12/2016
(87) International Publication No :WO 2017/117520
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)**Name of Applicant :**

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2)ONESPAN INTERNATIONAL GMBH

(72)**Name of Inventor :**

1)MURDOCK, Steven

(57) Abstract :

Methods apparatus and systems using a passcode for securing interaction between a user and a computer based application are disclosed.



No. of Pages : 51 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027850 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MINI-ILL RNASES METHODS FOR CHANGING SPECIFICITY OF RNA SEQUENCE CLEAVAGE BY MINI-ILL RNASES AND USES THEREOF

(51) International classification	:C12N9/22	(71) Name of Applicant :
(31) Priority Document No	:PL415883	1)BIOTECH INNOVATIONS SP. Z O. O.
(32) Priority Date	:22/01/2016	Address of Applicant :ul. Ks. Trojdena 4 - 02-109 Warszawa
(33) Name of priority country	:Poland	Poland
(86) International Application No	:PCT/IB2017/050296	(72) Name of Inventor :
Filing Date	:20/01/2017	1)BUJNICKI, Janusz
(87) International Publication No	:WO 2017/125880	2)SKOWRONEK, Krzysztof
(61) Patent of Addition to Application Number	:NA	3)GLW, Dawid
Filing Date	:NA	4)KURKOWSKA, Małgorzata
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The object of the invention is a Mini-Ill RNase with amino acid sequence comprising an acceptor part and a transplantable a4 helix and a transplantable a5b-a6 loop which form structures of a4 helix and a5b-a6 loop respectively in the Mini-Ill RNase structure wherein the fragments which form structures of a4 helix and a5b-a6 loop respectively correspond structurally to respective structures of a4 helix and a5b-a6 loop formed by amino acid sequence fragments 46-52 and 85-98 respectively of Mini-Ill RNase from *Bacillus subtilis* shown in SEQ ID NO: 1 wherein the said Mini- Ill RNase exhibits sequence specificity in dsRNA cleavage being dependent only on a ribonucleotide sequence of the substrate and independent from an occurrence of secondary structures in the substrates structure and independent from a presence of other assisting proteins and wherein the Mini-Ill RNase is not the Mini-Ill protein from *Bacillus subtilis* of SEQ ID NO: 1 nor SEQ ID NO: 1 with D94R mutation. The invention also relates to a method of obtaining a chimeric Mini-Ill RNase a Mini-Ill RNase encoding construct a cell with a Mini-Ill RNase encoding gene use of Mini-Ill RNase for dsRNA cleavage as well as a method of dsRNA cleavage depending only on a ribonucleotide sequence.



No. of Pages : 58 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027852 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NETWORKING TECHNOLOGIES

(51) International classification	:H04L29/06H04L12/863H04L12/861
(31) Priority Document No	:14/983436
(32) Priority Date	:29/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/068954
Filing Date	:28/12/2016
(87) International Publication No	:WO 2017/117259
(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)AMAZON TECHNOLOGIES, INC.

Address of Applicant :P.O. Box 81226 Seattle, Washington 98108-1226 U.S.A.

(72)Name of Inventor :

1)SHALEV, Leah
2)BARRETT, Brian William
3)BSHARA, Nafea
4)MACHULSKY, Georgy

(57) Abstract :

Provided are systems and methods for connection establishment over a network that does not require a user application to establish an explicit connection with a target application. In some implementations provided is an apparatus configured to communicate with a network and a host device. The apparatus may receive a message and destination information associated with the message from the host device. The apparatus may further determine using the destination information a transport context from a plurality of transport contexts. The transport context may include a state of a connection with a destination on the network. The destination on the network may be associated with the destination information.



No. of Pages : 102 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2018

(21) Application No.201817027855 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : EXTRUSION DIE EXTRUDER AND PROCESS FOR FORMING AN EXTRUDED OF CO-EXTRUDED FOODSTUFF PARCELS; EXTRUDED OR CO-EXTRUDED FOODSTUFF PARCELS FORMED BY THE PROCESS

(51) International classification :A21C11/16B30B11/22A23P30/25
(31) Priority Document No :16159745.5
(32) Priority Date :10/03/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/055323
Filing Date :07/03/2017
(87) International Publication No :WO 2017/153407
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ESTEVE, Emilian

2)TOGNET BRUCHET, Remi

(57) Abstract :

The present invention concerns an extrusion die (2) for extruding a food product having a humidity level between 2.5 to 6.5% the extrusion die (2) being intended to be connected to the end of an extruder (1) said extrusion die presenting in transversal cross-section: a circular central opened portion (28); and a peripheral indented opened portion (29) comprising indentations (30) in which the indentations are in communication with the circular central portion (28). The invention also relates to an extruder (1) process and method utilising said extrusion die (2) and to an extruded or co-extruded individual food item produced using said extrusion die.



No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027875 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PAPER MONEY PROCESSING DEVICE

(51) International classification	:G07D9/00
(31) Priority Document No	:2016-131475
(32) Priority Date	:01/07/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/088442
Filing Date	:22/12/2016
(87) International Publication No	:WO 2018/003145
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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- 2)KAIJI Mizuki**
- 3)OOSAKI Tatsuaki**
- 4)ONOMOTO Ryuichi**
- 5)ADACHI Sumiaki**
- 6)ANDOU Hironori**

(57) Abstract :

A paper money processing device installed at the counter of a financial facility is provided with: a deposit money opening unit which is installed at the front of the device and into which paper money to be deposited is input; a feeding unit which is provided in the deposit money opening unit and which separates the input paper money into individual sheets; a temporary holding unit which stores paper money determined to be normal by a deposit money discrimination unit for discriminating the paper money separated by the send-out unit; a return opening in which paper money determined to be abnormal by the deposit money discrimination unit is accumulated; and a deposit money conveyance unit connecting the deposit money opening unit the temporary holding unit and the return opening. The paper money processing device is provided with a paper money collection unit provided at the rear of the device for taking out the paper money that is in the device and a collection movement unit which moves the paper money stored in the temporary holding unit to the paper money collection unit.



No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027876 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OCT IMAGING CATHETER WITH LAG CORRECTION

(51) International classification	:A61B5/00A61B8/00A61B8/12
(31) Priority Document No	:62/286918
(32) Priority Date	:25/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/014921
Filing Date	:25/01/2017
(87) International Publication No	:WO 2017/132247
(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)AVINGER, INC.

Address of Applicant :400 Chesapeake Drive Redwood City,
CA 94063 U.S.A.

(72)Name of Inventor :

1)CHRISTENSEN, Bjarne, B.

(57) Abstract :

A catheter system includes a catheter body an imaging sensor a drive motor a current sensor a display and a controller. The catheter body includes a drive shaft. The imaging sensor is fixed relative to the distal end of the driveshaft and is configured to rotate therewith. The drive motor is configured to rotate the drive shaft. The current sensor is configured to measure an amount of current drawn by the drive motor as the drive shaft is rotated. The display is configured to display one or more images obtained by the imaging sensor as the imaging sensor is rotated. The controller is configured to adjust a rotational orientation of the one or more images displayed by the display based upon the measured current.



No. of Pages : 16 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027877 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PRODUCING SACCHARIFIED LIQUID BY ENZYMIC METHOD USING CELLULOSE-TYPE BIOMASS AS RAW MATERIAL

(51) International classification	:C12P19/14C13K1/02
(31) Priority Document No	:2016-022058
(32) Priority Date	:08/02/2016
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2017/004085 :03/02/2017
(87) International Publication No	:WO 2017/138462
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)NISHINO, Takashi

2)IZUMI, Noriaki

3)TAJIRI, Hironori

4)KUSUDA, Hiromasa

5)TSUJITA, Shoji

6)MASAMOTO, Manabu

(57) Abstract :

The present invention addresses the problem of providing a method for producing a saccharified liquid in which a biomass is solubilized early while keeping the concentration of solid materials in a reaction vessel at a high level to produce a slurry in an early stage of the enzymatic hydrolysis of cellulose contained in the biomass to solubilize the cellulose. In the method for producing a saccharified liquid according to the present invention an aqueous solution containing a cellulose-degrading enzyme is injected into a reaction vessel and subsequently a milled biomass is supplied to the aqueous solution stepwise while stirring in an early stage of the mixing of the milled biomass with the aqueous solution in the reaction vessel. The final concentration of solid materials in the reaction vessel is adjusted to 15 to 30% by mass inclusive. The reaction vessel has a cone-like or head-plate-like bottom surface and multiple impellers each having a large turning radius are provided at at least an upper part and a lower part of the reaction vessel to stir the ingredients in the reaction vessel.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027886 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLAR CONTROL GLAZING COMPRISING A LAYER OF A NICUCR ALLOY

(51) International classification	:C03C17/36	(71) Name of Applicant :
(31) Priority Document No	:1651625	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:26/02/2016	Address of Applicant :18 avenue d'Alsace 92400
(33) Name of priority country	:France	COURBEVOIE France
(86) International Application No	:PCT/FR2017/050411	(72) Name of Inventor :
Filing Date	:24/02/2017	1)SINGH, Laura Jane
(87) International Publication No	:WO 2017/144828	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a glazing with a solar control property comprising at least one glass substrate on which a stack of layers is deposited said stack comprising at least one layer formed from an alloy comprising nickel copper and chromium an alloy in which the atomic percent of nickel is higher than 70% and lower than 94% the atomic percent of copper is higher than 5% and lower than 25% and in which the atomic percent of chromium is higher than 1% and lower than 15%.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027889 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR ROBUST PHASE-LOCKED LOOP DESIGN

(51) International classification	:H03K7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2016/075533
Filing Date	:03/03/2016
(87) International Publication No	:WO 2017/147886
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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2)YU, Hongchun

3)LIN, Weiran

4)LI, Shuguang

5)YIN, Guangming

(72)Name of Inventor :

1)YU, Hongchun

2)LIN, Weiran

3)LI, Shuguang

4)YIN, Guangming

(57) Abstract :

Systems methods and apparatus (100) are disclosed that can improve robustness of digital phase locked loop (PLL) circuits. A method performed by a clock generation device includes generating a plurality of phase-shifted signals each of the plurality of phase-shifted signals having a phase shift with respect to a base clock signal (202) that is unique within the plurality of phase-shifted signals selecting a first phase-shifted signal as an output signal (222) generating a first phase control word (312) indicative of a second phase-shifted signal when the second signal has a closer phase relationship with a reference signal (204) than the first signal refraining from selecting the second signal as the output signal (222) while either of the first signal and the second signal is in a first signaling state and selecting as the output signal (222) the second signal when the first signal and the second signal are in a second signaling state.



No. of Pages : 25 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027892 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PANEL-SHAPED MOLDED ARTICLE VEHICLE DOOR AND METHOD FOR MANUFACTURING PANEL-SHAPED MOLDED ARTICLE

(51) International classification :B21D22/26B21D22/20B60J5/00
(31) Priority Document No :2016-014849
(32) Priority Date :28/01/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/003040
Filing Date :27/01/2017
(87) International Publication No:WO 2017/131193
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)OTSUKA, Kenichiro
2)NAKAZAWA, Yoshiaki
3)KAWACHI, Takeshi
4)KASEDA, Yoshiyuki

(57) Abstract :

Provided is a panel-shaped molded article having excellent collision characteristics. This panel-shaped molded article (1) is equipped with a polygonal top plate section (2) multiple vertical wall sections (5) and a flange section (7). The vertical wall sections (5) extend from two or more sides of the outer edge of the top plate section (2). The flange section (7) is connected to the lower end of the vertical wall sections (5) and extends in the direction of extension of the top plate section (2). The edge section (3) of the top plate section (2) includes the sides of the outer edge of the top plate section (2) which are connected to the vertical wall sections (5). A concave section (4) is arranged on the inside of the edge section (3) and is recessed from the edge section (3). Each of the vertical wall sections (5) comprising at least one group of adjacent vertical wall sections includes a first vertical wall section (5A) a step section (6) and a second vertical wall section (5B). The step section (6) is connected to the lower end of the first vertical wall sections (5A) and extends in the direction of extension of the top plate section (2). The second vertical wall sections (5B) are connected to the outer edge of the step section (6) and extend in the direction of extension of the first vertical wall sections (5A). The flange section (7) is connected to the lower end of the second wall sections (5B).



No. of Pages : 62 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027893 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DISINFECTION CAP FOR IV NEEDLELESS CONNECTORS

(51) International classification:A61L2/00A61M39/00A61M39/16
(31) Priority Document No :62/279986
(32) Priority Date :18/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/013787
Filing Date :17/01/2017
(87) International Publication No :WO 2017/127364
(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)BECTON, DICKINSON AND COMPANY

Address of Applicant :1 Becton Drive Franklin Lakes, New Jersey 07417 U.S.A.

(72)**Name of Inventor :**

1)RYAN, Kevin M.

2)CHARLES, Nichola

(57) Abstract :

Disinfection cap (300) includes housing (302) comprising closed top (322) essentially cylindrical sidewall (304) and open bottom (324) formed by the sidewall with opening (326) to inner cavity (328) within the housing for receiving tip (12) including mating feature (13) of needleless connector (9). Disinfection sponge (380) can be configured within inner cavity removable cover (399) sealing opening to inner cavity to seal sponge within inner cavity prior to cap use. Inner cavity includes at least one thread (340) on inner surface (330) of its sidewall that does not correspond to the mating feature (13) of needleless connector but is sufficient to interlock with mating feature of needleless connector. Plurality of disinfection caps are disposed on strip (2220) of IV pole hanging device (2260) such that each cap can be peeled off the strip unsealed for immediate use or separated from the strip sealed for later use.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027909 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INGREDIENT SUPPLY SYSTEM FOR DISPENSING AN INGREDIENT INTO A CONTAINER

(51) International classification	:B65D51/28
(31) Priority Document No	:14/985494
(32) Priority Date	:31/12/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2016/051395
Filing Date	:28/12/2016
(87) International Publication No	:WO 2017/115369
(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)WATERIO LTD.

Address of Applicant :24 Aaron Boxer Street 74057 Ness Ziona Israel

(72)Name of Inventor :

1)BENTKOVSKI, Yakov

(57) Abstract :

Aspects of the invention are related to an ingredient supply system for a container for beverages. The system includes: a cap holding: an ingredient compartment a nozzle; a dispenser for dispensing the ingredient from the ingredient compartment via the nozzle to the container a first sensor for measuring an amount of liquid in the container and a controller. The controller is configured to: receive an initiation signal receive a measurement of the amount of the liquid in the beverage container receive an ingredient profile calculate a first amount of ingredient to be dispensed to the liquid in the container by the dispenser based on the measured amount and the ingredient profile and control the dispenser to add the first amount of ingredient to the liquid.



No. of Pages : 12 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027914 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE AND METHOD FOR MIXING IN PARTICULAR DISPERSING

(51) International classification :B01F7/00B01F15/02B02C17/16
(31) Priority Document No :16156047.9
(32) Priority Date :17/02/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/051965
Filing Date :31/01/2017
(87) International Publication No:WO 2017/140486
(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)BHLER AG

Address of Applicant :Gupfenstrasse 5 9240 Uzwil Switzerland

(72)Name of Inventor :

1)STURM, Achim Philipp

2)NATER, Eduard

(57) Abstract :

A device (1) for mixing in particular dispersing includes a housing (2) with at least one inlet (3) and a grinding chamber (13). In addition the grinding chamber (13) includes a first process region (4) for mixing fed materials wherein the materials are introducible into the first process region (4) through the at least one inlet (3) and a second process region (5) for diverting the mixture to an outlet (6) as well as a separating device (7) for separating the first process region from the second process region and a rotor (8) for mixing in particular dispersing the mixture in the first process region (4) wherein the rotor is drivable by a drive shaft (9). A pump (10) connected upstream is drivable by the drive shaft (9) and materials are feedable by means of the pump (10) into the first process region (4) and the first process region comprises a dispersion volume within the range of 11-501 in a preferred manner of 41-12 and particularly preferred is 61.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027928 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OIL PALM PHENOLICS COMPOSITION FOR THE PROTECTION OF HUMANS ORGANS CELLS AND TISSUES AGAINST THE INJURIOUS EFFECTS OF EXPOSURE TO IONIZING RADIATION

(51) International classification :A61K36/889A61K31/192A61K31/702
(31) Priority Document No :PI2015704862
(32) Priority Date :31/12/2015
(33) Name of priority country :Malaysia
(86) International Application No :PCT/MY2016/000088
Filing Date :30/12/2016
(87) International Publication No :WO 2017/116225
(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)MALAYSIAN PALM OIL BOARD

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(72)Name of Inventor :

1)RAVIGADEVI, Sambanthamurthi
2)TAN, Yew Ai
3)VERA, Vladimirovna Koledova
4)ROBERT, Paul Weinberg
5)CHO, Kyun Rha
6)ANTHONY, J., Sinskey

(57) Abstract :

A composition for preventing treating reversing protecting against or ameliorating the injuring effects of an ionizing radiation upon living cells tissues organs and organisms comprising oil palm phenolics (OPP) or vegetation liquor extract obtained from aqueous stream of a palm oil milling effluent is provided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027932 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE FOR TREATING ARTHRITIS AND OSTEOARTHRITIS IN EXTREMITIES AND CHRONIC INFLAMMATIONS AND FOR REDUCING MUSCULAR PAIN AND TENSION

(51) International classification :A41D19/00A61F5/00A61N1/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No:PCT/ES2016/070040
 Filing Date :25/01/2016
(87) International Publication No :WO 2017/032910
(61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
(62) Divisional to Application
 Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)DE LA TORRE BARREIRO, Jose Luis

(57) Abstract :

The invention relates to a device for treating arthritis and osteoarthritis in extremities which has the general form of a sheath in the form of a glove or sock comprising: an porous inner fabric layer (14); a second layer in the manner of a paraffin-filled bladder (1) that covers the entire inner space the inner paraffin layer (1) being surrounded by a Teflon splint (2) provided with means for straightening the fingers (nitonol wires or similar) followed by a very thin layer of latex or insulating material (4) and lastly an outer covering (6). Complementarily the device can comprise wires or resistors (5) around each finger or parallel to the palm or back of the hand. Additionally the device comprises a control unit (12) for activation and for controlling the temperature and currents to be applied.



No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027938 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHODS AND COMPOSITIONS FOR TREATING HUNTER SYNDROME

(51) International classification

:A61K38/43A61K9/00

(31) Priority Document No

:62/272843

(32) Priority Date

:30/12/2015

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/KR2016/015060

Filing Date

:21/12/2016

(87) International Publication No

:WO 2017/116066

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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3)BYUN, Han-Yeul

4)SEO, Jin-Wook

5)LEE, Byoung-Ju

6)KIM, Yong-Chul

7)JANG, In-Young

8)LEE, Kyuhyun

(57) Abstract :

The present invention provides among other things compositions and methods for CNS delivery of Idursulfase-beta a human recombinant iduronate-2-sulfatase protein for effective treatment of Hunter Syndrome. The compositions and methods provided by the present invention effectively reduce symptoms not only in brain and spinal cord but also in peripheral tissues including heart liver spleen lung and kidney.



No. of Pages : 22 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027942 A

(43) Publication Date : 30/11/2018

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

(51) International classification :G06F3/01H04L29/08G06F3/048
(31) Priority Document No :10-2015-0188274
(32) Priority Date :29/12/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/015515
Filing Date :29/12/2016
(87) International Publication No :WO 2017/116185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PARK, Eun-chan

2)JEONG, Ah-reum

(57) Abstract :

An Internet of things (IoT) environment-based user terminal apparatus is provided. The user terminal apparatus includes a transceiver configured to perform communication with a plurality of devices constituting an IoT environment a display device configured to display a user interface which includes a first object list including a first object indicating a first device in which a specific condition is set among the plurality of devices and a second object list including a second object indicating a second device configured to provide an alarm and a processor configured to control the first device and the second device so that the second device is set to provide the alarm in response to satisfaction of the specific condition set to the first device in response to the first object being selected from the first object list and the second object being selected from the second object list through the user interface.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027943 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ENHANCED TRANSDERMAL DELIVERY OF ACTIVE AGENTS

(51) International classification :A61F13/00A61K31/164A61K31/351
(31) Priority Document No :62/388310
(32) Priority Date :23/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/014621
Filing Date :23/01/2017
(87) International Publication No :WO 2017/127834
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)SAND, Bruce J.

(57) Abstract :

Improved formulations that combine chemical permeation enhancers with additional agents so that the formulations simultaneously penetrate both lipid and cellular matrices provide effective transdermal delivery of active agents.



No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027944 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLVENT COMPOSITION CLEANING METHOD METHOD FOR FORMING COATING FILM HEAT TRANSFERRING MEDIUM AND HEAT CYCLE SYSTEM

(51) International classification :C11D7/50B05D7/02C09D7/12
(31) Priority Document No :2016-005952
(32) Priority Date :15/01/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/001082
 Filing Date :13/01/2017
(87) International Publication No :WO 2017/122801
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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1)FUJIMORI ATSUSHI

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4)ICHINOKAWA Mari

5)OKAMOTO Hidekazu

6)FUJIMORI Atsushi

(57) Abstract :

This invention is a solvent composition comprising: a solvent including 1-chloro-233-trifluoro-1-propene; and at least one type of stabilizer selected from the group consisting of phenols ethers epoxides amines alcohols and hydrocarbons. This solvent composition has excellent dissolubility to various types of organic substances and excellent stability and has no negative effect on the global environment. This solvent composition can be used for a wide range of industrial purposes such as cleaning and coating purposes and heat transferring media.

No. of Pages : 49 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817024168 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LADDER ASSEMBLY

(51) International classification	:E06C9/02E06C1/34
(31) Priority Document No	:15/008754
(32) Priority Date	:28/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2017/050047
Filing Date	:16/01/2017
(87) International Publication No	:WO 2017/127917
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)BARENDRREGT, William Bernard

(57) Abstract :

An apparatus includes a ladder assembly configured to be used with a vertically-extending wall assembly of a building having a window assembly installed to the vertically-extending wall assembly. The ladder assembly includes a housing assembly configured to be fixedly received (at least in part) in the vertically-extending wall assembly, to be mounted to the vertically-extending wall assembly, and to extend (at least in part) into the vertically-extending wall assembly of the building. A support assembly is configured to be fixedly attached to the housing assembly, and to extend (at least in part) into the housing assembly in such a way that the support assembly bisects the housing assembly. The support assembly, in use, provides any one of a handhold and a foothold configured for usage by a user.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030674 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COUNTER TAPERED THERMOPLASTIC ELASTOMERS

(51) International classification :C08L9/06C08F297/04
(31) Priority Document No :62/286974
(32) Priority Date :26/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/000117
 Filing Date :26/01/2017
(87) International Publication No :WO 2017/130065
(61) Patent of Addition to Application Number :NA
 Filing Date :NA
(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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2)MEXICANO GARC • A, Jes°s, Alberto
3)TIERRABLANCA, Maldonado, Elisa
4)HERN • NDEZ ZAMORA, Gabriel
5)ESQUIVEL DE LA GARZA, Alejandro, Claudio

(57) Abstract :

A counter tapered thermoplastic elastomer composition comprising: (a) a counter tapered diblock A-[A/B] copolymer with a peak molecular weight from 20,000 to 250,000, which includes a monovinyl aromatic homopolymer block A with a peak molecular weight of at least 8,000 and a counter tapered copolymer block [A/B] with a vinyl content of at least 15 weight percent based on the amount of conjugated diene units in the diblock copolymer; and (b) a block copolymer selected from the group consisting of linear triblock copolymers having a peak molecular weight that is at least about 1.5 times the peak molecular weight of the counter tapered diblock A- [A/B] copolymer described in (a), multiarm coupled block copolymers having a peak molecular weight that is at least about 2.5 times the peak molecular weight of the counter tapered diblock A-[A/B] copolymer described in (a), and mixtures thereof; and (c) wherein the ratio of (a) to (b) in the counter tapered thermoplastic elastomer composition is from about 1 :5 to about 5:1.



No. of Pages : 59 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030699 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONCAVE CAN END

(51) International classification	:B65D17/00B21D22/22B21D22/30
(31) Priority Document No	:62/301128
(32) Priority Date	:29/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/020024
Filing Date	:28/02/2017
(87) International Publication No	:WO 2017/151667
(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)CROWN PACKAGING TECHNOLOGY, INC.

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(72)Name of Inventor :

1)RAMSEY, Christopher, Paul

2)MATTIN, Ben

3)CLARK, Tim

(57) Abstract :

A container can end (10) includes a dome shaped center panel (16) concave on a pull tab (30) mounting side and may forgo a peripheral reinforcing bead around the center panel. The tab (30) may also be curved. Tooling for forming the end and a corresponding method are provided.



No. of Pages : 26 No. of Claims : 90

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030700 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ALERTNESS PREDICTION SYSTEM AND METHOD

(51) International classification :A61B5/16A61B5/0205A61B5/11
(31) Priority Document No :62/296800
(32) Priority Date :18/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/018355
Filing Date :17/02/2017
(87) International Publication No :WO 2017/143179
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)KENYON, Matt

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3)JONES, Josh

(57) Abstract :

An alertness prediction bio-mathematical model for use in devices such as a wearable device that improves upon previous models of predicting fatigue and alertness by gathering data from the individual being monitored to create a more accurate estimation of alertness levels. The bio-mathematical model may be a two- process algorithm which incorporates a sleep-wake homeostasis aspect and a circadian rhythm aspect. The sleep-wake homeostasis aspect of the model is improved by using actigraphy measures in conjunction with distal skin, ambient light and heart rate measures to improve the accuracy of the sleep and wake estimations. The circadian rhythm model aspect improves fatigue prediction and estimation by using distal skin, heart rate and actigraphy data. The sleep-wake homeostasis and circadian rhythm aspects may also be combined with additional objective and subjective measures as well as information from a user to Improve the accuracy of the alertness estimation even further.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030274 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONSTRAINED BLOCK-LEVEL OPTIMIZATION AND SIGNALING FOR VIDEO CODING TOOLS

(51) International classification :H04N19/176H04N19/70H04N19/134
(31) Priority Document No :62/311877
(32) Priority Date :22/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/023577
Filing Date :22/03/2017
(87) International Publication No :WO 2017/165509
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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3)JOSHI, Rajan Laxman
4)SAID, Amir
5)LI, Xiang
6)KARCZEWCZ, Marta
7)CHEN, Jianle
8)CHIEN, Wei-Jung

(57) Abstract :

An example device for decoding encoded video data includes storage media and processing circuitry. The storage media are configured a portion of the encoded video data. The processing circuitry is configured to determine a block-level threshold for the portion of the encoded video data stored to the storage media to determine that an encoded block of the portion of the encoded video data has a size that is equal to or greater than the threshold to receive a syntax element indicating that a portion of the encoded block is to be reconstructed using a coding tool to determine based on the encoded block having the size that is equal to or greater than the threshold that the syntax element applies to all samples of a plurality of samples included in the encoded block and to reconstruct the encoded block based on the coding tool.

No. of Pages : 61 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030278 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INHIBITORS OF RECEPTOR-INTERACTING PROTEIN KINASE 1

(51) International classification :C07D403/12C07D413/14C07D413/12
(31) Priority Document No :62/292202
(32) Priority Date :05/02/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/016509
Filing Date :03/02/2017
(87) International Publication No :WO 2017/136727
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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3)**FOX, Brian**
4)**LESLIE, Colin Philip**
5)**LYSSIKATOS, Joseph P.**
6)**POZZAN, Alfonso**
7)**SWEENEY, Zachary K.**
8)**DE VICENTE FIDALGO, Javier**

(57) Abstract :

The present disclosure relates generally to N-azepinyl-carboxamide derivatives and compositions, and their use as inhibitors of receptor-interacting protein kinase 1 which is a key regulator of inflammation, apoptosis and necroptosis.

No. of Pages : 415 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030302 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AQUEOUS COATING COMPOSITION AND COATING FILM

(51) International classification :C09D183/10C08F230/08C09D5/02
(31) Priority Document No :2016-047007
(32) Priority Date :10/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/009595
Filing Date :09/03/2017
(87) International Publication No :WO 2017/155064
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)MOTOYAMA, Keiko

2)KAMIYAMA, Yasuyuki

(57) Abstract :

Provided are an aqueous coating composition and a coating film that are capable of achieving an even higher level of both contamination resistance and weathering resistance. The aqueous coating composition includes a polymer emulsion (a) and an aqueous polymer () namely: (a) a polymer emulsion which includes an organosiloxane polymer block (I) having a specific organosiloxane unit and a polymer block (II) of an ethylenically unsaturated monomer; and () an aqueous polymer which is a copolymer formed from 40 mol% to less than 100 mol% of one type of ethylenically unsaturated monomer having an amide group and/or an amino group and more than 0 mol% to 60 mol% of at least one type of other ethylenically unsaturated monomer a homopolymer formed from one type of ethylenically unsaturated monomer having an amide group and/or an amino group or a copolymer formed from at least two types of ethylenically unsaturated monomers having an amide group and/or an amino group. In addition the coating film includes a binder component and inorganic particles having an average particle size of 100 nm or smaller the area occupied by the inorganic particles in the coating film surface being no larger than 49.9% and the average domain size of the inorganic particles being at least 500 square nanometers.



No. of Pages : 91 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030303 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A LUMINAIRE ASSEMBLY

(51) International classification :F21V23/00F21V21/008F21V17/00
(31) Priority Document No :2016900684
(32) Priority Date :25/02/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/050150
Filing Date :21/02/2017
(87) International Publication No :WO 2017/143391
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)CRONK, Paul Andrew

(57) Abstract :

A luminaire (61) is disclosed with a close coupled ballast (62) having a support arm (66) from which is suspended or hung a reflector and preferably a variable focus reflector (41) having either a single ended lamp (3) or double ended lamp (23). The luminaire (61) is supported from a greenhouse rafter (9) by filaments (10 11) which are connected one to the ballast (62) and the other to the free end of the support arm (66). In one embodiment the arm (66) is connected to a rigid side plate (64) which is mounted on the ballast (62). In another embodiment the arm (66) is connected to a side plate (164) which is hinged. The arrangement enables flimsy reflectors (41) to be close coupled with electronic ballasts in a way which minimises Radio Frequency Interference (RFI).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030701 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLIDIFIED POROUS CARBON MATERIAL AND PRODUCTION METHOD THEREFOR

(51) International classification :C01B32/318B01J20/20B01J20/28
(31) Priority Document No :2016-031637
(32) Priority Date :23/02/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/006363
Filing Date :21/02/2017
(87) International Publication No :WO 2017/146044
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)YAMANOI Shun

2)TABATA Seiichiro

3)IIDA Hironori

(57) Abstract :

Provided is a solidified porous carbon material which uses plant-derive material as raw material; has a bulk density of 0.2 to 0.4g/cm³ and more preferably of 0.3 to 0.4g/cm³; has a value of cumulative pore volume in a range from 0.05 to 5μm pore size, based on mercury porosimetry, of 0.4 to 1.2cm³ and more preferably of 0.5 to 1.0cm³ per 1 gramme of solidified porous carbon material.



No. of Pages : 71 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030703 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR SUPPLYING HYDROGEN-CONTAINING REDUCING GAS TO SHAFT PART OF BLAST FURNACE

(51) International classification	:C21B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NIPPON STEEL & SUMITOMO METAL CORPORATION
(32) Priority Date	:NA	Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan
(33) Name of priority country	:NA	2)JFE STEEL CORPORATION
(86) International Application No Filing Date	:PCT/JP2016/053573 :05/02/2016	3)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)
(87) International Publication No	:WO 2017/134829	4)NISSHIN STEEL CO., LTD.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD.
(62) Divisional to Application Number Filing Date	:NA :NA	(72)Name of Inventor :
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		2)DONOMAE, Hitoshi
		3)SUZUKI, Kimihito
		4)NAKAO, Kenji
		5)ISOHARA, Toshio

(57) Abstract :

The present invention provides a novel method that is for supplying a reducing gas to the shaft part of a blast furnace and with which a large amount of the reducing gas containing hydrogen at a high concentration can be supplied to a deeper position in the blast furnace (a place closer to the center axis in the radial direction of the blast furnace) and with which it is possible to reduce the generated amount of CO₂ determined as the sum of the CO₂ amount that is reduced by conducting hydrogen smelting in the blast furnace and the CO₂ amount that is generated during production of the reducing gas supplied to the blast furnace. The method for supplying a reducing gas to the shaft part of a blast furnace according to the present invention is characterized by: modifying a coke oven gas by increasing the temperature thereof to 1200-1800°C in a reactor in which an oxygen-containing gas is supplied to the coke oven gas that has been preheated to generate a modified gas in which hydrogen gas is enriched; mixing the modified gas with a CO-containing gas in the reactor so that the hydrogen concentration of the reducing gas is adjusted to 15-35 vol% (wet); and supplying the resultant reducing gas to the shaft part of the blast furnace under a condition that the ratio of flow rate of reducing gas blown into shaft part / flow rate of reducing gas blown into tuyere > 0.42 is satisfied.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030704 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : H-SHAPED STEEL FOR LOW TEMPERATURES AND METHOD FOR MANUFACTURING SAME

(51) International classification :C22C38/00C21D8/00C22C38/14
(31) Priority Document No :2016-039957
(32) Priority Date :02/03/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/008275
Filing Date :02/03/2017
(87) International Publication No :WO 2017/150665
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan

(72)Name of Inventor :

1)ITO Hidetoshi

2)ICHIKAWA Kazutoshi

(57) Abstract :

This H-shaped steel for low temperatures has a prescribed chemical composition wherein a CEV value calculated using $CEV = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$ is no more than 0.40 the total area percentage of one or both of ferrite and bainite at a position of one-fourth of the plate thickness of a flange from the outside and a position of one-sixth of the flange width from the outside is at least 90% and the area percentage of the hard phase is no more than 10%. The effective crystal grain size is no more than 20.0 μm and the grain size of the hard phase is no more than 10.0 μm . Ti oxides having an equivalent circular diameter of 0.01 to 3.0 μm are present in the amount of 30/mm² or greater and the flange plate thickness is 12 to 50 mm.



No. of Pages : 39 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030705 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WINDER UNIT FOR VEHICLE GLAZING PANEL CUT OUT

(51) International classification :B26D1/547B25B13/46
(31) Priority Document No :1601500.0
(32) Priority Date :27/01/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/050555
 Filing Date :12/01/2017
(87) International Publication No :WO 2017/129411
(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)BELRON INTERNATIONAL LIMITED

Address of Applicant :Milton Park Stroude Road Egham Surrey, TW20 9EL U.K.

(72)Name of Inventor :

1)FINCK, William

(57) Abstract :

A winder unit (1) for winding cutting line (41) for vehicle glazing panel removal has a rota table spindle shaft (61) for winding the cutting line (41) and a ratchet device (90) mounted to the spindle shaft (61) by means of a one-way rotational bearing or clutch (75). Typically the ratchet device (90) has a component mounted to rotate in unison with the one-way rotational bearing or clutch. The improvement provides a rotational directional control providing 2 one-way rotational control devices in concert.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030311 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INSULATED DC/DC CONVERTER

(51) International classification	:H02M3/335
(31) Priority Document No	:1651214
(32) Priority Date	:15/02/2016
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2017/053285
Filing Date	:14/02/2017
(87) International Publication No	:WO 2017/140672
(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)VALEO SYSTEMES DE CONTROLE MOTEUR

Address of Applicant :14 Avenue des B@guines BP 68532
95892 Cergy Pontoise Cedex France

(72)Name of Inventor :

1)DE SOUSA, Luis

(57) Abstract :

The invention relates to an insulated DC/DC converter (1) comprising: - a magnetic component (100) having a primary part (110) and a secondary part (120) separated by an electrical insulation barrier; - breakers (QA1 QA2) linked to the primary part (110) of the magnetic component (100) allowing the magnetic component (100) to transfer energy from the primary part (110) to the secondary part (120) and to store energy at the level of the primary part (110); and in which the secondary part (120) of the magnetic component (100) comprises a first arm (B) and a second arm (C) each arm (B C) comprising a first breaker (QB1 QC1) a secondary (120B 120C) and a second breaker (QB2 QC2) in series; an intermediate point of the secondary (120B) of the first arm (B) being connected to an intermediate point of the secondary (120C) of the second arm (C).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030312 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MEMORY REDUCTION METHOD FOR FIXED POINT MATRIX MULTIPLY

(51) International classification	:G06F17/16G06N3/00	(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.
(31) Priority Document No	:15/074413	
(32) Priority Date	:18/03/2016	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2017/017924	(72) Name of Inventor :
Filing Date	:15/02/2017	1)BADING, Matthew Leslie
(87) International Publication No	:WO 2017/160448	2)WHITEHEAD, Nathan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments include computing devices apparatus and methods implemented by the apparatus for memory reduction for fixed point matrix multiply on a computing device. The computing device may implement a partial matrix multiplication using a first block of fixed point data of a first matrix and a second block of fixed point data of a second matrix using full precision resulting in a first intermediate result. The computing device may down convert the first intermediate result by converting fixed point data of the first intermediate result to fixed point data using lower precision resulting in a first down converted intermediate result.



No. of Pages : 29 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030319 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRANSPARENT WINDOW PANE WITH ELECTRICAL HEATING LAYER

(51) International classification	:H05B3/84
(31) Priority Document No	:16160226.3
(32) Priority Date	:14/03/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/055705
Filing Date	:10/03/2017
(87) International Publication No	:WO 2017/157795
(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)SAINT-GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue d'Alsace 92400 Courbevoie France

(72)Name of Inventor :

1)SCHULZ, Valentin

2)GILLESSEN, Stephan

3)NOSITSCHKA, Wolfgang Andreas

(57) Abstract :

A transparent window pane (1) comprises a main heating layer (6) and an additional heating layer (8) electrically isolated from each other, a first and a second electrode (11, 12) adapted to be electrically connected to a main power source and electrically connected directly to the main heating layer (6) such that after application of a supply voltage, a main heating current flows through the main heating layer (6) between the first and second electrodes (11, 12), and at least one conducting part (20) adapted to be electrically connected to the main power source or another power source. The conducting part (20) is interrupted by interruption zones (21), whereby the conducting part is formed of a plurality of conducting elements (22) physically separated from each other. Each conducting element (22) is electrically connected to the additional heating layer (8), such that after application of a supply voltage to the conducting part (20), an additional heating current flows through the heating layer (8) in each interruption zone (21).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030326 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ARTIFICIAL FOOD BOLUS FOR MASTICATORY FUNCTION TRAINING ARTIFICIAL BOLUS FOR MASTICATORY FUNCTION EVALUATION AND SYSTEM FOR MANAGING EVALUATION OF MASTICATORY FUNCTION USING SAME

(51) International classification	:A61B5/11A61C19/04
(31) Priority Document No	:2016-011462
(32) Priority Date	:25/01/2016
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2017/002307 :24/01/2017
(87) International Publication No	:WO 2017/130948
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)EXAMASTICA CO.

Address of Applicant :1-13-15, Eifuku, Suginami-ku, Tokyo
1680064 Japan

(72)**Name of Inventor :**

1)NAKAMURA Toru

2)HAYAFUNE Koji

3)AMAYA Shinji

4)HIGUCHI Akira

5)SATOU Nobuo

(57) Abstract :

[Problem] To provide a system for managing evaluation of masticatory function whereby fine particles finely crushed but not ground • can be rapidly counted and masticatory efficiency can be rapidly quantified using photographic data of a rolled artificial food bolus and masticatory efficiency quantified using such an artificial food bolus for masticatory function evaluation can be managed along a time series. [Solution] The present invention is configured so that when image data of a rolled artificial food bolus masticatory function evaluation are received the image data being transmitted from a user terminal the number of fine particles having a spherical shape from among the fine particles included in the image data is counted and masticatory efficiency is calculated on the basis of the number of fine particles having a spherical shape.



No. of Pages : 37 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2018

(21) Application No.201817024020 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ELECTRICAL CONTACT

(51) International classification	:H01R4/24
(31) Priority Document No	:15382667.2
(32) Priority Date	:28/12/2015
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2016/081716
Filing Date	:19/12/2016
(87) International Publication No	:WO 2017/114681
(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)SIMON, S.A.U.

Address of Applicant :Diputaci³n, 390-392 08013 Barcelona Spain

(72)Name of Inventor :

1)ACI%N FERN • NDEZ, Jonatan

(57) Abstract :

The electrical contact for electrical cables comprises a base (1) and at least one cutting and connection element (2), the or each cutting and connection element (2) defining an initial cutting edge (3) and a cutting and connection portion (4) and is characterized in that said initial cutting edge (3) is closer to the base (1) than said cutting and connection portion (4).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030377 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TLR7 AGONIST MALEATE SALT CRYSTALLINE FORMS C D AND E THEREOF PREPARATION METHODS AND USES OF MALEATE SALT AND CRYSTALLINE FORMS

(51) International classification :C07D487/04A61K31/519A61P31/12
(31) Priority Document No :201610082030.0
(32) Priority Date :05/02/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/072890
Filing Date :04/02/2017
(87) International Publication No :WO 2017/133683
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :No. 369 Yuzhou South Rd., Haizhou District Lianyungang, Jiangsu 222062 China

(72)Name of Inventor :

1)DING, Zhaozhong
2)SUN, Fei
3)HU, Yinghu
4)ZHOU, Yilong
5)WANG, Zheng
6)YANG, Ling

(57) Abstract :

The present invention relates to a maleate salt of a compound represented by formula I a method for preparing the salt a pharmaceutical composition containing the salt and the use of the salt. The present invention also relates to crystalline forms C D and E of the maleate salt of the compound represented by formula I methods for preparing the crystalline forms crystalline compositions and pharmaceutical compositions containing the crystalline forms and uses thereof.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030380 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TLR7 AGONIST CRYSTALLINE FORM A PREPARATION METHOD AND USE THEREOF

(51) International classification :C07D487/04A61K31/519A61P31/12
(31) Priority Document No :201610082029.8
(32) Priority Date :05/02/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/072891
Filing Date :04/02/2017
(87) International Publication No :WO 2017/133684
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DING, Zhaozhong
2)SUN, Fei
3)HU, Yinghu
4)ZHOU, Yilong
5)WANG, Zheng
6)ZHAO, Rui
7)YANG, Ling

(57) Abstract :

The present invention relates to crystalline form A of a TLR7 agonist 2-butoxy-7-(4-(pyrrolidin-1-ylmethyl)-benzyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine (formula I), a method for preparing the crystalline form A, and the use thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030410 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AEROSOL ANTIDANDRUFF COMPOSITION

(51) International classification :A61K8/46A61K8/49A61Q5/00
(31) Priority Document No :62/303049
(32) Priority Date :03/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/020604
 Filing Date :03/03/2017
(87) International Publication No :WO 2017/152020
(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)THE PROCTER & GAMBLE COMPANY
Address of Applicant :One Procter & Gamble Plaza
Cincinnati, Ohio 45202 U.S.A.

(72)Name of Inventor :

1)RENOCK, Sean, Michael
2)LANE, Brandon, Scott
3)JOHNSON, Eric, Scott

(57) Abstract :

The present invention is directed to a foaming composition comprising: from about 18% to about 36% of one or more anionic surfactants; from 0.01 to about 5% of one or more viscosity modifiers with a molecular weight of from about 38 to about 2800; from about 0.1 to about 10% of an anti-dandruff particulate; from about 1% to about 10% of a blowing agent and wherein the foam density is from about 0.05 to about 0.25g/ml.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030412 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR OBJECT ANALYSIS AND EXPLORATION ON SOCIAL NETWORKS

(51) International classification	:G06F7/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)LIN, Hui-Lung
(32) Priority Date	:NA	Address of Applicant :6F, No.57, Yusheng St., Shilin Dist.,
(33) Name of priority country	:NA	Taipei, 111 Taiwan
(86) International Application No	:PCT/US2016/013496	2)LIANG, Alvin
Filing Date	:15/01/2016	(72) Name of Inventor :
(87) International Publication No	:WO 2017/123235	1)LIN, Hui-Lung
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems software networks and methods for analyzing managing and exploring property of a plurality of objects encoding a type of association or relation between a user and an object on social networks are described herein. The subject matter of the technology disclosed herein improves a computing system to analyze manage activate match screen and explore objects on social networks. Analyses management (e.g. activation screening) and exploration turn objects into desired or supplied information. In some embodiments analyses management (e.g. activation screening) and exploration remove unnecessary or unwanted information contained within objects. For the purpose of explanation examples of contact/connection/friend/individual management and exploration system are given below. Other non-limiting examples include management and exploration systems of files documents images videos audios skills expertises contextual needs or a combination thereof.



No. of Pages : 31 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030415 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DISC BRAKE

(51) International classification	:F16D65/097
(31) Priority Document No	:2016-127834
(32) Priority Date	:28/06/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/010397
Filing Date	:15/03/2017
(87) International Publication No	:WO 2018/003197
(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)HITACHI AUTOMOTIVE SYSTEMS, LTD.

Address of Applicant :2520, Takaba, Hitachinaka-shi, Ibaraki
3128503 Japan

(72)Name of Inventor :

1)LIM Khai Piau

2)NAGASHIMA Shiro

3)SUZUKI Shinji

(57) Abstract :

In the present invention, a pad spring (41) includes: a guide part (40) that is attached so as to come into contact with the bottom surface (34) of a pad guide (30) and with an inner side surface, of the pad guide (30), at an outer side in a disc radial direction and that guides a friction pad (4) in a disc axial direction; and an extension part (51) that extends from the guide part (40) in a direction away from the friction pad (4) and that has, at an end side thereof, a projecting piece part (68) which comes into contact with a side surface (21A) of a torque receiving part (21) of an attachment member (3) so as to press the side surface (21A) of the torque receiving part (21). The extension part (51) is provided with a pressing operation unit (69) that, when a pressing operation is performed thereon, moves the projecting piece part (68) in a direction away from the side surface (21A) of the torque receiving part (21).



No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030416 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DISC BRAKE AND PISTON BOOT

(51) International classification :F16J3/04B29C45/14F16D65/18
(31) Priority Document No :2016-106416
(32) Priority Date :27/05/2016
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2017/019693
 Filing Date :26/05/2017
(87) International Publication No :WO 2017/204329
(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)HITACHI AUTOMOTIVE SYSTEMS, LTD.

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(72)**Name of Inventor :**

1)SUZUKI Shinji

2)NAGASHIMA Shiro

3)AOKI Syunsuke

(57) Abstract :

This piston boot (23) has an annular fitting section (61) which is formed at one end of a bellows (63), encloses an annular metallic member (67), and is fitted to the stepped section (41) of a cylinder (26). The fitting section (61) has: an outer peripheral surface (75) in contact with the inner peripheral surface (42) of the stepped section (41); and an annular flat surface (78) in contact with an annular wall surface (43) of the stepped section (41). A plurality of holes (101) having bottom surfaces at or near the position of the metallic member (67) are open to the flat surface (78).



No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030417 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CREATING INTUITIVE FAVORITES FOR USERS

(51) International classification	:G06F17/30	(71) Name of Applicant : 1)NAGRAVISION S.A. Address of Applicant :Route de Gen've 22 - 24 CH-1033 Cheseaux-sur-Lausanne Switzerland
(31) Priority Document No	:15/009651	
(32) Priority Date	:28/01/2016	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:15/009651	(72) Name of Inventor :
Filing Date	:28/01/2016	1)KALIAMOORTHI, Amudha
(87) International Publication No	:WO 2017/130063	2)LAKSHMI SHARAN LAL, Dharmveer
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Example embodiments provide systems and methods for dynamically creating intuitive favorites for a user. The system and methods include monitoring actions performed by the user at a digital receiver with respect to a plurality of content programs. The actions performed with respect to the plurality of content programs are analyzed. The analysis includes comparing a level of the actions with respect to a first content program of the plurality of content programs with a threshold. Based on the comparing indicating that the first content program is a favorites an indication that the first content program is a favorites content program is stored to a data store.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030419 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PRODUCING 3-HYDROXYPROPANAMIDE EMPLOYING ACETOBACTER LOVANIENSIS

(51) International classification :C12P13/02C12R1/02C12N1/20
(31) Priority Document No :1601558.8
(32) Priority Date :28/01/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/050232
 Filing Date :30/01/2017
(87) International Publication No :WO 2017/130007
(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)VERDANT BIOPRODUCTS LIMITED

Address of Applicant :The Pinnacle 170 Midsummer Boulevard Milton Keynes MK9 1FE U.K.

(72)Name of Inventor :

1)FINNEGAN, Irene

(57) Abstract :

There is described a method for producing polymeric 3-hydroxypropionamide (3HP amide), the method comprising: culturing an Acetobacter lovaniensisbacterium in a growth medium containing phosphate and ammonium, wherein culturing of the bacterium produces polymeric 3HP amide. The polymeric 3HP amide may then be hydrolysed to 3HP amide or converted to other compounds of interest



No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030420 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RIPPLE-PHASE-CONTAINING COMPOSITION A-GEL FORMATION COMPOSITION EXTERNAL SKIN CARE COMPOSITION USING A-GEL FORMATION COMPOSITION AND A-GEL COMPOSITION USING A-GEL FORMATION COMPOSITION

(51) International classification :A61K8/39A61K8/02A61K8/06
(31) Priority Document No :2016-013168
(32) Priority Date :27/01/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/003070
 Filing Date :27/01/2017
(87) International Publication No :WO 2017/131217
(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)SHISEIDO COMPANY, LTD.

Address of Applicant :5-5, Ginza 7-chome, Chuo-ku, Tokyo 1040061 Japan

(72)Name of Inventor :

1)MIYAHARA, Reiji
2)OKA, Takashi
3)UYAMA, Makoto
4)TANABE, Saori
5)YONEZAWA, Tetsuro
6)YAJIMA, Miho
7)OHIRA, Noriko
8)NISHIKAWA, Saori

(57) Abstract :

The present invention addresses the problem of providing a ripple-phase-containing composition, an α -gel formation composition, and an α -gel composition that uses the α -gel formation composition, wherein said compositions are highly stable, do not deposit crystals, become more viscous, etc. over time, and, when used in a preparation for external use, are refreshing during application and have high skin-moisturizing action after application. A gel composition that includes a polyoxyethylene dialkyl ester and/or a polyoxyethylene dialkyl ether, a polyoxyethylene alkyl ester and/or a polyoxyethylene alkyl ether, and, preferably, a polyoxyethylene sterol ether and water.



No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/08/2018

(21) Application No.201817030421 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INPUT DEVICE WITH FORCE SENSOR

(51) International classification :G06F3/041G06K9/00H03K17/975
(31) Priority Document No :15/087306
(32) Priority Date :31/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/024325
Filing Date :27/03/2017
(87) International Publication No :WO 2017/172623
(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)APPLE INC.

Address of Applicant :One Infinite Loop Cupertino, California 95014 U.S.A.

(72)Name of Inventor :

1)KIM, SORA

2)GRUNTHANER, MARTIN P.

3)JIN, RUI

4)WITTENBERG, MICHAEL B.

5)GOZZINI, GIOVANNI

6)LARSSON, Henric

7)GOZZINI, Giovanni

8)BROWNING, LUCY

9)MYERS, SCOTT A.

(57) Abstract :

An input device can be integrated within an electronic device and/or operably connected to an electronic device through a wired or wireless connection. The input device can include one or more force sensors positioned below a cover element of the input device or an input surface of the electronic device. The input device can include other components and/or functionality such as a biometric sensor and/or a switch element.



No. of Pages : 23 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030439 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LUGGAGE HANDLE HAVING FOLDABLE EXTENSION TO ACT AS GARMENT HANGER

(51) International classification	:A45C13/26A45C13/28
(31) Priority Document No	:1601553.9
(32) Priority Date	:27/01/2016
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2017/050171
Filing Date	:24/01/2017
(87) International Publication No	:WO 2017/129961
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Wheathampstead Hertfordshire AL4 8AD U.K.

(72)Name of Inventor :

1)BEGG, Iain

(57) Abstract :

A handle for use with luggage wherein the handle comprises an elongate body (21) and at least two extendable arms (20) that move from a closed first position wherein the arms (20) substantially encompass the body (21) to an open second position wherein the arms (20) extend away from the body (21) by means of a pivot (12) which secures the body (21) to the arms (20) thereby providing a device for hanging clothes wherein the body (21) has a substantially isosceles trapezoid face wherein the narrower dimension is positioned toward a bottom of the handle and the wider dimension to the top of the handle thereby providing ends of the body angled from around 10 to around 20 degrees from the vertical, and wherein the angled ends of the body (21) comprise the pivot (12) such that when the arms (20) are in the second open position, the arms (20) are angled downwards.



No. of Pages : 13 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030449 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FEMORAL ELEVATOR DEVICE

(51) International classification	:A61G13/12
(31) Priority Document No	:15/043752
(32) Priority Date	:15/02/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/017447
Filing Date	:10/02/2017
(87) International Publication No	:WO 2017/142809
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)TERMANINI, Zafer

(57) Abstract :

A proximal femoral bone elevating device used during a total hip replacement surgical procedure for primarily lifting the proximal femoral bone outside the surgical wound to allow the surgeon for adequately ream and prepare the lifted bone for insertion of trials and implant into the medullary cavity of the proximal femur. The device comprises a main gearbox (1) a vertical shaft (3) and a bone hook attachment (6) which is placed under the trochanteric region of the proximal femur. The main gearbox is firmly attached over the sterile drapes to the side rails of conventional operating tables. Turning the crank handle (2) will raise the vertical shaft (3) and the bone hook (6) thereby lifting the proximal femur outside the surgical wound.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030454 A

(43) Publication Date : 30/11/2018

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

(51) International classification :H04W88/02H04W48/08H04W4/00
(31) Priority Document No :10-2016-0012361
(32) Priority Date :01/02/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/014152
Filing Date :05/12/2016
(87) International Publication No :WO 2017/135557
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)SHIM, Woo-chul

(57) Abstract :

An electronic device according to the present invention comprises: a communication unit which can communicate with an external device; and a control unit for performing control to connect with a user terminal which transmits a first communication signal when the first communication signal having a first signal strength is received through the communication unit receive information of connection with a communication relay device from the connected user terminal and connect with the communication relay device which transmits a second communication signal having a second signal strength weaker than the first signal strength through the communication unit on the basis of the received information of connection. Accordingly the present invention enables an Internet of things device to safely access a wireless AP by using a user terminal.



No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030456 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRANSPARENT SUBSTRATE WITH NON-TRANSPARENT FILM

(51) International classification	:C03C17/23
(31) Priority Document No	:2016-009191
(32) Priority Date	:20/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/085231
Filing Date	:28/11/2016
(87) International Publication No	:WO 2017/126230
(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)AGC INC.

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(72)Name of Inventor :

1)MORI, Kazutomo

2)IKEDA, Toru

3)TAKEDA, Yosuke

4)KUWAHARA, Yuichi

(57) Abstract :

This transparent substrate with a non-transparent film that includes a transparent substrate and a non-transparent film formed on the transparent substrate. The non-transparent film has: first projections which have diameters (true circle conversion) of over 10 µm in a cross section at a bearing height of +0.05 µm of a surface shape that is obtained by measuring a region of (101 µm to 111 µm)—(135 µm to 148 µm) with a laser microscope; and second projections which have diameters (true circle conversion) of 1 µm to 10 µm in a cross section at a bearing height of +0.5 µm of the surface shape. A maximum height of the first projections relative to the height of the lowest parts in the region is 8.0 to 30.0 µm the number of the second projections is 0.001 to 0.05 per 1 µm² and an average height of the second projections relative to the bearing height is 1.50 to 5.00 µm.



No. of Pages : 72 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030466 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INHIBITION OF ALLERGIC REACTION USING AN IL-33 INHIBITOR

(51) International classification :A61K39/395A61P37/08C07K16/24
(31) Priority Document No :62/278671
(32) Priority Date :14/01/2016
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/US2017/013818
Filing Date :17/01/2017
(87) International Publication No :WO 2017/124110
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)LONDEI, Marco

(57) Abstract :

A method of inhibiting or preventing an allergic reaction particularly to a food antigen in a mammal comprising administering to the mammal an IL-33 inhibitor.

No. of Pages : 28 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030497 A

(43) Publication Date : 30/11/2018

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

(51) International classification :H04L25/03H04B3/04H04L25/02
(31) Priority Document No :2016-031222
(32) Priority Date :22/02/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/001545
Filing Date :18/01/2017
(87) International Publication No :WO 2017/145585
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**

1)HAYASHI, Hiroaki

2)SUZUKI, Hideyuki

3)SHIMADA, Takahiro

4)SUGANO, Masatsugu

(57) Abstract :

This transmission device is provided with: a driver unit that transmits a data signal using a predetermined number (three or more) of voltage states and is configured to be able to set voltages in the respective voltage states; and a control unit that causes the driver unit to perform emphasis by setting an emphasis voltage corresponding to a transition between the predetermined number of voltage states.



No. of Pages : 62 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030500 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE AND METHOD

(51) International classification	:H04L27/26H04J99/00
(31) Priority Document No	:2016-031394
(32) Priority Date	:22/02/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/085292
Filing Date	:29/11/2016
(87) International Publication No	:WO 2017/145477
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :1-7-1, Konan, Minato-ku, Tokyo
1080075 Japan

(72)Name of Inventor :

1)YOSHIZAWA, Atsushi

(57) Abstract :

[Problem] To provide a mechanism capable of improving frequency use efficiency even though part of a carrier frequency band is not used in GFDM. [Solution] A device provided with a processing unit that variably sets the bandwidth of a subcarrier and/or the time length of a subsymbol the subcarrier or the subsymbol being included in a unit resource comprising one or more subcarriers or one or more subsymbols and defines as a subcarrier to be used at least part of a frequency band which corresponds to an unused subcarrier in a first resource in a second resource comprising the unit resource having a narrower subcarrier bandwidth than the first resource.



No. of Pages : 56 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030501 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR MATURING AT LEAST ONE ALCOHOLIC LIQUID WITH RECOVERY OF VOLATILE COMPOUNDS AND CORRESPONDING PLANT

(51) International classification :C12F3/00C12H1/22C12G3/00
(31) Priority Document No :16 51513
(32) Priority Date :24/02/2016
(33) Name of priority country :France
(86) International Application No :PCT/EP2017/054242
 Filing Date :23/02/2017
(87) International Publication No :WO 2017/144618
(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)MAROY, Renaud
Address of Applicant :8 impasse Mathieu 75015 PARIS
France
2)MAROY, Olivier
(72)**Name of Inventor :**
1)MAROY, Olivier

(57) Abstract :

Process for maturing at least one alcoholic liquid (5) comprising the following steps: - use of an airtight or semi-airtight chamber (15) located in a wine cellar and containing at least one container (24) that contains the alcoholic liquid the container being at least partly made of wood or containing wood and an internal atmosphere (17) comprising oxygen - maturation of the alcoholic liquid in the container the maturation releasing volatile compounds into the internal atmosphere - extraction of a portion of the internal atmosphere from the chamber in order to obtain a gas mixture (32) to be treated - separation of the gas mixture to be treated into at least one residual gas mixture (34) depleted in said volatile compounds and at least one recovered liquid (36) containing at least one portion of the volatile compounds - evacuation of at least one portion of the residual gas mixture to outside of the chamber and - admission of air into the chamber by forced convection the recovered liquid being intended to form an alcoholic beverage or an ingredient of a composition in particular an alcoholic beverage or a perfume.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030504 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SOLVENT-FREE FORMULATIONS OF LOW-MELTING ACTIVE SUBSTANCES

(51) International classification :A01N25/04A01N25/14A01N43/42
(31) Priority Document No :16157517.0
(32) Priority Date :26/02/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/053987
Filing Date :22/02/2017
(87) International Publication No :WO 2017/144497

(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)BAYER CROPSCIENCE AKTIENGESELLSCHAFT
Address of Applicant :Alfred-Nobel-Str. 50 40789 Monheim am Rhein Germany

(72)Name of Inventor :

1)KRAUSE, Jens
2)R-CHLING, Andreas
3)KRGER, Joachim
4)KRAUSE, Hans-Peter
5)RATSCHINSKI, Arno

(57) Abstract :

The present invention relates to solvent-free aqueous suspension concentrates and solvent-free solid water-dispersible formulations containing one or more low-melting active substances and to processes for their preparation. The formulations according to the invention are suitable for use in the field of plant protection.

No. of Pages : 59 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030516 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : RADIO COMMUNICATION METHOD AND DEVICE

(51) International classification	:H04W76/02	(71) Name of Applicant : 1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. Address of Applicant :No.18, Haibin Road, Wusha, Chang'an Dongguan, Guangdong 523860 China
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/CN2016/077721	
Filing Date	:29/03/2016	
(87) International Publication No	:WO 2017/166072	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a radio communication method and device. The radio communication method comprises: in a first time interval first network equipment receives a first request message transmitted by terminal equipment and requesting the first network equipment to establish or recover a radio bearer for the terminal equipment; the first network equipment acquires according to the first request message context information of the terminal equipment wherein the context information of the terminal equipment is stored in management equipment and transmitted from a second network equipment to the management equipment and the second network equipment is the last network equipment generating or updating before the first interval the context information of the terminal equipment; and the first network equipment establishes or recovers according to the context information of the terminal equipment the radio bearer for the terminal equipment. The embodiment can reduce required transmission resources and signaling overhead reducing costs of constructing a network.

No. of Pages : 65 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030517 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BREAK-AWAY FILTER HOUSING APPARATUS

(51) International classification :B01D35/30B01D46/00B01D29/13
(31) Priority Document No :62/286762
(32) Priority Date :25/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/014998
Filing Date :25/01/2017
(87) International Publication No :WO 2017/132293
(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)SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION

Address of Applicant :31500 Solon Road Solon, OH 44139 U.S.A.

(72)Name of Inventor :

1)ADRIAN, Kenneth, D.
2)LIN, ZhenWu

(57) Abstract :

A breakaway disposable filter capsule comprising: a two-piece shell that defines a filter chamber; wherein the shell comprises a top shell half and a bottom shell half secured together with a frangible strip; a filter disc secured in the filter chamber; an annular ridge formed inside the shell to register against a perimeter of the filter disc to secure the filter discs orientation in the chamber; an inlet port extending from the top shell half; and an outlet port extending from the bottom shell half, wherein the outlet port is in fluid communication with the filter chamber.



No. of Pages : 54 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030521 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LOW CRYSTALLINE POLYMER COMPOSITIONS PREPARED IN A DUAL REACTOR

(51) International classification :C08L23/08C08L23/14B32B27/32
(31) Priority Document No :62/315929
(32) Priority Date :31/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/018285
Filing Date :17/02/2017
(87) International Publication No :WO 2017/172102
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)VAN HOYWEGHEN, Danny
2)MITCHELL, Cynthia, A.
3)VAN LOON, Achiel, J.m.
4)DHARMARAJAN, Narayanaswami
5)DATTA, Sudhin

(57) Abstract :

Provided herein is a polymer comprising from 65 wt% to 90 wt% based on the total weight of the blend of an ethylene α-olefin elastomer having either no crystallinity or crystallinity derived from ethylene, having greater than 75 wt% units derived from ethylene; and from 10 wt% to 35 wt% based on the total weight of the blend of a propylene polymer having 40 wt% or more units derived from propylene, including isotactically arranged propylene derived sequences; wherein the ethylene α-olefin elastomer and the propylene polymer are prepared in separate reactors arranged in parallel configuration.

No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030545 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND SYSTEM TO SUPPORT VOLTE (VOICE OVER LTE) CALL CONTINUITY

(51) International classification	:H04W36/00
(31) Priority Document No	:1603509.9
(32) Priority Date	:29/02/2016
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/JP2017/006064
Filing Date	:20/02/2017
(87) International Publication No	:WO 2017/150234
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)SHARMA, Vivek

(57) Abstract :

A communication system is disclosed in which a communication device establishes and engages in Voice over LTE (VoLTE) communication via a communication connection with a base station. The communication device obtains information indicating at least one criterion for determining whether VoLTE communication via the communication connection with the base station can be sustained. The communication device performs signal measurements for signals received from the base station and determines whether VoLTE communication via the communication connection with the base station can be sustained based on whether or not the signal measurements meet the at least one criterion.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030546 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR PREPARING PYRROLO[32-D]PYRIMIDINE COMPOUND AND INTERMEDIATES THEREOF

(51) International classification	:C07D487/04
(31) Priority Document No	:201610082028.3
(32) Priority Date	:05/02/2016
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/072893
Filing Date	:04/02/2017
(87) International Publication No	:WO 2017/133686
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)DING, Zhaozhong

2)SUN, Fei

3)HU, Yinghu

4)ZHOU, Yilong

5)ZHAO, Rui

6)YANG, Ling

(57) Abstract :

The present invention relates to a method for preparing a pyrrolo[32-d]pyrimidine compound (the compound represented by formula I) and corresponding intermediates.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030560 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OIL TEMPER WIRE

(51) International classification	:C23C26/00C23C8/14
(31) Priority Document No	:2016-057418
(32) Priority Date	:22/03/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/002225
Filing Date	:24/01/2017
(87) International Publication No	:WO 2017/163578
(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)SUMITOMO (SEI) STEEL WIRE CORP.

Address of Applicant :1-1, Koyakita 1-chome, Itami-shi,
Hyogo 6640016 Japan

(72)Name of Inventor :

1)UWANO Takafumi

2)MATSUMOTO Sadamu

3)SHIWAKU Takayuki

(57) Abstract :

An oil temper wire comprising a steel wire and a lubricating coating coated onto the outer circumference of the steel wire, wherein the lubricating coating contains a lubricating component resin and a binder resin, the lubricating component resin being at least one resin selected from polyacetal, polyimide, melamine resin, acrylic resin and fluororesin, the adhesion amount of the lubricating coating being 1.0 g/m² to 4.0 g/m², and the surface roughness Rz of the steel wire being 8.0 μm or less.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030562 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND ELECTRONIC DEVICE FOR PROVIDING WIRELESS COMMUNICATION

(51) International classification :H04W52/28H04W52/50H04W88/06
(31) Priority Document No :10-2016-0032804
(32) Priority Date :18/03/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/002856
Filing Date :16/03/2017
(87) International Publication No :WO 2017/160103
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)LEE, Seokwoo

2)PARK, Soonsang

(57) Abstract :

An electronic device includes a housing; at least one communication circuit positioned inside the housing wherein the at least one communication circuit is configured to provide a first wireless communication based on a first protocol and/or a second wireless communication based on a second protocol a sensor configured to detect a distance between a portion of the electronic device and an external object a control circuit configured to cause the communication circuit to provide the first wireless communication at a first power level when the distance is within a first range and at a second power level when the distance is outside the first range and cause the communication circuit to provide the second wireless communication at a third power level when the distance is within a second range and at a fourth power level when the distance is outside the second range wherein the second range is different from the first range.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030570 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DATABASE-ARCHIVING METHOD AND APPARATUS THAT GENERATE INDEX INFORMATION AND METHOD AND APPARATUS FOR SEARCHING ARCHIVED DATABASE COMPRISING INDEX INFORMATION

(51) International classification	:G06F17/30
(31) Priority Document No	:10-2016-0023403
(32) Priority Date	:26/02/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/011465
Filing Date	:13/10/2016
(87) International Publication No	:WO 2017/146338
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)KIM, Oxoo

(57) Abstract :

Provided is a database-archiving method that generates index information. A database-archiving method that generates index information according to one embodiment of the present invention comprises the steps of: selecting on the basis of field value data one or more record groups comprising a plurality of records from a source table to be data archived; for each of the one or more record groups storing in a compression table compressed group data generated by compressing each record group and a stored key value uniquely assigned to each compressed group data; storing in a group index table the field value and stored key value corresponding to each of the one or more record groups; and deleting from the source table the plurality of records included in the one or more record groups selected.



No. of Pages : 35 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030571 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ARCHIVING DATABASE AND METHOD AND APPARATUS FOR SEARCHING ARCHIVED DATABASE

(51) International classification	:G06F17/30
(31) Priority Document No	:10-2016-0023401
(32) Priority Date	:26/02/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2016/011463
Filing Date	:13/10/2016
(87) International Publication No	:WO 2017/146337
(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)ARMIQ CO., LTD.

Address of Applicant :2F, 6, Samseong-ro 103-gil Gangnam-gu Seoul 06155 Republic of Korea

(72)Name of Inventor :

1)KIM, Oxoo

(57) Abstract :

Provided is a method for archiving a database. A method for archiving a database according to one embodiment of the present invention comprises the steps of: selecting one or more record groups comprising a plurality of records from a source table to be data archived on the basis of selection information for at least one from among time and field value; for each of the one or more record groups selected storing in a compression table compressed group data generated by compressing each record group and the selection information corresponding to the compressed group data; and deleting from the source table the plurality of records included in the one or more record groups selected.



No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030572 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CRACK-RESISTANT COUNTERFEIT-PROOF LABEL

(51) International classification :H04B5/00B65D55/06G06K19/073
(31) Priority Document No :1652004
(32) Priority Date :10/03/2016
(33) Name of priority country :France
(86) International Application No :PCT/FR2017/050493
Filing Date :06/03/2017
(87) International Publication No :WO 2017/153668
(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)WISEKEY SEMICONDUCTORS

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(72)Name of Inventor :

1)BOIRON, Ghislain

2)GUIDET, Tania

3)GASSEND, Nicolas

(57) Abstract :

The invention relates to a counterfeit-proof near-field magnetic coupling label comprising a sacrificial conductor path (14) that extends through a sacrificial region (10-2, 10-3) of the label. Each segment of the sacrificial path extending through the sacrificial region is longitudinally subdivided into a plurality of sub-segments (20) which are in electric contact with each other at the ends of the segment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030573 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BIO-ANALYTICAL METHOD FOR INSULIN ANALOGUES

(51) International classification	:G01N33/00
(31) Priority Document No	:201641002615
(32) Priority Date	:23/01/2016
(33) Name of priority country	:India
(86) International Application No	:PCT/IB2017/050303
Filing Date	:20/01/2017
(87) International Publication No	:WO 2017/125885
(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)BIOCON LIMITED

Address of Applicant :20th KM, Hosur Road, Electronic City
P.O. Karnataka Bangalore 560 100 Karnataka India

(72)Name of Inventor :

1)BUDDHA, Madhavan

2)PATALE, Mukesh, B.

3)KHEDKAR, Anand

4)TAGORE, Ranitendranath

5)MCDONALD, Sebastian, Alastair

(57) Abstract :

The present invention provides for a specific and sensitive bio-analytical method for detection of insulin or insulin analogues in plasma serum or any other biological fluid wherein the insulin or insulin analogues are labelled with a stable isotopic nitrogen for detection by the use of solid phase extraction and liquid chromatography with tandem mass spectrometric detection.



No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817030581 A

(19) INDIA

(22) Date of filing of Application :14/08/2018

(43) Publication Date : 30/11/2018

(54) Title of the invention : NON-ANTAGONISTIC ANTIBODIES DIRECTED AGAINST THE ALPHA CHAIN OF THE IL7 RECEPTOR EXTRACELLULAR DOMAIN AND USE THEREOF IN CANCER TREATMENT

(51) International classification	:C07K16/28	(71) Name of Applicant :
(31) Priority Document No	:62/301271	1)OSE IMMUNOTHERAPEUTICS
(32) Priority Date	:29/02/2016	Address of Applicant :22, boulevard Benoni Goullin 44200
(33) Name of priority country	:U.S.A.	Nantes France
(86) International Application No	:PCT/IB2017/000293	(72) Name of Inventor :
Filing Date	:28/02/2017	1)POIRIER, Nicolas
(87) International Publication No	:WO 2017/149394	2)MARY, Caroline
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The description concerns humanized antibodies directed against the extracellular domain of the alpha chain of the receptor for interleukin-7 (IL-7), especially against the receptor for human IL-7 expressed on human cells (also designated human IL-7Ralpha or IL-7Ra or CD127) and which do not interfere with the IL-7 or TSLP signaling pathways. The antibodies described do not have an antagonistic effect on the IL-7 receptor, but may still present cytotoxic activity against CD127 positive cells. In a particular embodiment, the antibody does not have an agonist effect on the IL-7 receptor.



No. of Pages : 50 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030582 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A-GEL FORMATION COMPOSITION AND A-GEL COMPOSITION

(51) International classification :A61K8/34A61K8/02A61K8/36
(31) Priority Document No :2016-013181
(32) Priority Date :27/01/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/000243
 Filing Date :06/01/2017
(87) International Publication No :WO 2017/130655
(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)SHISEIDO COMPANY, LTD.

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(72)Name of Inventor :

**1)MIYAHARA, Reiji
2)OKA, Takashi
3)UYAMA, Makoto
4)TANABE, Saori
5)YONEZAWA, Tetsuro**

(57) Abstract :

The present invention addresses the problem of providing an α -gel formation composition and an α -gel composition that uses said α -gel formation composition that are highly stable and that do not become colored, deposit crystals, etc. over time. An α -gel composition that includes (A) 25-50 mass% of one or more higher aliphatic alcohol and/or higher fatty acid that has 16 or more carbons, (B) 40-70 mass% of a specific polyoxyethylene sterol ether, and (C) 5-20 mass% of a specific polyoxyethylene dialkyl ester and/or ether. The α -gel composition is generated by adding water.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030583 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PARTIALLY REDUNDANT ELECTRONIC CONTROL SYSTEM

(51) International classification	:F02C9/00
(31) Priority Document No	:1650756
(32) Priority Date	:29/01/2016
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2017/050191
Filing Date	:27/01/2017
(87) International Publication No	:WO 2017/129917
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Toulouse France

(72)Name of Inventor :

1)PRIAT, JOr'me

2)GUILLAUMIN, Vincent

(57) Abstract :

The invention relates to an assymetrical electronic control system (100) for a gas turbine (50), which is designed to control a set of functions associated with logic input data (60) or data from sensors and associated with output data (70), in particular for an actuator, said system (100) comprising: a primary electronic control unit (120) configured to process the entire set of functions; a secondary electronic control unit (140), partially redundant with the primary unit (120), configured to process only a strict subset of sufficient functions to operate or start the gas turbine in an acceptable degraded mode when the primary unit (120) is faulty; a redundant or main chain selection and switching module (160) for selecting one or other of the primary and secondary units (120, 140) in order to control the gas turbine (50) according to the operating state of the primary unit (120).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030584 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A POLYURETHANE FOAM

(51) International classification :C08G18/48C08G18/50C08G18/76
(31) Priority Document No :16157615.2
(32) Priority Date :26/02/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/054302
Filing Date :24/02/2017
(87) International Publication No :WO 2017/144651

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

(71)Name of Applicant :

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(72)Name of Inventor :

1)**KANG, Joo-Hee**

2)**HARDINGHAUS, Ferdinand**

3)**B-RNER, Karsten**

4)**FABRE, Jean**

(57) Abstract :

The present invention relates to processes for the preparation of polyurethane foams comprising a step wherein a chemical compound with a low particle size releases a chemical and/or physical blowing agent by decomposition polyurethane foams prepared by such processes as well as compositions comprising at least one polyol and a chemical compound with a low particle size capable of releasing a chemical and/or physical blowing agent by thermally- and/or chemically-induced degradation and uses of such compositions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030590 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BEVERAGE PREPARATION MACHINE WITH TWO-LIQUID CIRCUITS AND ELECTRONIC DEVICE FOR CONTROLLING THE SAME

(51) International classification :A47J31/44A47J31/52A47J31/46
(31) Priority Document No :16164184.0
(32) Priority Date :07/04/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/057279
Filing Date :28/03/2017
(87) International Publication No:WO 2017/174399
(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)NESTEC SA

Address of Applicant :Ave Nestl© 55 1800 Vevey Switzerland

(72)Name of Inventor :

1)MAGATTI, Marco

2)RITHENER, Blaise

(57) Abstract :

The present invention relates to a beverage preparation machine (10) for preparing a liquid beverage from a cartridge the machine comprising a first liquid supply circuit (13) configured for selectively providing liquid of predefined temperature and/or volume from a liquid reservoir (22) of the machine (10) to a cartridge inserted into the machine a second liquid supply circuit (14) configured for selectively providing liquid of predefined temperature and/or volume from the liquid reservoir (22) of the machine to a liquid delivery outlet (11b) of the machine a control unit (15) for controlling the first and second liquid supply circuit (1314) and a network unit (16) comprising a network interface for communication with an external electronic device (1) over a network wherein the control unit (15) is configured to individually control the selective provision of liquid from the first and the second liquid supply circuit (1314) in response to information obtained via the network unit (16).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/01/2018

(21) Application No.201814003436 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ELECTROMAGNETIC-WAVE-ABSORBING FILTER

(51) International classification	:F01K27/00	(71) Name of Applicant :
(31) Priority Document No	:2017-102108	1)KAGAWA, Seiji Address of Applicant :202, High-Home Koshigaya, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama 343-0807, Japan
(32) Priority Date	:23/05/2017	Japan
(33) Name of priority country	:Japan	2)KAGAWA, Atsuko
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Seiji, KAGAWA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An electromagnetic-wave-absorbing filter comprising an electromagnetic-wave-absorbing layer, an insulating layer3 and an electromagnetic-wave-shielding layer in this order from inside; the electromagnetic-wave-absorbing layer being constituted by a laminate of at least two electromagnetic-wave-absorbing films; each electromagnetic-wave-absorbing film comprising a plastic film and a thin metal film formed on a surface of the plastic film, the thin metal film being provided with large numbers of linear scratches in plural directions; the acute crossing angle Os of linear scratches in each electromagnetic-wave-absorbing film being 30-90°; the linear scratches in two electromagnetic-wave-absorbing films being crossing; two electromagnetic-wave-absorbing films having different lengths; and a ratio of the length L2 of a shorter electromagnetic-wave-absorbing film to the length Li of a longer electromagnetic-wave-absorbing film being 30-70%.



No. of Pages : 68 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201818024113 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVEMENTS FOR COORDINATED MULTIPONT TRANSMISSION

(51) International classification	:H04B7/06
(31) Priority Document No	:PCT/EP2009/060568
(32) Priority Date	:14/08/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/EP2009/060568
Filing Date	:14/08/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2033/DELNP/2012
Filed on	:06/03/2012

(71) **Name of Applicant :**

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FINLAND, Finland

(72) **Name of Inventor :**

1)ZIRWAS, WOLFGANG
2)CHMIEL, MIESZKO
3)KIISKI, MATTI TAPANI
4)SCHULZ, EGON

(57) Abstract :

A method is described, which comprises controlling a coordinated transmission between network control elements and terminals on resource elements, detecting whether a resource element comprises a specific element, and selecting a resource element for the coordinated transmission, when it is detected that the resource element does not comprise a specific element. The application also describes some further aspects to improve a coordinated transmission such as a coordinated multipoint transmission is improved.



No. of Pages : 85 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201818024141 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REGENERATIVE RECOVERY OF SULFUR DIOXIDE FROM EFFLUENT GASES

(51) International classification	:B01D53/50
(31) Priority Document No	:61/408,420
(32) Priority Date	:29/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/058314
Filing Date	:28/10/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3655/DELNP/2013
Filed on	:28/10/2011

(71)Name of Applicant :

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Address of Applicant :14522 South Outer Forty Drive,
Chesterfiled, Missouri 63017, USA U.S.A.

(72)Name of Inventor :

1)VERA-CASTANEDA, Ernesto

(57) Abstract :

This invention relates to processes for the selective removal of contaminants from effluent gases. More particularly, some embodiments of the present invention relate to selective removal and recovery of sulfur dioxide from effluent gases in a sulfur dioxide absorption/desorption process that utilizes a buffered aqueous absorption solution comprising certain weak inorganic or organic acids or salts thereof, preferably certain polyprotic carboxylic acids or salts thereof, to selectively absorb sulfur dioxide from the effluent gas. Oxidation inhibitors may be used. The absorbed sulfur dioxide is subsequently stripped to regenerate the absorption solution and produce a gas enriched in sulfur dioxide content. The regeneration of the absorption solution may include an integrated sulfur dioxide stripper and heat pump system to provide improved energy efficiency. Other embodiments of the present invention relate to a process for simultaneous removal of sulfur dioxide and nitrogen oxides (NOx) from effluent gases and recovery of sulfur dioxide. The process utilizes a buffered aqueous absorption solution further including a metal chelate to absorb sulfur dioxide and (NOx) from the gas and subsequently reducing the absorbed (NOx) to form nitrogen. Still further, the present invention provides a process to control sulfate salt contaminant concentration in the absorption solution by partial crystallization and removal of the sulfate salt crystals.



No. of Pages : 56 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201818024142 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : REGENERATIVE RECOVERY OF SULFUR DIOXIDE FROM EFFLUENT GASES

(51) International classification	:B01D53/50
(31) Priority Document No	:61/408,420
(32) Priority Date	:29/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/058314
Filing Date	:28/10/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3655/DELNP/2013
Filed on	:28/10/2011

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(72)Name of Inventor :

1)VERA-CASTANEDA, Ernesto

(57) Abstract :

This invention relates to processes for the selective removal of contaminants from effluent gases. More particularly, some embodiments of the present invention relate to selective removal and recovery of sulfur dioxide from effluent gases in a sulfur dioxide absorption/desorption process that utilizes a buffered aqueous absorption solution comprising certain weak inorganic or organic acids or salts thereof, preferably certain polyprotic carboxylic acids or salts thereof, to selectively absorb sulfur dioxide from the effluent gas. Oxidation inhibitors may be used. The absorbed sulfur dioxide is subsequently stripped to regenerate the absorption solution and produce a gas enriched in sulfur dioxide content. The regeneration of the absorption solution may include an integrated sulfur dioxide stripper and heat pump system to provide improved energy efficiency. Other embodiments of the present invention relate to a process for simultaneous removal of sulfur dioxide and nitrogen oxides (NOx) from effluent gases and recovery of sulfur dioxide. The process utilizes a buffered aqueous absorption solution further including a metal chelate to absorb sulfur dioxide and (NOx) from the gas and subsequently reducing the absorbed (NOx) to form nitrogen. Still further, the present invention provides a process to control sulfate salt contaminant concentration in the absorption solution by partial crystallization and removal of the sulfate salt crystals.



No. of Pages : 58 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024395 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INFORMATION PROCESSING APPARATUS, COMMUNICATION SYSTEM, INFORMATION PROCESSING METHOD, AND PROGRAM

(51) International classification	:H04W74/08H04W84/12
(31) Priority Document No	:2016-002164
(32) Priority Date	:08/01/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/082380
Filing Date	:01/11/2016
(87) International Publication No	:WO 2017/119179
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :1-7-1 Konan, Minato-ku, Tokyo
1080075 Japan

(72)Name of Inventor :

1)MORIOKA, Yuichi

(57) Abstract :

The purpose of the present invention is to utilize a wireless resource efficiently. An information processing apparatus is provided with a control unit. This control unit, in the case where a frame for setting a transmission restraint period has been received, controls the transmission restraint period for each of a plurality of transmission power levels on the basis of the frame. In addition, the control unit performs control under which reception power of a first frame for requesting data transmission and transmission power of a second frame to be transmitted in response to the first frame are recorded in the second frame and transmitted.



No. of Pages : 79 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024397 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : IMPROVED BATTERY SEPARATORS FOR E-RICKSHAW AND SIMILAR VEHICLE LEAD ACID BATTERIES

(51) International classification	:H01M8/0239H01M8/0252H01M8/0245
(31) Priority Document No	:PCT/US2016/012826
(32) Priority Date	:11/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/012972 :11/01/2017
(87) International Publication No	:WO 2017/123605
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

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Suite 350 Charlotte, North Carolina 28277 U.S.A.

(72)Name of Inventor :

1)MITTAL, Surendra Kumar

2)SHANMUGAM, Naveen Prabhu

(57) Abstract :

Disclosed herein are novel or improved separators, battery separators, lead battery separators, batteries, cells, and/or methods of manufacture and/or use of such separators, battery separators, lead battery separators, cells, and/or batteries. In accordance with at least certain embodiments, the present disclosure or invention is directed to novel or improved battery separators for lead acid batteries. In addition, disclosed herein are methods, systems and battery separators for enhancing battery life, reducing active material shedding, reducing grid and spine corrosion, reducing failure rate reducing acid stratification and/or improving uniformity in at least lead acid batteries, in particular batteries for electric rickshaws. In accordance with at least particular embodiments, the present disclosure or invention is directed to an improved separator for lead acid batteries wherein the separator includes improved membrane profiles, improved coatings, improved configurations, and/or the like.



No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2017

(21) Application No.201714043966 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS FOR SYNTHESIZING SPATIALLY SEPARATED IMAGES

(51) International classification	:G02B27/58
(31) Priority Document No	:10-2017-0063282
(32) Priority Date	:23/05/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)Hae-Yong Choi

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(72)Name of Inventor :

1)Hae-Yong Choi

(57) Abstract :

ABSTRACT APPARATUS FOR SYNTHESIZING SPATIALLY SEPARATED IMAGES Provided is an apparatus for spatially separated images in which one image is separated into a short-range image and a long-range image on two or one image display, and the short-range image is disposed on the front side, the long-range image is disposed at a long distance, and a translucent mirror is provided on the front surface of the short-range image, and the short-range image and the long-range image are synthesized while spaced apart from each other by a space distance to generate an effect of viewing a realistic image by a glassless 3D effect having perspective by a distance separation effect and obtain a spatially realistic image in both vertical left and front directions, both front and rear directions, both left and right directions, or one left or right direction, and more particularly, an apparatus for spatially separated images capable of viewing a 4 to 10 times higher-definition spatial 3D image in both directions without polarizing glasses.



No. of Pages : 54 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/12/2017

(21) Application No.201714044364 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THREE-DIMENSIONAL PRINTING METHOD

(51) International classification	:B33Y30/00	(71) Name of Applicant :
(31) Priority Document No	:106117525	1)XYZprinting, Inc.
(32) Priority Date	:26/05/2017	Address of Applicant :No. 147, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City, 22201, Taiwan (R.O.C.) Taiwan
(33) Name of priority country	:Taiwan	2)Kinpo Electronics, Inc.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)HUANG, Yu-Ting
(87) International Publication No	: NA	2)HSIEH, Shih-Sen
(61) Patent of Addition to Application Number	:NA	3)LIEN, Ting-Hsiang
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A three-dimensional printing method for a three-dimensional printer is provided. The three-dimensional printer includes a model printing head, a color printing head, and a platform. The model printing head prints a forming layer on an X-Y plane of the platform. The model printing head and the color printing head are arranged along an X-axis and co-constructed. The three-dimensional printing method includes: providing information of the forming layer and a coloring zone thereof; driving the model printing head by a processor to print the forming layer and at least one material barrier outside the forming layer; and after printing the forming layer and the material barrier, driving the color printing head by the processor to color the coloring zone along a Y-axis, such that the material barrier is located on a moving path of the model printing head during the coloring.



No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/12/2017

(21) Application No.201714044365 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : THREE-DIMENSIONAL PRINTING METHOD

(51) International classification	:B33Y30/00	(71) Name of Applicant :
(31) Priority Document No	:106117539	1)XYZprinting, Inc.
(32) Priority Date	:26/05/2017	Address of Applicant :No. 147, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City, 22201, Taiwan (R.O.C.) Taiwan
(33) Name of priority country	:Taiwan	2)Kinpo Electronics, Inc.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)HSIEH, Shih-Sen
(87) International Publication No	: NA	2)LIEN, Ting-Hsiang
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A three-dimensional printing method for a three-dimensional printer is provided. The three-dimensional printer includes a model printing head and a color printing head arranged along an X-axis and co-constructed, wherein the model printing head prints a forming layer on an X-Y plane of a platform of the three-dimensional printer, and the color printing head colors a coloring zone of the forming layer along a Y-axis. The three-dimensional printing method includes: providing information of the coloring zone of the forming layer; determining the number of colorings of the color printing head according to the information of the coloring zone by a processor; and driving the model printing head by the processor to print the forming material outside a region of the forming layer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2018

(21) Application No.201817030591 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CLOSED CAPSULE WITH OPENING MEANS AND INTEGRAL BARRIER LAYER

(51) International classification :B65D85/804B29C45/16B32B27/36
(31) Priority Document No :16164275.6
(32) Priority Date :07/04/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/057546
Filing Date :30/03/2017
(87) International Publication No :WO 2017/174434
(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)NESTEC S.A

Address of Applicant :Av. nestl© 55 1800 Vevey Switzerland

(72)Name of Inventor :

1)NORDQVIST, David

2)HEYDEL, Christophe S©bastien Paul

(57) Abstract :

The invention relates to a capsule (10) designed for food or beverage preparation the capsule (10) comprising a cup-shaped base body (1) a top wall (2) and a bottom retaining wall (3) for holding food or beverage preparation ingredients wherein the base body (1) is made of one single injection-molded piece and wherein a side wall (4) of the base body comprises at least one co-injected multilayer section (5) having two outer layers (5a) being made from a different polymeric material than a core layer (5b) and wherein the base body (1) further comprises a bottom structure (6) which is integrally molded with the side wall (4) and comprising opening means (7) allowing the capsule to be opened at the time of its use.



No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030668 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FILTER MEDIUM FOR LIQUID FILTER AND LIQUID FILTER

(51) International classification	:B01D39/16D04H1/541
(31) Priority Document No	:2016-051021
(32) Priority Date	:15/03/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/006055
Filing Date	:20/02/2017
(87) International Publication No	:WO 2017/159216
(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)TEIJIN FRONTIER CO., LTD.

Address of Applicant :2-4, Nakanoshima 3-chome, Kita-ku,
Osaka-shi, Osaka 5300005 Japan

(72)Name of Inventor :

1)SAKITA Kazuyoshi

2)KAMIYAMA Mie

(57) Abstract :

The present invention addresses the problem of providing a filter medium for a liquid filter which has a low basis weight and yet has a high strength an excellent collecting performance and a long lifetime and a liquid filter. To solve this problem provided are: a filter medium for a liquid filter said filter medium comprising a main fiber having a fiber size of 4.0 μm or less and an aspect ratio of 100-2500 and a binder fiber having a fiber size of 3.0 μm or less and an aspect ratio of 100-2500 wherein the weight ratio of the binder fiber to the filter medium weight is 10-50 wt% and the basis weight is in the range of 5-80 g/m²; and a liquid filter.



No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2018

(21) Application No.201817030669 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PLANT PROMOTER AND 3'UTR FOR TRANSGENE EXPRESSION

(51) International classification :A01H1/00A01H5/00C12N15/09
(31) Priority Document No :62/306990
(32) Priority Date :11/03/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/021295
Filing Date :08/03/2017
(87) International Publication No:WO 2017/156080
(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)DOW AGROSCIENCES LLC

Address of Applicant :9330 Zionsville Road Indianapolis, IN 46268 U.S.A.

(72)**Name of Inventor :**

**1)GUPTA, Manju
2)KUMAR, Sandeep
3)GORMAN, Shavell
4)WORDEN, Andrew F.**

(57) Abstract :

This disclosure concerns compositions and methods for promoting transcription of a nucleotide sequence in a plant or plant cell, employing a Zea mays GRMZM2G138258 promoter. Some embodiments relate to a Zea mays GRMZM2G138258 promoter that functions in plants to promote transcription of operably linked nucleotide sequences. Other embodiments relate to a Zea mays GRMZM2G138258 3UTR that functions in plants to terminate transcription of operably linked nucleotide sequences.



No. of Pages : 75 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2018

(21) Application No.201814003870 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AIR CLEANER OF MOTORCYCLE

(51) International classification	:F16H59/02	(71) Name of Applicant : 1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka 432-8611, Japan Japan
(31) Priority Document No	:2017-105481	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Japan	(72) Name of Inventor : 1)MATSUMOTO Akio
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

TO provide an air cleaner of a motorcycle that, can firmly press a filter element against a lower case, keeps smooth flow of clean air passing through the filter element toward a funnel without hindrance, and improves engine output by reducing intake resistance of an engine. An air cleaner of a motorcycle including: a housing, a lid that closes the housing and partitions internal space together with the housing; a fastener that fixes the lid to the housing; a filter that is accommodated in the internal space and divides the internal space into a dirty side and a clean side; at least one funnel that is protruded to the clean side and causes air passing through the filter to flow out from the clean side. The filter includes a filter element that filters air flowing into the dirty side to flow out to the clean side, and a frame supporting the filter element on the housing. The lid includes a clamping seat that is recessed inside the housing and provided with a hole through which the fastener is inserted, and a pressing portion that is disposed in the clean side and protrudes from the lid to press the frame against the housing. The pressing portion is closer to an inner wall surface of the housing than the funnel in an air-flow path from the filter element to the funnel and is integrated with the clamping seat.



No. of Pages : 31 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2018

(21) Application No.201814014469 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COAGULATION AND DISSECTION INSTRUMENT WITH PIN ELECTRODES

(51) International classification	:F01K27/00	(71) Name of Applicant :
(31) Priority Document No	:17172876.9	1)Erbe Elektromedizin GmbH
(32) Priority Date	:24/05/2017	Address of Applicant :Waldhoernlestrasse 17, 72072 Tuebingen, Germany Germany
(33) Name of priority country	:EUROPEAN UNION	(72) Name of Inventor :
(86) International Application No	:NA	1)NOLD, Bernhard Tobias
Filing Date	:NA	2)WEILER, Rolf
(87) International Publication No	: NA	3)SELIG, Peter
(61) Patent of Addition to Application Number	:NA	4)FISCHER, Klaus
Filing Date	:NA	5)BLOBEL, Lars
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The instrument (10) according to the invention comprises a shank arrangement (13) with two shanks (22, 23) that have, on their side facing the counter-electrode arrangement (14), rounded and/or also flat electrode surfaces (22a, 23a). The counter-electrode arrangement (14) comprises at least one counter-electrode surface (25a) that is also configured so as to be rounded and/or flat. One of the electrode surfaces (22a, 23a) has a band edge (28) that is preferably bordered by an insulator (27), on one side, said band edge being adjacent to the adjacent electrode surface (22a) of the shank arrangement (13). The counter-electrode surface (25a), likewise, has a band edge (31) adjacent to the insulator (30), said band edge facing the band edge (28). The band edges (28, 31) of the electrode surfaces (23a, 25a) acting as the coagulation surfaces are close enough to each other (0.1 mm to 0.75 mm) that they form cutting edges that, in the ideal case, develop a cut-ting effect with low voltages that are otherwise suitable only for coagulation. Considering this concept, it is possible to provide fusion instruments that are extremely delicate, display lower thermal inertia and an excellent fusion and cutting effect. (Figure 3)



No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2018

(21) Application No.201814012362 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR MONITORING PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W4/12	(71) Name of Applicant :
(31) Priority Document No	:62/511,093	1)ASUSTeK COMPUTER INC.
(32) Priority Date	:25/05/2017	Address of Applicant :No. 15, Lite Rd., Peitou Dist., Taipei
(33) Name of priority country	:U.S.A.	City 112, Taiwan (R.O.C.) Taiwan
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Chen, I-Jen
(87) International Publication No	: NA	2)Kuo, Richard Lee-Chee
(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 apparatus are disclosed from the perspective of a UE. In one embodiment, the method includes receiving a signalling from a network node to trigger a non-contention based random access procedure, wherein the signalling includes a first information indicating a first numerology and a second information indicating a second numerology. The method also includes transmitting a random access preamble based on the second numerology to the network node. The method further includes receiving a random access response from the network node. In addition, the method includes monitoring a control channel for scheduling a new transmission based on the first numerology.

No. of Pages : 72 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/04/2018

(21) Application No.201814013216 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SPRING APPLIED, HYDRAULICALLY RELEASED BRAKE WITH MANUAL OVERRIDE

(51) International classification	:F16D65/02	(71) Name of Applicant :
(31) Priority Document No	:15/603,763	1)Ausco Products, Inc.
(32) Priority Date	:24/05/2017	Address of Applicant :2245 Pipestone Road, Benton Harbor, Michigan 49022-8787, USA U.S.A.
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:NA	1)BALDEOSINGH Howard H.
Filing Date	:NA	2)DENNIS Brian P.
(87) International Publication No	: NA	3)DODD Kenneth A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A brake (10,100) includes a piston (14,112) housing one or more springs (16, 114) therein. The one or more springs (16,114) are adapted to urge an extension (30, 140) of the piston (14, 112) into contact with a disc stack (22, 122) in a default position of the brake (10, 100). Piston body (18, 112) may be latitudinally offset from disc stack (22, 122) by a distance (39, 141). The brake (1 0,1 00) includes a manual release feature (70/72, 176).

No. of Pages : 41 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2018

(21) Application No.201817016016 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR DYNAMICALLY DISPLAYING PICTURES ELECTRONIC DEVICE AND STORAGE MEDIUM

(51) International classification	:G06F17/30
(31) Priority Document No	:201610349904.4
(32) Priority Date	:24/05/2016
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/085514
Filing Date	:23/05/2017
(87) International Publication No	:WO 2017/202294
(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)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED

Address of Applicant :35/F Tencent Building Kejizhongyi Road Midwest District of Hi Tech Park Nanshan District Shenzhen Guangdong 518057 China

(72)Name of Inventor :

1)CAI Shuxiong
2)XIE Zihong

(57) Abstract :

The present disclosure relates to a method for dynamically displaying pictures. In the method, two or more pictures are acquired; a display sequence of the acquired picture is determined; a corresponding local locus of each acquired picture in a complete locus is determined according to the display sequence; a continuous locus is drawn in a following manner: drawing corresponding local loci in turn according to the display sequence, and drawing corresponding transitional loci in the complete locus as transitions between local loci which are adjacent according to the display sequence; and corresponding pictures are displayed in respective display regions corresponding to the drawn local loci.



No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2018

(21) Application No.201814011724 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : STRUCTURALLY-REINFORCED PLASTIC COMPOSITE PRODUCTS PRODUCED WITH RECYCLED WASTE GLASS FIBERS AND RECYCLED POLYMER COMPOUNDS AND PROCESS FOR MAKING THE SAME

(51) International classification	:F16D65/02	(71) Name of Applicant : 1)Nice Glass, LLC Address of Applicant :7711 Bonhomme, Suite 560, Clayton, MO 63105, USA U.S.A.
(31) Priority Document No	:62/510,804	
(32) Priority Date	:25/05/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)COLL, Brian Francis
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A recycled fiberglass reinforced polymer composite article and a method of the same are disclosed in the present disclosure. The reinforced composite article is composed of a recycled fiberglass collected from waste streams and functioning as a filler, the recycled fiberglass being 30-70% of a total weight of the reinforced composite article; a colorant of 1-2 % of the total weight of the reinforced composite article; and a recycled resin substantially wetting-out the recycled glass fiber by the black colorant and a chemical binder.



No. of Pages : 53 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2018

(21) Application No.201817027608 A

(43) Publication Date : 30/11/2018

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

(51) International classification :A61K31/4709A61K31/47A61P25/16
(31) Priority Document No :62/387383
(32) Priority Date :24/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/068459
Filing Date :22/12/2016
(87) International Publication No :WO 2017/112917
(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)CORVUS PHARMACEUTICALS, INC.

Address of Applicant :863 Mitten Road, Suite 102
Burlingame, CA 94010 U.S.A.

(72)Name of Inventor :

1)WILLINGHAM, Stephen
2)MILLER, Richard, A.
3)HO, Po, Y.
4)MCCAFFERY, Ian
5)HOTSON, Andrew

(57) Abstract :

Provided herein are inter alia methods of treating cancer by administering to a subject a therapeutically effective amount of an adenosine-A2A(A2A) receptor antagonist or a combination of an adenosine-A2A(A2A)receptor antagonist and a programmed cell death protein 1(PD-1) signaling pathway inhibitor. Further provided are pharmaceutical compositions including an A2Areceptor antagonist a PD-1 signaling pathway inhibitor and a pharmaceutically acceptable excipient. Further provided are methods of detecting cellular effectsfor example expression of pCREB before after or during adenosine receptor antagonist treatment.



No. of Pages : 204 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2017

(21) Application No.201714036200 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PREPARATION PROCESS OF BLACK TEA FROM YERBA MATE AND RESPECTIVE RESULTING PRODUCT

(51) International classification	:A23F3/32	(71) Name of Applicant : 1)MONTAGNER, Juliana Address of Applicant :912, apartment 201, Conselheiro Jos© Bozzetto, Il³polis, Rio Grande do Sul 95990-000, Brazil Brazil
(31) Priority Document No	:BR 1020170108449	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	(72) Name of Inventor : 1)MONTAGNER, Juliana
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This summary for invention describes the stages for the preparation process of black tea, and the respective resulting process, where in the initial stage of the proposed process for production of black tea, the young yerba mate leaves (sprout) are left to wither for a certain time. Then, the withered leaves are rolled, and they go through the fermentation process. After the fermentation, the drying and segregation processes are performed.

No. of Pages : 7 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2017

(21) Application No.201714036201 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PREPARATION PROCESS OF GREEN TEA FROM YERBA MATE AND RESPECTIVE RESULTING PRODUCT

(51) International classification	:A23F3/32	(71) Name of Applicant : 1)MONTAGNER, Juliana Address of Applicant :912, apartment 201, Conselheiro Jos© Bozzetto, Il³polis, Rio Grande do Sul 95990-000, Brazil Brazil
(31) Priority Document No	:BR 1020170108473	
(32) Priority Date	:24/05/2017	
(33) Name of priority country	:Brazil	
(86) International Application No	:NA	(72) Name of Inventor : 1)MONTAGNER, Juliana
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This summary for invention describes the stages for preparation process of green tea and respective resulting product, in which in the initial stage of the proposed process the young yerba mate leaves (sprouts) are subjected to steam between 90°C and 100°C for a certain time; removal of humidity from the steaming stage. After going through steaming and torsion, the leaves are cooled, rolled (first rolling), and go through first drying, second rolling, second drying and segregation.

No. of Pages : 7 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201714018795 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM, METHOD AND APPARATUS FOR MANAGEMENT OF AGRICULTURAL RESOURCE

(51) International classification	:G06G7/00
(31) Priority Document No	:10201704222V
(32) Priority Date	:24/05/2017
(33) Name of priority country	:Singapore
(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)REMOTE GRID PTE. LTD.

Address of Applicant :14 Robinson Road, #08-01A, Far East Finance Building, Singapore 048545 Singapore

(72)Name of Inventor :

1)SEN, Indranil

2)DASGUPTA, Debapriya

3)JOSEPH, Avish

4)BHATTACHARYA, Anupam

5)KANKANHALLI, Mohan

6)BROWN, Stuart

(57) Abstract :

A system for managing an agricultural resource comprising an input module arranged to receive inputs from a plurality of input sources; a central processor arranged in data communication with the input module to generate at least one long term forecast; the central processor further configured to receive inputs from selected input sources at a predetermined time to adjust a parameter of the at least one long term forecast to derive a short term forecast; and an output module arranged in data communication with the central processor to receive the long term forecast and/or the short term forecast for decision control; the output module arranged in data communication with at least one output device, is disclosed. Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2018

(21) Application No.201814009444 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OXO-BIODEGRADABLE TRANSPARENT BIO WRAP FILM COMPOSITE

(51) International classification	:B65B25/023	(71) Name of Applicant : 1)BIO POLYMER CO. LTD Address of Applicant :#305 Business Incubator, The Catholic University of Korea, Gilbong Ro 43, Wonmi-Gu, Bucheon City, GyeongGi Do, Republic of Korea 14662 Republic of Korea
(31) Priority Document No	:10-2017-0065919	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Republic of Korea	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)KIM, Young Tae 2)You, Young Sun
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a bio-wrap film, and more particularly, Oxo-biodegradable transparent bio wrap film composition using biomass and biodegradation catalyst, a transparent bio wrap film manufactured through extrusion of the composition, and a manufacturing method thereof, where carbon neutral-type plant plasticizer, epoxidized soybean oil and components for maintaining freshness are added to vinyl chloride resin as a main raw material, and then raw composition for food packing materials is prepared and extruded in type of a film, and thus carbon reduction, biodegradable property and freshness maintenance are accomplished as well as excellent transparency, flexibility and mechanical properties are harmoniously implemented.

No. of Pages : 33 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2018

(21) Application No.201814010172 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ADAPTIVE POWER GENERATION MANAGEMENT •

(51) International classification	:F02C7/12	(71) Name of Applicant :
(31) Priority Document No	:15/605,184	1)HITACHI, LTD.
(32) Priority Date	:25/05/2017	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280 Japan Japan
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Nam HUYN 2)Chandrasekar VENKATRAMAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In some examples, a system receives first sensor data from respective wind turbines of a plurality of wind turbines. For instance, the first sensor data may include at least a power output and a wind speed per time interval. The system trains at least one respective model for each respective wind turbine based on the first sensor data received from that respective wind turbine. Further, the system receives, for a second time period, respective second sensor data from the respective wind turbines. The system executes, using the respective second sensor data, the respective model trained using the first sensor data received from that respective wind turbine to determine, for each respective wind turbine, a predicted power output for an upcoming period. The predicted power outputs may be aggregated to determine a total predicted power output and at least one action is performed based on the total predicted power output.

No. of Pages : 69 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201817027952 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRANSPARENT PANEL

(51) International classification	:C03C17/36
(31) Priority Document No	:16169823.8
(32) Priority Date	:17/05/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/056479
Filing Date	:20/03/2017
(87) International Publication No	:WO 2017/198362
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FISCHER, Klaus

2)KHNE, Matthias

3)HORNSCHUH, Sandra

4)ZIMMERMANN, Roberto

5)HENSELER, Martin

6)SCHAEFER, Dagmar

7)JANSEN, Michael

(57) Abstract :

The present invention relates to a transparent panel comprising at least one transparent substrate (1) and at least one electrically conductive coating (2) on at least one surface of the transparent substrate (1) wherein the electrically conductive coating (2) has at least 4 functional layers (3) which are arranged one on top of the other and each functional layer (3) comprises at least one layer (4) of a material with a high refractive index = 1.3 above the layer of material (4) with a high refractive index a first adaptation layer (5) an electrically conductive layer (6) above the first adaptation layer (5) and a second adaptation layer (7) above the electrically conductive layer (6). The layer thickness of in each case one of the electrically conductive layers (6) can be 5 nm to 25 nm the total layer thickness of all the electrically conductive layers (6) can be 20 nm to 100 nm. At least one layer (4) of highly refractive material which is arranged between two electrically conductive layers (6) comprises a layer of a dielectric material (8) with a refractive index which is less than or equal to 2.1 and a layer of optically highly refractive material (9) which has a refractive index of greater than or equal to 2.1 wherein a further layer (4.1) of optically highly refractive material with a refractive index = 1.9 is arranged above the topmost functional layer (3).



No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024402 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ORGANIC-SOLVENT-BASED HIGH-SOLID INK COMPOSITION FOR GRAVURE PRINTING, AND GRAVURE PRINTING METHOD

(51) International classification	:C09D11/102C09D11/033	(71) Name of Applicant : 1)SAKATA INX CORP. Address of Applicant :23-37, Edobori 1-chome, Nishi-ku, Osaka-shi, Osaka 5500002 Japan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/JP2015/084830	(72) Name of Inventor : 1)OGAWA Toru 2)HARADA Junichi
Filing Date	:11/12/2015	
(87) International Publication No	:WO 2017/098660	
(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 organic-solvent-based high-solid ink composition for gravure printing which, even when used for gravure printing with a shallowly engraved plate cylinder, gives prints with a satisfactory image density and has satisfactory printability and suitability for laminating. The organic-solvent-based high-solid ink composition for gravure printing comprises a pigment, a binder resin, and an organic solvent as major components, and is characterized by having a viscosity of 10-1,000 mPa·s/25°C and a viscosity during gravure printing of 12-23 sec/25°C in terms of the number of seconds required for discharge from Zahn cup No. 3. The ink composition is further characterized in that the pigment is an organic pigment and/or an inorganic pigment, the binder resin comprises a polyurethane resin terminated by a primary amino group and/or a secondary amino group, and a polyurethane resin solution prepared by dissolving 30 parts by mass of the polyurethane resin in 70 parts by mass of the organic solvent has a viscosity of 100-900 mPa·s/25°C and that the pigment and the binder resin satisfy specific requirements.

No. of Pages : 35 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201817024404 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FILM AND METHOD FOR PRODUCING A FILM

(51) International classification	:G06F3/041
(31) Priority Document No	:10 2015 121 195.5
(32) Priority Date	:04/12/2015
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2016/078349
Filing Date	:21/11/2016
(87) International Publication No	:WO 2017/093066
(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)LEONHARD KURZ STIFTUNG & CO. KG

Address of Applicant :Schwabacher Strae 482 90763 F1/4rth
Germany

(72)Name of Inventor :

1)HEINRICH, Matthias

2)HIRSCHFELDER, Andreas

3)HAHN, Martin

4)SCHAD, Johannes

(57) Abstract :

The invention relates to a film (1), a method for producing a film (1), the use of a film (1) that can be applied to a target substrate (10) and to a method for producing an electric functional element. The film (1) comprises a support substrate (2), an adhesion-promoting layer (4) for applying the film (1) to a target substrate (10) and at least one electrically conductive layer (3), the at least one electrically conductive layer (3) forming an electrical functional structure in a functional region (21). In at least one contacting region (20), the at least one electrically conductive layer (3) forms at least one contacting structure for contacting the electrical functional structure and the adhesion-promoting layer (4), when viewed perpendicularly to a plane spanned by the support substrate (2), leaves at least some portions of the at least one contacting region (20) exposed, or the adhesion-promoting layer (4), when viewed perpendicularly to a plane spanned by the support substrate (2), is applied over the entire area.



No. of Pages : 117 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019303 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LOCK APPARATUS AND VEHICLE USING THE SAME

(51) International classification	:F01M9/10	(71) Name of Applicant :
(31) Priority Document No	:62/510,200	1)GOGORO INC.
(32) Priority Date	:23/05/2017	Address of Applicant :3806 CENTRAL PLAZA, 18 HARBOUR ROAD, WANCHAI, HONG KONG
(33) Name of priority country	:U.S.A.	Hongkong(China)
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Jung-Chi HUANG
(87) International Publication No	: NA	2)Chia-Hao CHANG
(61) Patent of Addition to Application Number	:NA	3)Yu-Min CHEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lock apparatus includes a bracket, an engagement module, and an actuation module. The engagement module is supported in the bracket and has an engagement member configured to move to a first position or a second position in a first axial direction along the first axial direction. The actuation module is connected to the bracket and includes a pushing member. The actuation module drives the pushing member to move to a first position or a second position in the second axial direction along the second axial direction. When the pushing member is at the first position in the second axial direction, the engagement member is at the first position in the first axial direction. When the pushing member is at the second position in the second axial direction, the engagement member is at the second position in the first axial direction.



No. of Pages : 60 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201814019411 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BROAD-SPECTRUM MATRIX FOR CONTAMINATED EMISSIONS SORBENT COMPOUNDS AND METHOD OF USE

(51) International classification

:C07C27/06

(31) Priority Document No

:15/606,704

(32) Priority Date

:26/05/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A system and method for removing contaminants from emissions including the use of a matrix for selecting application specific copper, zinc, tin, sulfide (CZTS) sorbent compounds. The CZTS sorbent compound is a reactive material that removes contaminates from gaseous and/or non-gaseous emissions. The CZTS sorbent compound becomes a broad-spectrum reactive material with enhanced properties when alloyed specifically with precise elements targeting specified contaminates present in application specific emissions. The matrix disclosed herein defines which enhancement element is best suited for application specific compounding. The method may include testing the contaminated emissions and then routing the emissions through one or more specific filters based on pairing contaminates with filters containing corresponding CZTS sorbent compounds.



No. of Pages : 139 No. of Claims : 21

(71)Name of Applicant :

1)CHEMICAL AND METAL TECHNOLOGIES LLC

Address of Applicant :1400 Afflink Place Suite 100,
Tuscaloosa, Alabama 35406, United States of America U.S.A.

(72)Name of Inventor :

1)STUHLER, Hal

2)STUHLER, Lori

3)WALWORTH, Van T.

4)DRUMMOND, Scott

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2018

(21) Application No.201814019453 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD OF CONTROLLING ON-DIE TERMINATION AND SYSTEM PERFORMING THE SAME •

(51) International classification	:G06F9/4893	(71) Name of Applicant : 1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea Republic of Korea
(31) Priority Document No	:10-2017-0066377	
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Republic of Korea	(72) Name of Inventor : 1)Young-Hoon SON 2)Si-Hong KIM 3)Chang-Kyo LEE 4)Jung-Hwan CHOI 5)Kyung-Soo HA
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of controlling on-die termination (ODT) in a multi-rank system including a plurality of memory ranks is provided. The method includes: enabling ODT circuits of the plurality of memory ranks into an initial state when the multi-rank system is powered on; enabling the ODT circuits of a write target memory rank and non-target memory ranks among the plurality of memory ranks during a write operation; and disabling the ODT circuit of a read target memory rank among the plurality of memory ranks while enabling the ODT circuits of non-target memory ranks among the plurality of memory ranks during a read operation.



No. of Pages : 64 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2018

(21) Application No.201814019754 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR DAMPING ROTATIONAL OSCILLATIONS OF A LOAD-HANDLING ELEMENT OF A LIFTING DEVICE

(51) International classification

:F01K27/00

(31) Priority Document No

:A50448/2017

(32) Priority Date

:29/05/2017

(33) Name of priority country

:Austria

(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) Abstract :

A method for damping rotational oscillations of a load-handling element (7) of a lifting device (1) is created, wherein at least one controller parameter is determined by means of a rotational oscillation model of the load-handling element (7) as a function of the lifting height (IH) and wherein, to damp the rotational oscillation of the load-handling element (7) at any lifting height (IH), the at least one controller parameter is adapted to said lifting height (IH).



No. of Pages : 22 No. of Claims : 12

(71)Name of Applicant :

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AUSTRIA Austria

(72)Name of Inventor :

1)Dr. Martin Staudecker

2)DI Thomas J. Frauscher

3)DI Ralf Skotschek

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2018

(21) Application No.201817025057 A

(43) Publication Date : 30/11/2018

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

(51) International classification	:A61K31/41A61P27/02	(71) Name of Applicant : 1)PINELLI, Roberto Address of Applicant :Via Zorzi, 15 6900 Paradiso Switzerland
(31) Priority Document No	:01917/15	
(32) Priority Date	:29/12/2015	
(33) Name of priority country	:Switzerland	
(86) International Application No	:PCT/IB2016/057917	(72) Name of Inventor : 1)PINELLI, Roberto
Filing Date	:22/12/2016	
(87) International Publication No	:WO 2017/115238	
(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 composition comprising (a) pilocarpine or pharmaceutically acceptable salts thereof, (b) at least one alpha-stimulant agonist or pharmaceutically acceptable salts thereof and/or (c) at least one nonsteroidal anti-inflammatory agent (NSAID) or pharmaceutically acceptable salts thereof wherein (a) is present in a percentage by weight lower than 0.40%, (b) and/or (c) is present in a percentage by weight lower than 0.090% based on the total volume of the composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/06/2018

(21) Application No.201817023106 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : LIQUID PHASE ISOMAR PROCESS INTEGRATION

(51) International classification :C07C15/08C07C5/27B01D3/14
(31) Priority Document No :62/347018
(32) Priority Date :07/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/034413
 Filing Date :25/05/2017
(87) International Publication No :WO 2017/213870
(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)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)MONTALBANO, Joseph A.
2)WHITCHURCH, Patrick C.
3)WERBA, Gregory R.
4)HORN, Ian G.

(57) Abstract :

Processes and apparatuses for producing a C8 aromatic isomer product are provided. The process comprises introducing a reformate stream comprising aromatic hydrocarbons to a reformate splitter column to provide a plurality of streams. One or more streams comprising at least one stream from the plurality of streams is passed to a reformate upgrading unit to obtain an upgraded reformate stream. The upgraded reformate stream is passed to an aromatics stripper column to provide an aromatics stripper sidedraw stream comprising C8 aromatic hydrocarbons. The aromatics stripper sidedraw stream is passed to a xylene separation unit to provide the C8 aromatic isomer product and a raffinate product stream. At least a portion of the raffinate product stream is processed in a liquid phase isomerization unit to obtain an isomerized stream.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/06/2018

(21) Application No.201817023107 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROCESSES AND APPARATUSES FOR REMOVING BENZENE FOR GASOLINE BLENDING

(51) International classification :C10G63/02C10G35/04C10G45/44
(31) Priority Document No :62/347029
(32) Priority Date :07/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/034372
Filing Date :25/05/2017
(87) International Publication No :WO 2017/213865
(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)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)SINGH, Pankaj Kumar

2)SABITOV, Alexander V.

3)SHECTERLE, David J.

4)SHAKUR, Mohamed S. M.

5)PANCHAPAKESAN, Rajaraman

(57) Abstract :

This present disclosure relates to processes and apparatuses for transforming feedstock with high levels of benzene into a low-benzene content product that is suitable for gasoline blending. The benzene rich reformate stream is split in a reformate splitter and the benzene in the benzene rich reformate is saturated in a benzene saturation unit and the gases like hydrogen and LPG are recovered.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2018

(21) Application No.201817029804 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FRACTURE AND SCRATCH RESISTANT GLASS ARTICLES

(51) International classification :C03C3/085C03C3/097C03C21/00
(31) Priority Document No :62/342558
(32) Priority Date :27/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/034442
Filing Date :25/05/2017
(87) International Publication No :WO 2017/205605
(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)CORNING INCORPORATED

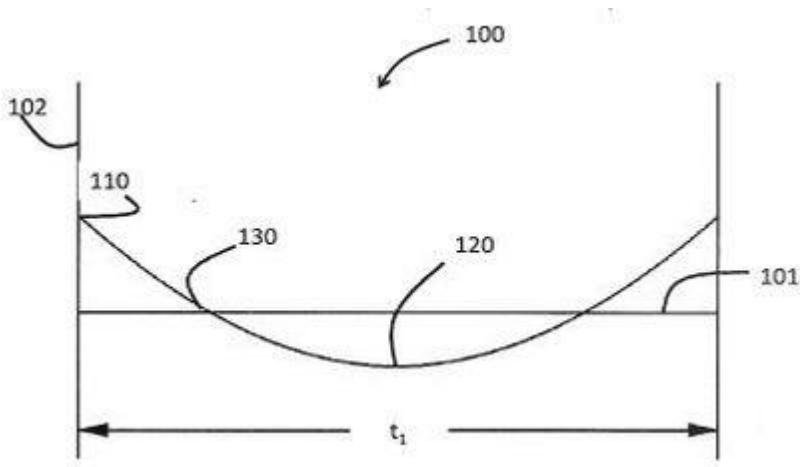
Address of Applicant :1 Riverfront Plaza Corning, New York 14831 U.S.A.

(72)Name of Inventor :

1)GROSS, Timothy Michael
2)SMITH, Charlene Marie

(57) Abstract :

Embodiments of glass compositions, glass articles and chemically strengthened glass articles are disclosed. In one or more embodiments, the glass composition comprises Li₂O, greater than about 0.9 mol% B₂O₃, Al₂O₃ in an amount greater than or equal to 10 mol%, and from about 60 mol% to about 80 mol% SiO₂. Embodiments of the chemically strengthened glass article include a first major surface and an opposing second major surface defining a thickness t, a compressive stress layer extending from the first major surface to a depth of compression greater than about 0.12t, a maximum compressive stress of about 200 MPa or greater, and a Knoop Lateral Cracking Scratch Threshold greater than about 6 N, as measured on either one of the first major surface and the second major surface. Methods for forming such chemically strengthened glass articles are also disclosed.



No. of Pages : 85 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/07/2018

(21) Application No.201817025725 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : VIA HOLE MOUNTING APPARATUS

(51) International classification	:E03C1/04
(31) Priority Document No	:201610373377.0
(32) Priority Date	:30/05/2016
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/085543
Filing Date	:23/05/2017
(87) International Publication No	:WO 2017/206765
(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)FLOWTECH KITCHEN & BATHROOM TECHNOLOGY CO., LTD

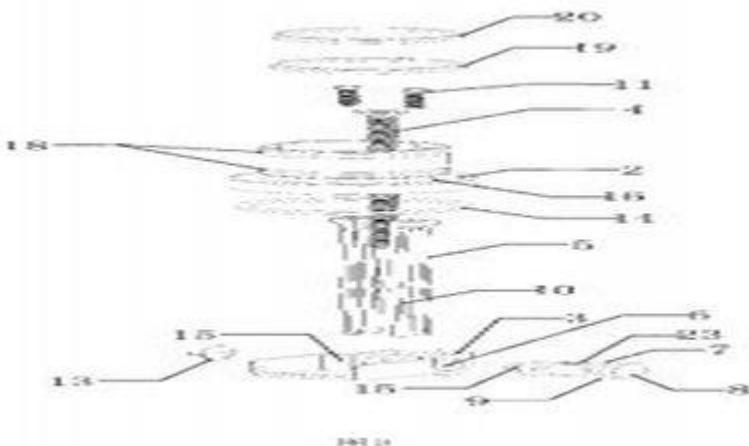
Address of Applicant :Miss JIANG CLP Industrial Park of Rongshuzai of Xinxu Village, Sanxiang Town Zhongshan, Guangdong 528400 China

(72)Name of Inventor :

**1)PEI, Shangzu
2)SU, Baoji**

(57) Abstract :

Disclosed is a via hole mounting apparatus. The via hole mounting apparatus is provided at the bottom of a faucet (1); the via hole mounting apparatus comprises a base (2) a locking piece (3) and a connection member. The base (2) is connected to the locking piece (3) through the connection member; the base (2) is provided at the bottom of the faucet (1); a water pipe of the faucet (1) extends through the base (2) and the locking piece (3). The connection member comprises a threaded rod (4) and a guiding post (5) which is arranged at two lateral sides of the threaded rod (4); the locking piece (3) is rotatably connected relative to the guiding post (5) and the locking piece (3) is in threaded connection relative to the threaded rod (4); and by arranging the guiding post (5) the locking piece (3) moves along the guiding post (5) in a vertical direction.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018235 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR COGNITIVE CONTROL OF DATA ACQUISITION FOR EFFICIENT FAULT DIAGNOSIS

(51) International classification	:G06F 19/00	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SHARMA, Hrishikesh
(87) International Publication No	: NA	2)GHOSH, Hiranmay
(61) Patent of Addition to Application Number	:NA	3)PURUSHOTHAMAN, Balamuralidhar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Remote sensing techniques are being increasingly used for periodic structural health monitoring of vast infrastructures. Conventionally, analysis of visual and other signals captured from sensing devices are used to diagnose faults. Such data collection and analysis is expensive in terms of both computational overheads as well as towards robotic maneuvering of data collection systems, such as a UAV. In accordance with the present disclosure, the data acquisition system is modeled as an intelligent situated agent that autonomously controls data gathering and analysis activities through a cognitive cycle of perception-recognition-action, in order to optimize the cost of efforts in identifying faults that may exist. Also, a reactive, economical planning algorithm around Qualitative Bayesian Network (QBN) that controls the sequence of data collection and analysis has been implemented.

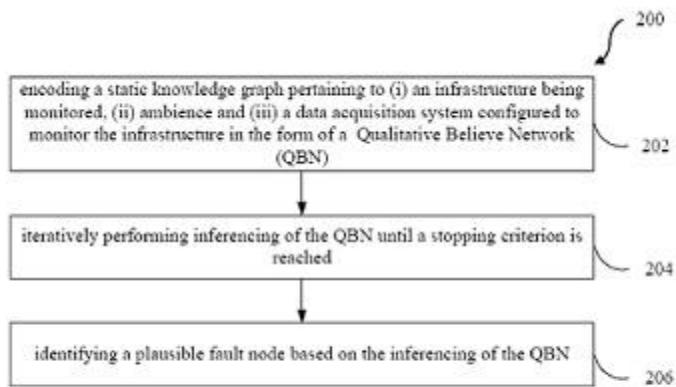


FIG.4

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018238 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD TO ENABLE PCIE DEVICE MIGRATION DURING VM LIVE MIGRATION

(51) International classification	:G06F 13/00 G06F 9/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India (72) Name of Inventor : 1)JOSE, Derin 2)PUTHAN CUDI, Rohith Preman 3)RAO, Tulasi Nagaraja 4)MENDIRATTA, Bharat Bhusan
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(57) Abstract :

A system and method to enable PCIe device migration during Virtual Machine (VM) live migration is disclosed. The system includes a management server, a source computing machine, a destination computing machine, a Peripheral Component Interconnect express (PCIe) switch and a PCIe endpoint device. The source computing machine and the destination computing machines includes a Virtual Machine Monitor (VMM) to perform VM live migration. A VM running on the source computing machine is migrated to the destination computing machine along with the PCIe endpoint device. Hence, the PCIe endpoint device is emulated and is presented to the destination computing machine on behalf of the PCIe endpoint device by a PCIe switch module running on the management server by using a connection relationship data. After creating the emulated PCIe device, the connection relationship data is modified with respect to the emulated PCIe device and the destination computing machine.

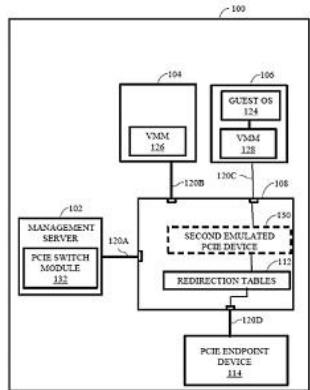


FIG. 1C

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018270 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD FOR IMPROVING INFORMATION TECHNOLOGY (IT) AGILITY OF AN ORGANIZATION

(51) International classification	:H04W 72/00 H04W 12/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India (72) Name of Inventor : 1)SANKARANARAYANAN, Sathish Kumar 2)RAMANUJAM, Srinivasagopalan 3)VENKATARAMAN, Swaroop 4)DANDA, Murthy Venkata Satyanarayana
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(57) Abstract :

System and method for improving IT agility of an organization across multiple dimensions such as but not limited to systems, engineering and organization structure, - are disclosed. Existing systems for improving organizational output rely on trial and error methods, and do not provide a holistic, definite and efficient mechanism for improving organizational adaptability and agility. Further, the existing systems require constant user interventions at various stages of data processing and analytics and do not provide recommendations based on the right benchmarks. In an embodiment of the present disclosure, the system, by processing organizational specific inputs, determines a current maturity level of the organization, wherein the current maturity level represents status of current IT agility level of the organization. Further, the system determines one or more steps to be taken by the organization so as to achieve a target IT agility level for the organization, and accordingly generates recommendations.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2017

(21) Application No.201721017896 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : TRANSFER PALLET WITH SUPPORT PLATE

(51) International classification	:B65D 19/00	(71) Name of Applicant : 1)Hong Il, NO Address of Applicant :133-46, 1638Bun-gil, Seobu-ro, Joochon-myun, Gimhae-si, Kyongsangnam-do, Korea Republic of Korea
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Hong Il, NO
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 :

Disclosed is a transfer pallet for use in a conveyor line to load and carry a product thereon, such as an automobile component or an electronic component, in which the transfer pallet is provided with a support plate to load the product thereon in multiple stages.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201721017985 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MATRIX TYPE MICRONEEDLE PATCHES CONTAINING KERATOLYTIC AGENTS.

(51) International classification	:A61K 9/00	(71)Name of Applicant : 1)DR. MAJUMDAR ANURADHA Address of Applicant :31/202, KANAKIAS SANSKRUTI, THAKUR COMPLEX, KANDIVALI (E), MUMBAI-400101, MAHARASHTRA, INDIA. Maharashtra India
(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	(72)Name of Inventor : 1)DR. MAJUMDAR ANURADHA 2)MS. DHARADHAR SAILI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel microneedle patches based topical drug delivery system incorporated with keratolytic agents. Each patch comprises of micron scale protrusions that penetrate through stratum corneum layer of the skin and aid in delivering the active pharmaceutical ingredient across the major barrier i.e. stratum corneum to improve permeation of drugs. The composition described herein comprises of keratolytic agent(s) which reduces the intercellular cohesiveness of the horny cells and thus enables speedy shedding of keratinised cells wherein the keratolytic agent(s) is dissolved in the polymeric matrix of the microneedle patch. The invention is based on the discovery that keratolytic agents aid in treatment of hyperkeratosis, a condition of accelerated mitotic production of epidermal keratinocytes resulting in micro trauma, injury and pain in conditions like warts, corns, calluses, acne, psoriasis, keloids and eczema.



No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201721018000 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR ELIMINATING NODE AMBIGUITIES WITHIN SUB-GRAPHS OF QUALITATIVE BELIEF NETWORKS

(51) International classification	:G01S 19/00	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SHARMA, Hrishikesh
(87) International Publication No	: NA	2)GHOSH, Hiranmay
(61) Patent of Addition to Application Number	:NA	3)PURUSHOTHAMAN, Balamuralidhar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Qualitative belief networks (QBNs), when used for qualitative reasoning is prone to assignment of ambiguous confidence values to various unobserved nodes. Once a node acquires ambiguous confidence, it can never come out to have a well-defined confidence value. The present disclosure provides systems and methods for eliminating node ambiguities within sub-graphs of QBNs. The methods of the present disclosure identify two scenarios in which there exists a specific errant sub-graph configuration within the QBN due to which certain nodes indulging in one or more negative product synergies are led to ambiguous states. For such two scenarios, the methods of the present disclosure resolves the conflict by blocking irrelevant sign propagations and the nodes involved are averted from getting to the ambiguous state.



No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201721018001 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A FINAL DRIVE SUPPORT SYSTEM FOR A WORK VEHICLE.

(51) International classification	:B62D 55/125 B60W 40/00 B60W 30/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71) Name of Applicant : 1)DEERE & COMPANY Address of Applicant :ONE JOHN DEERE PLACE MOLINE ILLINOIS USA-61265. U.S.A. (72) Name of Inventor : 1)KISHANLAL AGRAWALLA 2)SUBHASH RAKHUNDE 3)JAGDISH SHINDE 4)VIVEK SONAGRA 5)PRAMOD PADMANABHAN
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(57) Abstract :

The present disclosure discloses a final drive support system for a work vehicle having an input drive shaft (16) of a final drive housing (14) and a wheel mounting flange (18) operable along a first operational axis (X) and a second operational axis (Y) respectively. The final drive housing (16) and the wheel mounting flange (18) are supported on a chassis of the work vehicle through a dead axle (20). A mounting unit enables mounting of the final drive housing (14) on the dead axle (20). The final drive housing (14) is positioned on the mounting unit corresponding to a required vertical offset of the first operational axis (X) with respect to said second operational axis (Y). The required vertical offset is dependent on a desired ground clearance of the work vehicle. FIGURE 2



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018320 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INTELLIGENT PASSIVE CALL COMPLETION APPLICATION

(51) International classification	:H04M 15/00	(71) Name of Applicant : 1)Red Mango Analytics Private Limited Address of Applicant :311, Swastik Disha Corporate Park, Kohinoor Silk Mill Compound, L. B. S. Marg, Ghatkopar (W), Mumbai, Maharashtra - 400086 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)Rayomand Burzor Joshi
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Based on network parameters combined with user behaviour, the algorithm accurately identifies calls those were either dropped due to poor mobile network or closed by the user owing to bad quality in an Android phone. The application has capability of using and analysing various network technical parameters such as technology in use during user experience (2G/3G/4G), coverage level (RxLev/RSCP/RSRP/dBM), Quality (RxQual/EcNo/RSRQ/SINR) during a particular period before the call drop to indentify its reason and user experience.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201721018366 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : NOVEL COMPOSITION OF MICRONUTRIENTS FOR PROTECTION AGAINST NON-IONIZING RADIATION.

(51) International classification	:A61K 31/00	(71) Name of Applicant : 1)DR.(MRS.) MAJUMDAR ANURADHA Address of Applicant :31/202, KANAKIA'S SANSKRUTI, THAKUR COMPLEX, KANDIVALI (E), MUMBAI-400101, MAHARASHTRA, INDIA. Maharashtra India 2)MR. POKARNA ANKUSH
(31) Priority Document No	:NA	(72) Name of Inventor : 1)DR.(MRS.) MAJUMDAR ANURADHA 2)MR. POKARNA ANKUSH
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION (to be given along with complete specification on separate page) The present invention relates to a novel micronutrient composition which provides protection against the adverse impact of non-ionizing radiations. The said novel micronutrient composition comprises of a combination of vitamins, derivative of amino acids, minerals and antioxidants. The invention is based on the discovery that the said micronutrient composition protects against adverse neuronal and behavioural changes induced by non-ionizing radiation, when administered as daily health supplement.



No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201721018439 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WIRELESS AUTOMATIC WATER PUMP CONTROL DEVICE.

(51) International classification	:F22D 5/00	(71) Name of Applicant : 1)GAIKWAD RAVINDRA ASHOK Address of Applicant :P.NO.45A, B/H POST OFFICE, BHAGWAN NAGAR, NAGPUR-440027, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)GAIKWAD RAVINDRA ASHOK
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Invention Wireless automatic water pump control controls the On and Off operation of water pump(54,55) automatically through wireless che Invention Wireless automatic water pump control controls the On and Off operation of water pump(54,55) automatically through wireless communication depending on the water levels in the overhead tank(48) and water flow through the main pipeline(47) of the pumping system using radio frequency communication at 433Khz. The radio frequency communication is used to prevent long wire run, human intervention and inconvenience and maintenance cost. The tank unit is solar(50) powered through charge controller and battery(51) backup during no sunlight. The select switch(8,18) is used to avoid malfunction of the device of adjacent users. The dry run feature which is implemented using water flow switch(49) prevents the unnecessary running of pump(54,55) when there is no flow of water through the main pipeline(47) of the pumping, may be due to priming problem or no water in the water source, or low level of water in the water source thereby saving electricity and extending the life of pump. The dry run feature is implemented using low cost water flow switch(49). The Device can be used for three phase pump(55) by using additional contactor(28) and protection against single phasing and short circuit using TOR(30) and fuse(31) respectively. The mounting of float switches(52,53) is design to easy removal of lid(43) for maintenance of tank. The water flow switch(49) design is made simple to reduce the cost. The object of the invention is to provide low cost device for water pump control to prevent wastage of water and electricity. The invented device is useful for Domestic, Commercial and Public Establishment.levels in the overhead tank(48) and water flow through the main pipeline(47) of the pumping system using radio frequency communication at 433Khz. The radio frequency communication is used to prevent long wire run, human intervention and inconvenience and maintenance cost. The tank unit is solar(50) powered through charge controller and battery(51) backup during no sunlight. The select switch(8,18) is used to avoid malfunction of the device of adjacent users. The dry run feature which is implemented using water flow switch(49) prevents the unnecessary running of pump(54,55) when there is no flow of water through the main pipeline(47) of the pumping, may be due to priming problem or no water in the water source, or low level of water in the water source thereby saving electricity and extending the life of pump. The dry run feature is implemented using low cost water flow switch(49). The Device can be used for three phase pump(55) by using additional contactor(28) and protection against single phasing and short circuit using TOR(30) and fuse(31) respectively. The mounting of float switches(52,53) is design to easy removal of lid(43) for maintenance of tank. The water flow switch(49) design is made simple to reduce the cost. The object of the invention is to provide low cost device for water pump control to prevent wastage of water and electricity. The invented device is useful for Domestic, Commercial and Public Establishment.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2017

(21) Application No.201721018447 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SYSTEM AND METHOD FOR HEART RATE ESTIMATION

(51) International classification	:A61B 5/00	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)MUKHOPADHYAY, Shalini
(33) Name of priority country	:NA	2)AHMED, Nasimuddin
(86) International Application No	:NA	3)GHOSE, Avik
Filing Date	:NA	4)SINHARAY, Arijit
(87) International Publication No	: NA	5)JAISWAL, Dibyanshu
(61) Patent of Addition to Application Number	:NA	6)CHOWDHURY, Arijit
Filing Date	:NA	7)VEMPADA, Ramu Reddy
(62) Divisional to Application Number	:NA	8)CHAKRAVARTY, Tapas
Filing Date	:NA	9)PAL, Arpan

(57) Abstract :

Techniques for heart rate estimation are disclosed. In an embodiment, synchronized photoplethysmograph (PPG) and 3-axis acceleration signals are received. Further, the PPG and acceleration signals are partitioned into windows. Furthermore, it is determined whether motion is present in a window of the acceleration signal. Moreover, Fourier transform is performed on the signals to obtain power spectra of the signals in the window when there is motion. Also, it is determined whether a peak of the acceleration signal is present in a range around first highest PPG peak. Further, it is determined whether the peak of the acceleration signal affects heart rate of the user when the peak of the acceleration signal is in the range around the highest PPG peak. The heart rate of the user in the window is then estimated using second highest PPG peak when the peak of the acceleration signal affects heart rate of the user.



No. of Pages : 28 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201721018512 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BIOFUNGICIDE.

(51) International classification	:A01N 63/00	(71) Name of Applicant : 1)MR. JAYRAJ ASHWIN DOSHI Address of Applicant :601, TULSI VILLA, PODDAR ROAD, SANTACRUZ (WEST), MUMBAI-400054, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)MR. JAYRAJ ASHWIN DOSHI
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 deals with screening and isolation of B.*subtilis* strain ZB87 1/2 which produces unique Biofungicide-an antifungal composition with broad antifungal activity covering most of the plant fungal pathogens. The invention mainly deals with a process of obtaining optimal concentration of the antifungal composition ,process of identifying various metabolites in the composition, developing a medium which provides optimal concentrations of antifungal metabolites, developing a synergistic biofungicide antifungal composition, developing a novel and stable formulation of B.*subtilis* ZB87 V2 and/or its cell free extract for use as a biofungicide.



No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201721018533 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WIRELESS POWER TRANSFER TO COMPUTER MOUSE THROUGH MUTUAL INDUCTANCE

(51) International classification	:H04W 52/46	(71) Name of Applicant : 1)Abhay Suresh Gandhi Address of Applicant :Professor, Department of ECE, Visvesvaraya National Institute of Technology, Nagpur 440010 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor : 1)Abhay Suresh Gandhi 2)Utkarsha Anil Meshram
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 :

Present invention provides specially design and develops a wireless system for power transfer to computer mouse through mutual inductance. The invention proposes, a mouse is charged via inductive coupling. The wireless power charging system implemented successfully in its ability to utilize inductive coupling to charge the super capacitor inside a wireless mouse. A 5.0V input DC from USB port is converted into AC by using push pull oscillator. A 27.9 Vpp sinusoidal signal is developed across the primary coil at 10MHz. This peak to peak voltage is received at secondary coil and then rectified back to DC from AC by rectifier. Here we also used super capacitor instead of battery for good performance. The main advantage of this project is that it provides inductive coupling approximately over a distance of 10cm that is sufficient for normal mouse working. It also eliminates the need of battery for mouse, reducing the environment related problems arising due to the use of batteries. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the block diagram of the proposed system, Figure 2 of sheet 1 showing the simulation diagram of the transmitter and Figure 3 of sheet 2 showing the simulation diagram of the receiver.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2017

(21) Application No.201721018569 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : FRONT WHEEL DRIVE SYSTEM FOR MOTORCYCLE.

(51) International classification

:F16H

15/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)ARUN ARORA

Address of Applicant :C/O THE PRINCIPAL, BHILAI
INSTITUTE OF TECHNOLOGY, BHILAI HOUSE, DURG,
CHHATISGARH, INDIA-491001. Chattisgarh India

2)MUKESH DUBEY

3)SANTOSH KUMAR SAR

4)MAYANK MISHRA

5)ABHISHEK TIWARI

6)ANKIT GUPTA

7)SIDDHARTH MAURYA

8)DEEP SAHA

(72)Name of Inventor :

1)ARUN ARORA

2)MUKESH DUBEY

3)SANTOSH KUMAR SAR

4)MAYANK MISHRA

5)ABHISHEK TIWARI

6)ANKIT GUPTA

7)SIDDHARTH MAURYA

8)DEEP SAHA

(57) Abstract :

A front wheel drive system for motorcycle capable to work with or without a rear wheel drive system is disclosed in the present invention. Series of power transmission mechanisms comprising sprocket-chain drive, bevel gears, axles, bearings, supporting links are provided to transmit the power from shaft (1) to front wheel assembly 27. The longitudinal axis of Axle 8 is coaxial with that of the Axis of steering 33 to enable smooth steering during riding as well as turning. A supporting frame consisting of pair of rigid links are provided to maintain constant centre distance between sprocket-chain drives during lengthening/shortening of front shock absorber. The present invention disclosed here is also capable to retrofit in the already manufactured motorcycles. In accordance with the present invention the traction force is transmitted to front wheel, so that slipping of wheel on muddy, smooth, gradient or offroad surfaces on account of single rear wheel drive could be avoided.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/05/2017

(21) Application No.201721018683 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : AUTOMATED REMOTE ENERGY METERING SYSTEM

(51) International classification	:H04M 15/00	(71) Name of Applicant : 1)Niermal Bhawarilalji Chhajed Address of Applicant :Niermal Bhawarilalji Chhajed, Near Shankar Stores, Patrawali Lane, Cross M.G.Road, At Wardha Dist. Wardha 442001 (MS) Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) Name of Inventor : 1)Niermal Bhawarilalji Chhajed
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Following invention provides an automated remote energy metering system which helps to minimize Load Shading and End User Theft and which incorporates multiple customers™ accounts for monthly energy consumption and real time power use consisting a device installed on electric pole (2) connected with main server unit (4) installed at home with service line(1) and the system altogether is connected with main server installed for data communication and processing through coaxial cable for data transmission (3) and the system is provided with internet and mobile connectivity (5) for billing and informative purposeAdditional features are incorporated like load management by load dependent tariff massaging to the customer, e-billing on mobile, prepaid billing etc. the invention is described in detail with the help of Figure 3 showing schematic view of one of the preferred embodiment for purpose of data collection for electricity meters.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201721018777 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MAGNETORHEOLOGICAL FLUID BASE SEMI ACTIVE DAMPER.

(51) International classification	:B60G 15/12 B60G 15/06 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71) Name of Applicant : 1)REGISTRAR Address of Applicant :MAHARAJA KRISHNAKUMARSINHJI BHAVNAGAR UNIVERSITY, GAURISHANKAR LAKE ROAD, BHAVNAGAR 364001, GUJARAT, INDIA. Gujarat India (72) Name of Inventor : 1)BHATNAGAR SACHCHIDANAND PRAKASH 2)SAPRAMER HAMIRBHAI REWABHAI
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(57) Abstract :

Over the past three decades, a great deal of interest has been generated regarding the use of structural protective systems to mitigate the effects of dynamic environmental hazards, such as vibration, on mechanical engineering structures and automobile sectors for human comfort, earthquakes and strong wind, on civil engineering structures. These systems usually employ supplemental damping devices to increase the energy dissipation capability of the protected structure. One of the most promising new devices proposed for structural protection is magnetorheological (MR) fluid dampers. MR fluids possess rheological properties, which can be changed in a controlled way. These rheological changes are reversible and dependent on the strength of an excitation magnetic field. MR fluids have potentially beneficial applications when placed in various applied loading (shear, valve and squeeze) modes. Magnetorheological dampers, or as they are more commonly called, MR dampers, are being developed for a wide variety of applications where controllable damping is desired. MR fluid dampers have the capability of changing their effective damping force depending on the current input to the damper. These applications can include dampers for automobiles, heavy trucks, prosthetic limbs, gun recoil systems, bicycles, and possibly others related to mechanical discipline like brake, clutch etc. Magnetorheological (MR) fluid dampers have mechanical simplicity, high dynamic range, low power requirements, large force capacity, and robustness, this class of devices has been shown to mesh well with application demands and constraints to offer an attractive means of protecting infrastructure systems. The present work relates to issues of the design and analysis of the linear magnetorheological damper. Basic information concerning the characteristics of the typical magnetorheological fluid and the damper incorporating it, were investigated with the detailed description of the applied fluid developed in our premises. With reference to the computations, the prototype damper was designed, manufactured and tested under different operating conditions. Performed calculations were verified with the experimental results and their accuracy was evaluated. The conclusions and observations from the research were compiled in the summary.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2018

(21) Application No.201824012868 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DUAL-MOLDED CIRCULAR OPTICAL ELEMENT, IMAGING LENS ASSEMBLY, IMAGING DEVICE, AND ELECTRONIC DEVICE

(51) International classification	:G02B 13/00	(71) Name of Applicant : 1)LARGAN PRECISION CO., LTD. Address of Applicant :No.11, Jingke Rd., Nantun Dist., Taichung City 408, Taiwan
(31) Priority Document No	:106117446	
(32) Priority Date	:25/05/2017	
(33) Name of priority country	:Argentina	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Ming-Ta CHOU 2)Cheng-Feng LIN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present disclosure provides a dual-molded circular optical element including an outer plastic peripheral portion and an inner sheet portion. The outer plastic peripheral portion locates at an outer annular surface of the circular optical element. The inner sheet portion is enclosed in the outer plastic peripheral portion, and the inner sheet portion forms a minimal central opening of the circular optical element. Two sides of the outer plastic peripheral portion are disposed with a flat plane, and each of the flat planes is perpendicular to a central axis of the circular optical element.



No. of Pages : 64 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2018

(21) Application No.201824015325 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOTOR

(51) International classification	:F04D 25/00	(71)Name of Applicant : 1)Nidec Techno Motor Corporation Address of Applicant :338 Kuzetonoshiro-cho, Minami-ku, Kyoto 601-8205, Japan
(31) Priority Document No	:2017- 104619	(72)Name of Inventor : 1)Tatsuya YOSHIDA
(32) Priority Date	:26/05/2017	
(33) Name of priority country	:Japan	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This motor includes a stationary portion, and a rotating portion supported through a bearing portion to be rotatable about a central axis extending in a vertical direction with respect to the stationary portion. The stationary portion includes a stator, a holder portion arranged to hold the stator, and a cover fixed to the holder portion. The holder portion includes a holder opening portion defined on one axial side, and a recessed portion arranged to open at least at the holder opening portion, and recessed in an axial direction from the holder opening portion. The cover is arranged to cover the holder opening portion. At least a portion of the rotating portion is arranged in the recessed portion. The stationary portion further includes a circuit board at least a portion of which is covered with the cover. At least a portion of the circuit board is arranged in the recessed portion. Figure of Abstract : FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2018

(21) Application No.201824016499 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : INLINE SENSOR ARRANGEMENT, AND METHOD FOR PRODUCING AND COMMISSIONING SAID INLINE SENSOR ARRANGEMENT

(51) International classification

:G01N 27/00

(31) Priority Document No

:102017111141.7

(32) Priority Date

:22/05/2017

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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1)ENDRESS+HAUSER CONDUCTA GMBH+CO. KG

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GERLINGEN GERMANY Germany

(72)Name of Inventor :

1)Angela, EUBISCH

2)Michael, HANKO

(57) Abstract :

The invention relates to an inline sensor arrangement for the detection of measurement values of a measurand representing an analyte content of a measuring medium, which arrangement comprises: a sensor which is designed to generate and output a measurement signal correlated with the measurand, wherein the sensor has at least one sterile sensor element provided for contact with the measurement medium; and a housing surrounding the at least one sensor element, which housing encloses the sensor element in a chamber sealed tightly against an environment of the housing, and wherein the chamber contains inside it a gas volume that is designed such that an influence of harmful substances - in particular, of reactive nitrogen and/or oxygen species - on the at least one sensor element is largely prevented. The invention further relates to a method for the production of said inline sensor arrangement, and for its commissioning.



No. of Pages : 48 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2018

(21) Application No.201824016612 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : CONTINUOUS COMPRESSION WIRE SPRING POLISHING APPARATUS CONFIGURED TO EASILY REPLACE TWO PARALLEL AND OPPOSITE GRINDSTONES.

(51) International classification	:B24B 37/00 B24B 7/00	(71) Name of Applicant : 1)DAEWON APPLIED ENG. CO. Address of Applicant :37, Gongdan 1-daero, 196beon-gil Siheung-si, Gyeonggi-do 15090 Republic of Korea
(31) Priority Document No	:10-2017- 0065775	(72) Name of Inventor : 1)Chan-Ki CHUNG
(32) Priority Date	:29/05/2017	
(33) Name of priority country	:Republic of Korea	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present disclosure relates to a continuous compression wire spring polishing apparatus that continuously polishes end surfaces of compression wire springs (10) by upper and lower chain conveyors 100 and 200 and grinding units 300. The apparatus includes: two grinding units (300) each having a grindstone (350) to which rotational force of a motor (240) is transmitted through a gear box (260), the motor (240) having a rotary shaft being located above a central axis of the grindstone (350), and the two grinding units (300) being installed to be parallel and opposite to each other at opposite sides of a compression wire spring (10) fixed to the continuous compression wire spring polishing apparatus so as to polish opposite end surfaces of the compression wire spring (10); two hinge shafts (140), which are fixed at positions, which are spaced apart from grindstones in the lowest surface of the grinding units (300) by a predetermined distance, and which are inserted into and coupled to bearings, which are fixed to a body of the polishing apparatus; an upper guide (225) configured to prevent the compression wire spring (10) from springing out and a rod end fixing shaft (150) fixed to an end of the cylinder rod (170) of the pneumatic cylinder (180) inserted into and coupled to a bearing fixed at a position between the grindstone rotation shaft and the hinge shaft (140) in each of the grinding units (300). The grindstone rotation shaft of each of the grinding units (300) is turned into the vertical state or the horizontal state according to the forward and backward movements of the pneumatic cylinder (180), so that the two grindstones (350) of the grinding units (300), which are mounted to be parallel and opposite to each other, can be easily replaced.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2018

(21) Application No.201824008174 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : WORK VEHICLE TRANSMISSION DISCONNECT DEVICE CONTROL WITH SHAFT MOUNTED MANIFOLD.

(51) International classification	:B60K 23/00	(71) Name of Applicant : 1)DEERE & COMPANY Address of Applicant :ONE JOHN DEERE PLACE MOLINE, ILLINOIS, U.S.A. 61265 U.S.A.
(31) Priority Document No	:15/463836	
(32) Priority Date	:20/03/2017	
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)PETER D. WETRICH 2)MARK J. TIESZEN 3)MARK A. HERMAN 4)JOHN J. GALLEN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A work vehicle transmission has a disconnect device control assembly. The assembly includes a shaft having a rotation axis extending through a housing of the transmission. A disconnect device is mounted for co-rotation with the shaft about the rotation axis and has disengaged and engaged conditions. A gear is carried by the shaft to rotate about the rotation axis. The gear interacts with the disconnect device to rotate relative to the shaft in the disengaged condition and to co-rotate with the shaft in the engaged condition. A manifold is carried by the shaft and rotationally fixed relative to the rotation axis. The manifold defines a plurality of flow passages configured to route flow to the disconnect device. The manifold has an inner periphery that engages the shaft at a journal interface, which defines a flow passage for flow to pass from at least one of the flow passages of the manifold to the disconnect device.



No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2018

(21) Application No.201824010787 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ROLL OVER PROTECTION SYSTEM RATTLE REDUCTION.

(51) International classification	:B60N 2/00	(71) Name of Applicant : 1)DEERE & COMPANY Address of Applicant :ONE JOHN DEERE PLACE, MOLINE ILLINOIS U.S.A. 61265 U.S.A.
(31) Priority Document No	:15/477701	
(32) Priority Date	:03/04/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:NA	(72) Name of Inventor : 1)DAVID L. STUBER
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 roll over protection system for a vehicle having a first upright portion with a first end and a second end defining a first aperture, a second upright portion having a first end and a second end defining a second aperture, a third upright portion having a first end defining a first borehole and connected to first upright portion and a second end having a second borehole and connected to the second portion, a first pin and a first bushing are positioned in the first aperture and the first borehole, a second pin and a second bushing are positioned in the second aperture and the second borehole, the first and second bushings having first inner diameters that are greater than second inner diameters, the first and second pins having diameters that are greater than the second inner diameters and less than or equal to the first inner diameters.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2018

(21) Application No.201824011906 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : APPARATUS AND METHOD FOR TRANSPORTING BOBBINS AND TUBES OF A SPINNING LINE

(51) International classification	:D01H 9/00
(31) Priority Document No	:102017000037751
(32) Priority Date	:06/04/2017
(33) Name of priority country	:Italy
(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)MARZOLI MACHINES TEXTILE S.R.L.

Address of Applicant :Via SantTMAlberto, 10 I-25036
Palazzolo sullTMOglio, BRESCIA - ITALY Italy

(72)Name of Inventor :

1)GREGORI Antonio

2)SOLIANI Luca

(57) Abstract :

An apparatus of a spinning line comprises a rail (22) of a roving frame (6), a secondary transport device (26) associable to at least one spinning frame (8), and an integrated device (50) to locally carry out the collection of several tubes (12,14) originating from the spinning frame, of several bobbins (10) originating from the roving frame (6), the exchange of the bobbins (10) with the tubes (12,14) and the release of the bobbins (10) to the spinning frame and of the tubes (12,14) to the roving frame (6). Rail moving means are further provided for, adapted to advance the rail (22) with a variable stroke (C1,C2) between the step of collecting the bobbins (10) from the rail and the step of releasing the tubes (12,14) to the rail.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2018

(21) Application No.201824012688 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DOUBLE DISCONNECT TRANSMISSION REVERSER WITH DISCONNECT SYNCHRONIZER.

(51) International classification

:F16H 3/00

(31) Priority Document No

:15/496474

(32) Priority Date

:25/04/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A transmission reverser for reversing a direction of an output gear carried by an output shaft includes a reverse shaft, a reverse clutch mounted about the reverse shaft and having engaged and disengaged conditions, and a reverse disconnect synchronizer mounted about the reverse shaft and having engaged and disengaged conditions. When the reverse clutch and the reverse disconnect synchronizer are in the engaged conditions, the reverse shaft rotates the output gear in a reverse direction of rotation opposite a direction of rotation of the output shaft. When the reverse disconnect synchronizer is in the disengaged condition, the reverse clutch is disconnected from the output gear.



No. of Pages : 39 No. of Claims : 20

(71)Name of Applicant :

1)DEERE & COMPANY

Address of Applicant :ONE JOHN DEERE PLACE MOLINE,
ILLINOIS U.S.A. 61265 U.S.A.

(72)Name of Inventor :

1)CLAYTON P. NEUMANN

2)BRETT MCCLAIN

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2018

(21) Application No.201824018836 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : BOTTOM RAIL ASSEMBLY FOR A COVERING WITH ADJUSTABLE ROLLER POSITION AND RELATED METHODS

(51) International classification	:E06B 9/00	(71) Name of Applicant :
(31) Priority Document No	:US 62/509,846	1)HUNTER DOUGLAS INC. Address of Applicant :One Blue Hill Plaza, Pearl River, NewYork 10965 UNITED STATES OF AMERICA U.S.A.
(32) Priority Date	:23/05/2017	
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)Michael S. Goldberg
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In one aspect, a covering for an architectural structure may include a shade panel and a bottom rail assembly coupled to the shade panel. The bottom rail assembly may include a rail housing and a roller extending within the rail housing, with the shade panel being looped around the roller such that the bottom rail assembly is vertically supported by the shade panel as the panel is moved between extended and retracted positions. In addition, the relative positioning of the roller within the rail housing may be adjusted, as desired, between the top and bottom ends of the bottom rail housing.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2018

(21) Application No.201824018954 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : YARN GUIDE GEAR FOR A TEXTILE MACHINE PRODUCING CROSS-WOUND PACKAGES

(51) International classification	:B65H 54/00 B65H 67/00 B65H 63/00	(71)Name of Applicant : 1)SAURER GERMANY GMBH & CO. KG Address of Applicant :LEVERKUSER STRASSE 65, 42897 REMSCHEID, GERMANY Germany
(31) Priority Document No	:102017111412.2	(72)Name of Inventor :
(32) Priority Date	:24/05/2017	1)STRAATEN, Paul
(33) Name of priority country	:Germany	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention concerns a yarn guide gear (3) for a textile machine (1) producing cross-wound packages, having a drive device (13) which has a belt (15) to which a guide carriage (16A, 16B) is connected, which is guided in a sliding manner on an axial guide (25A, 25B) and is equipped with a drive rod (20) to which a yarn guide rod (18) of the textile machine (1) is fastened, in which the belt (15) is coupled to an electric motor drive (14) for reversible driving of the belt (15). According to the invention, a second guide carriage (16B, 16A) is connected to the belt (15), which is guided in a sliding manner by means of a second axial guide (25B, 25A) and has a second drive rod (20) for driving a second yarn guide rod (18) of the textile machine (1), the first and second guide carriages (16A, 16B) being arranged on the belt (15) in such a way that the first and second drive rod (20) and thus the correspondingly connected first and second yarn guide rods (18) in each case carry out a simultaneous and mutually opposed movement when the yarn guide gear (3) is operating.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201824019245 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DYNAMIC TIME-WEIGHTED SYSTEMS AND METHODS FOR MANAGEMENT OF ACOUSTIC EXPOSURE

(51) International classification	:H04N 7/00 H04N 5/00	(71) Name of Applicant : 1)AVAYA INC. Address of Applicant :4655 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054-1233, UNITED STATES OF AMERICA U.S.A.
(31) Priority Document No	:15/602,284	
(32) Priority Date	:23/05/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)LYNCH, JOHN C. 2)DEARAUJO, MIGUEL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to dynamic time-weighted systems and methods for management of acoustic exposure. Workplace safety is a principal concern in many environments. Protecting user ears from damage due to extended exposure to unacceptably high sound volume serves as an important component to workplace safety. Monitoring a device, such as a phone, utilized by a user often provides an incomplete picture of the sound level presented to the user. As provided herein, monitoring a users sound exposure on one device may cause the sound level presented to the user from a second device to become limited. Additionally, over time the sound level limits may be adjusted based on the cumulative historic sound exposure. As a result, the user may avoid exposure to unacceptably high sound levels originating from more than one source and/or over an extended period of time.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2018

(21) Application No.201824019246 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SERVICE IMPLEMENTING A WORKFLOW BASED ON IMAGE ANALYSIS

(51) International classification	:G06Q 10/00 G06K 9/00 G06F 3/00 :15/602,408	(71) Name of Applicant : 1)AVAYA INC. Address of Applicant :4655 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054-1233, UNITED STATES OF AMERICA U.S.A. (72) Name of Inventor : 1)CHAVEZ, DAVID 2)PHILONENKO, LAURENT
(31) Priority Document No		
(32) Priority Date	:23/05/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to service implementing a workflow based on image analysis. An image (e.g., a picture) is received from a communication device. The image has associated metadata that is captured while the image is taken. For example, the metadata may be a location, a date, and a time of the picture. One or more object(s) (e.g., a car) along with characteristics of the object(s) in the image are identified. For example, a characteristic may be an action associated with the object, such as a person is running. In response to analyzing the one or more objects for the one or more characteristics in conjunction with the metadata, one or more potential workflows are determined (e.g., a workflow to call the police). A list that identifies the one or more potential workflows is sent to the communication device. Input to select one of the one or more workflows is received, which initiates the selected workflow.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2018

(21) Application No.201825010674 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MOTOR INCLUDING A STATOR UNIT

(51) International classification	:H02K 3/00
(31) Priority Document No	:2011-131605
(32) Priority Date	:13/06/2011
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1710/MUM/2012
Filed on	:12/06/2012

(71)Name of Applicant :

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Address of Applicant :338 Tonoshiro-cho, Kuze, Minami-ku,
Kyoto 601-8205 Japan

(72)Name of Inventor :

1)Hidehiro HAGA

2)Kuniaki ADACHI

3)Kensuke SHOJI

4)Takashi HATTORI

5)Takao ATARASHI

6)Masato AONO

(57) Abstract :

The distance between the m-l-th turn and the m-th turn is made wider than each distance in the first turn to the m-l-th turn. Then, the m+l-th turn is disposed between the m-l-th turn and the m-th turn. Further, in a cross-section perpendicular to the central axis and passing a tooth, an angle between a line segment connecting the respective centers of the m+l-th turn and the m-l-th turn and a line segment connecting the respective centers of the m+l-th turn and the m-th turn is set to be 120° or more. In this way, bulge in a circumferential direction of the coil in the vicinity of an inner peripheral portion of the tooth can be suppressed. For this reason, a clearance can be secured between adjacent coils, and as a result, the number of turns of the coil can be increased. Reference figure.1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2018

(21) Application No.201826011446 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PROPANE TANK CONTINUOUS MONITORING SYSTEM

(51) International classification	:F17C 13/00
(31) Priority Document No	:61/661766
(32) Priority Date	:19/06/2012
(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	:2081/MUM/2013
Filed on	:19/06/2013
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Shailendra K Suman

Address of Applicant :#1101, Porters Pond Lane, Matthews, NC 28105, United States of America U.S.A.

(72)Name of Inventor :

1)Shailendra K Suman

(57) Abstract :

An apparatus, system and method for measuring quantity of a material are disclosed. One or more sensors are used to measure the quantity of the material are measured and error causing parameters are also measured. Error causing parameters are processed by executing one or more correction methodologies to determine a correction output. The quantity of the material is measured by using the correction output. One or values associated with the quantity of the material are measured and displayed. The one or more values are transmitted to a server and informative messages are received from the server.



No. of Pages : 104 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2018

(21) Application No.201827031993 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEODORANT PRODUCTION METHOD AND DEODORANT

(51) International classification	:A61L9/01
(31) Priority Document No	:2016-018046
(32) Priority Date	:02/02/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/087679
Filing Date	:16/12/2016
(87) International Publication No	:WO 2017/134948
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :6742-1, Tanochokou, Miyazaki-shi,
Miyazaki 8891701 Japan

(72)Name of Inventor :

1)ISHII Yoichi

2)OKAMOTO Takeshi

3)ISHII Sayaka

(57) Abstract :

Provided are: a method for producing a deodorant which is derived from earthworm casting soil and which can be used in liquid form; and the deodorant. This deodorant production method is characterized by comprising a mixing step of mixing earthworm casting soil and water and a recovery step of obtaining liquid by recovering vaporized water which is generated from the mixture obtained at the mixing step and this deodorant is obtained by the production method. It is preferable that in addition to the earthworm casting soil and the water organic material is further mixed at the mixing step.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2018

(21) Application No.201827032007 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : OPTICAL SWITCH DEVICES

(51) International classification :B42D25/40B32B3/30B32B7/06
(31) Priority Document No :62/326707
(32) Priority Date :22/04/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2017/028094
 Filing Date :18/04/2017
(87) International Publication No :WO 2017/184581
(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)WAVEFRONT TECHNOLOGY, INC.

Address of Applicant :7350 Somerset Blvd. Paramount, CA 90723 U.S.A.

(72)Name of Inventor :

1)RICH, Christopher, Chapman
2)PETERSEN, Joel, Mikael
3)PHILLIPS, Roger, Winston
4)TAMKIN, John, Michael

(57) Abstract :

A security device includes an array of lenses and a plurality of first and second segments disposed under the array of lenses. At a first viewing angle the array of lenses presents a first image for viewing without presenting the second image for viewing and at a second viewing angle different from the first viewing angle the array of lenses presents for viewing the second image without presenting the first image for viewing. At least one first or second segment includes one or more microstructures or one or more nanostructures configured to produce one or more colors for the first or second image.



No. of Pages : 87 No. of Claims : 185

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2018

(21) Application No.201827032020 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SADDLED VEHICLE EQUIPPED WITH COMBINED BRAKE SYSTEM

(51) International classification	:B62K19/38B62L3/08	(71) Name of Applicant : 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500, Shingai, Iwata-shi, Shizuoka 4388501 Japan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/JP2016/052517	(72) Name of Inventor :
Filing Date	:28/01/2016	1)SUGIYAMA, Masazumi
(87) International Publication No	:WO 2017/130355	2)OZAWA, Toshiaki
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A saddled vehicle 10 is equipped with a combined brake system 1 which interlocks a front wheel brake 68 and a rear wheel brake 69. The combined brake system 1 is equipped with: a front wheel brake actuator 80 which is provided to a handlebar 62 so as to actuate the front wheel brake 68 in response to an operation by a rider; a rear wheel brake actuator 90 which is provided below and further towards the rear than the front wheel brake actuator 80 so as to actuate the rear wheel brake 69 in response to an operation by the rider; and an interlocking brake cable 5 which is connected to the front wheel brake actuator 80 and the rear wheel brake actuator 90 so as to transmit the operational force applied to the rear wheel brake actuator 90 to the front wheel brake actuator 80. The front wheel brake actuator 80 is disposed in the right-side area RA of the vehicle 10. The interlocking brake cable 5 is routed in the right-side area RA of the vehicle 10 and has at least a portion overlapping an engine 63 as viewed from the side of the vehicle. The vehicle 10 is also equipped with a supporting member 101 which is located on the lateral side of the engine 63 and supports the interlocking brake cable 5.

No. of Pages : 54 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2018

(21) Application No.201827009576 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A UNITARY RF CONNECTOR FOR A BOARD TO BOARD CONNECTION AND A GANGED CONNECTOR INCLUDING A PLURALITY OF SUCH UNITARY CONNECTOR FOR A MULTIPLE BOARD TO BOARD CONNECTION

(51) International classification	:H01R13/46
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2015/090933
Filing Date	:28/09/2015
(87) International Publication No	:WO 2017/054106
(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)RADIALL

Address of Applicant :25 rue Madeleine Vionnet,
Aubervilliers 93300, France France

(72)**Name of Inventor :**

1)PETIT Laurent

2)QIN Shan

3)CHEN Gong

(57) Abstract :

The present invention relates to a unitary RF connector (1) intended in particular to link two printed circuit boards (PCB1 PCB2) comprising : a central rigid RF line (A) comprising a conductive element (30 40 50) retained within an electrical insulating body (2) which is rigid; at least one flexible RF line (B1 B2) comprising a conductive element (31 32; 41 42; 51 52) linked to the conductive element (30 40 50) of the central rigid line (A) and being able to flex toward one of the end face (21 22) of the insulating body taking any closer position when acted upon by the pressure force of a complementary connection element (PCB1 PCB2).



No. of Pages : 13 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2018

(21) Application No.201827010289 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : MULTI PURPOSE MULTI UTILITY AND REORGANIZABLE RECLINER CHAIR BED

(51) International classification :A47C17/16,A47C13/00,A47C17/00
(31) Priority Document No :62/232655
(32) Priority Date :25/09/2015
(33) Name of priority country:U.S.A.
(86) International Application No :PCT/US2016/052367
Filing Date :17/09/2016
(87) International Publication No :WO 2017/053212
(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)KHANDRIKA Krishna Mohan NAGA VENKATA

Address of Applicant :3665 Benton Street Apartment 35 Santa Clara CA 95051 U.S.A.

(72)Name of Inventor :

1)KHANDRIKA Krishna Mohan NAGA VENKATA

(57) Abstract :

A recliner chair bed includes a first frame a second frame a backrest and a leg rest. The first frame has front and rear ends. The second frame fits comfortably and moves telescopically inside and outside of the first frame. The leg rest is attached to the front end of the first frame. The backrest is attached to the rear end of the first frame. The independent movement of the back and leg rests helps in achieving desired position for comfort. The recliner chair bed provides stability can be moved on to any fixtures such as furniture and toilet and also can be converted into a bed.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2018

(21) Application No.201827010331 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PAPER INNER CONTAINER FOR HOLDING LIQUID REFILL CONTENTS

(51) International classification :B65D5/40,B65D5/74,B65D75/62
(31) Priority Document No :2015166118
(32) Priority Date :25/08/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/064703
Filing Date :18/05/2016
(87) International Publication No :WO 2017/033509
(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)NIPPON PAPER INDUSTRIES CO. LTD.

Address of Applicant :4 1 Oji 1 chome Kita ku Tokyo
1140002 Japan

(72)Name of Inventor :

1)OKUDE Hideki

2)NODA Takaharu

(57) Abstract :

The present invention obtains a paper inner container for holding liquid refill contents in which a suction port can be easily formed in the center of the upper surface. The upper surface (12) of a paper inner container (1) with a body section (11) that is formed in a square cylinder with four body section panels (5 6 7 8) is formed by: consecutively connecting a pair of upper surface forming panels (15 16) which face each other and are to be superposed vertically and a pair of side surface panels (18 19) which are located between the upper surface forming panels (15 16) facing each other and are to be folded when the upper surface forming panels (15 16) are superposed on the upper edge of the body section panels (5 6 7 8); forming holes (23a 23b) which are to become the suction port (22) in the centers of the upper surface forming panels (15 16); sealing the hole (23b) formed in the lower of the upper surface forming panels (16) with a rupture able film (24); and sealing the perimeter of the upper surface forming panel (16) to upper surface forming panel (15) that is superposed thereabove and the side surface panels (18 19).

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/10/2018

(21) Application No.201827039992 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND SYSTEM FOR DEVELOPING AND DEPLOYING DATA SCIENCE TRANSFORMATIONS FROM A DEVELOPMENT COMPUTING ENVIRONMENT INTO A PRODUCTION COMPUTING ENVIRONMENT

(51) International classification	:G06F9/44
(31) Priority Document No	:15/142650
(32) Priority Date	:29/04/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/029786 :27/04/2017
(87) International Publication No	:WO 2017/189816
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)INTUIT INC.

Address of Applicant :2700 Coast Avenue Mountain View,
California 94043 U.S.A.

(72)**Name of Inventor :**

1)MASCARO, Massimo

2)CESSNA, Joseph

3)LUNT, Jonathan

(57) Abstract :

A method and system facilitates the development of data science transformations in one programming language and the deployment of the data science transformations in another programming language according to one embodiment. The method and system preserves relationships functions configurations and characteristics between combinations of data transformations according to one embodiment. The preservation of the relationships functions configurations and characteristics is enabled by developing and providing a set of low-level (e.g. atomic) transformations that enable users to build their own models libraries and configurations into macro-transformations (e.g. conglomerate transformations) according to one embodiment. Deploying the data science transformations into production computing environments is useful for providing or supporting a number of types of software services such as predicting user behavior customizing user experiences supporting marketing initiatives providing empirically-backed recommendations predicting user preferences for software interactions and/or otherwise exposing patterns that are identified from historical and transactional data according to one embodiment.



No. of Pages : 38 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2018

(21) Application No.201828009437 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO BY PERFORMING IN-LOOP FILTERING BASED ON TREE-STRUCTURED DATA UNIT, AND METHOD AND APPARATUS FOR DECODING VIDEO BY PERFORMING THE SAME •

(51) International classification	:H04N 7/24
(31) Priority Document No	:61/320,847
(32) Priority Date	:05/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/KR2011/002382 :05/04/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:2475/MUMNP/2012 :29/10/2012

(71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO., LTD.

Address of Applicant :129, Samsung-ro, Yeongtong-gu,
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Korea

(72)Name of Inventor :

1)LEE, Tammy

2)HAN, Woo-Jin

3)CHOI, Byeong-Doo

(57) Abstract :

An apparatus and method of encoding and an apparatus and method of decoding a video by performing in-loop filtering based on coding units are provided. The encoding method includes: splitting a picture into a maximum coding unit; separately determining coding units for outputting encoding results according to a coded depth for deeper coding units that are hierarchically structured according to depths; and determining a filtering unit for performing in-loop filtering so as to minimize an error between the maximum coding unit and an original picture, based on the coding units, and performing in-loop filtering based on the filtering unit.



No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2018

(21) Application No.201828009439 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO BY PERFORMING IN-LOOP FILTERING BASED ON TREE-STRUCTURED DATA UNIT, AND METHOD AND APPARATUS FOR DECODING VIDEO BY PERFORMING THE SAME •

(51) International classification	:H04N 7/24
(31) Priority Document No	:61/320,847
(32) Priority Date	:05/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/KR2011/002382 :05/04/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:2475/MUMNP/2012 :29/10/2012

(71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO., LTD.

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(72)Name of Inventor :

1)LEE, Tammy

2)HAN, Woo-Jin

3)CHOI, Byeong-Doo

(57) Abstract :

An apparatus and method of encoding and an apparatus and method of decoding a video by performing in-loop filtering based on coding units are provided. The encoding method includes: splitting a picture into a maximum coding unit; separately determining coding units for outputting encoding results according to a coded depth for deeper coding units that are hierarchically structured according to depths; and determining a filtering unit for performing in-loop filtering so as to minimize an error between the maximum coding unit and an original picture, based on the coding units, and performing in-loop filtering based on the filtering unit



No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2018

(21) Application No.201828009440 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO BY PERFORMING IN-LOOP FILTERING BASED ON TREE-STRUCTURED DATA UNIT, AND METHOD AND APPARATUS FOR DECODING VIDEO BY PERFORMING THE SAME •

(51) International classification	:H04N 7/24
(31) Priority Document No	:61/320,847
(32) Priority Date	:05/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/KR2011/002382 :05/04/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:2475/MUMNP/2012 :29/10/2012

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)LEE, Tammy

2)HAN, Woo-Jin

3)CHOI, Byeong-Doo

(57) Abstract :

An apparatus and method of encoding and an apparatus and method of decoding a video by performing in-loop filtering based on coding units are provided. The encoding method includes: splitting a picture into a maximum coding unit; separately determining coding units for outputting encoding results according to a coded depth for deeper coding units that are hierarchically structured according to depths; and determining a filtering unit for performing in-loop filtering so as to minimize an error between the maximum coding unit and an original picture, based on the coding units, and performing in-loop filtering based on the filtering unit.



No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2018

(21) Application No.201828009441 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO BY PERFORMING IN-LOOP FILTERING BASED ON TREE-STRUCTURED DATA UNIT, AND METHOD AND APPARATUS FOR DECODING VIDEO BY PERFORMING THE SAME •

(51) International classification	:H04N 7/24
(31) Priority Document No	:61/320,847
(32) Priority Date	:05/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/KR2011/002382 :05/04/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:2475/MUMNP/2012 :29/10/2012

(71)Name of Applicant :

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(72)Name of Inventor :

1)LEE, Tammy

2)HAN, Woo-Jin

3)CHOI, Byeong-Doo

(57) Abstract :

An apparatus and method of encoding and an apparatus and method of decoding a video by performing in-loop filtering based on coding units are provided. The encoding method includes: splitting a picture into a maximum coding unit; separately determining coding units for outputting encoding results according to a coded depth for deeper coding units that are hierarchically structured according to depths; and determining a filtering unit for performing in-loop filtering so as to minimize an error between the maximum coding unit and an original picture, based on the coding units, and performing in-loop filtering based on the filtering unit.



No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2018

(21) Application No.201828010024 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : ENHANCED RACH DESIGN FOR MACHINE-TYPE COMMUNICATIONS

(51) International classification	:H04W 4/00
(31) Priority Document No	:61/370,555
(32) Priority Date	:04/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CN2011/078021
Filing Date	:04/08/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:376/MUMNP/2013
Filed on	:26/02/2013

(71)Name of Applicant :

1)MediaTek Inc.

Address of Applicant :No. 1, Dusing Rd. 1St., Science-Based Industrial Park, Hsin-Chu 300, Taiwan

2)WEI, Hung-Yu

(72)Name of Inventor :

1)LIN, Guan-Yu

2)WEI, Hung-Yu

3)CHEN, Yih-Shen

4)HSU, Chia-Chun

(57) Abstract :

An adaptive RACH operation is proposed for machine-type communications (MTC) in a 3GPP wireless network. The adaptive RACH operation is based on context information to reduce RACH collision probability, to control network overload, and to enhance system performance. The context information includes device related information and network related information. Device related information includes device type and service or application type. Network related information includes network load information and historical statistics information. Based on the context information, an MTC device adjusts various network access and RACH parameters by applying adaptive RACH operation in different levels. For example, in the application level and the network level, the MTC device adjusts its access probability or RACH backoff time for RACH access. In the radio access network (RAN) level, the MTC device adjusts its access probability or RACH backoff time, or transmits RACH preambles using adjusted RACH radio resources and preambles.



No. of Pages : 22 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2018

(21) Application No.201828011184 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR UPLINK TRANSMIT DIVERSITY •

(51) International classification	:H04B 7/06
(31) Priority Document No	:61/305,486
(32) Priority Date	:17/02/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/025342
Filing Date	:17/02/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2018/MUMNP/2012
Filed on	:22/08/2012

(71)**Name of Applicant :**

1)QUALCOMM INCORPORATED

Address of Applicant :a Company incorporated in the State of Delaware, United States of America: Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121-1714, United States of America U.S.A.

(72)**Name of Inventor :**

1)LUO, Tao

2)CHEN, Wanshi

3)MONTOJO, Juan

4)ZHANG, Xiaoxia

(57) Abstract :

Certain aspects of the present disclosure propose methods for supporting uplink transmit diversity in a wireless communication system. The proposed methods may eliminate ambiguity in decoding physical downlink control channel aggregation level and resources that are used by different antennas of a user equipment. In addition, a method is proposed for resource allocation for ACK/NACK repetition.



No. of Pages : 43 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018163 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYNERGISTIC ORAL COMPOSITION FOR TREATING MASTITIS INFECTION AND A METHOD FOR PREPARATION THEREOF

(51) International classification	:a61h	(71) Name of Applicant :
(31) Priority Document No	:NA	1)RATHORE, Omvati
(32) Priority Date	:NA	Address of Applicant :W/O Gendalal Rathore, Jamuniya
(33) Name of priority country	:NA	Talab, Jamoniya Taalab, District Sehore-466001, Madhya
(86) International Application No	:NA	Pradesh, India. Madhya Pradesh India
Filing Date	:NA	2)RATHORA, Geeta
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)RATHORE, Omvati
Filing Date	:NA	2)RATHORA, Geeta
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An aspect of the present disclosure relates to a synergistic oral composition that exhibits anti-mastitis activity in a mammal, said composition comprising: a pharmaceutically effective amount of Ficus benghalensis; a pharmaceutically effective amount of Allium cepa; a pharmaceutically effective amount of Cassia tora; a pharmaceutically effective amount of Sida cordata; and at least one pharmaceutically acceptable excipient. Another aspect of the present disclosure provides a method(s) for preparation thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2017

(21) Application No.201721018199 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM FOR INHIBITING DAMAGE TO THE VSI CRUSHER BY AUTO DIGITAL INDICATION OF WEARING OF THE WEAR PARTS.

(51) International classification	:G06K 19/00	(71) Name of Applicant : 1)Jugalkishore Kunjilalji Kalani Address of Applicant :H-2, Old MIDC SATARA 415004 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Jugalkishore Kunjilalji Kalani
(87) International Publication No	: NA	2)PHARANDE AMITKUMAR RAJENDRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for inhibiting damage to the Vertical shaft impact crusher using a unique RFID tag embedded in a wear part of a rotor and an RFID reader. The circuit of the unique RFID tag breaks at exhaust in the service life of wear part in a rotor, disabling the unique RFID tag from sending communication to the RFID reader, which the RFID reader senses and transmits this information to the electronic control circuit about the exhaust in service life of the wear part of the rotor which in turn activates the control panel for taking further action to inhibit further damage to the VSI crusher.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2018

(21) Application No.201827040594 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE FOR EVALUATING VASCULAR ELASTIC MODULUS

(51) International classification	:A61B5/02
(31) Priority Document No	:2015-238727
(32) Priority Date	:07/12/2015
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/060078
Filing Date	:29/03/2016
(87) International Publication No	:WO 2017/098739
(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)SANYOSEIKO CO., LTD.

Address of Applicant :1435 Ozawa, Saruhashi-machi,
Ootsuki-shi, Yamanashi 4090616 Japan

(72)Name of Inventor :

1)SHIMAZU, Hideaki

2)SHIRAKAWA, Futoshi

3)YAGUCHI, Yasuyuki

(57) Abstract :

The purpose of the invention is to measure the vascular elastic modulus precisely in a short time. This device for evaluating the vascular elastic modulus (1) comprises: a pressure detection unit (26) that detects a pulse wave in a state in which external pressure is applied to a blood vessel; and a control unit (10) that forms from the value detected by the pressure detection unit (26) a pulse wave amplitude showing dependent properties due to elasticity of the blood vessel and that calculates a positive area during the rising stage of the pulse wave amplitude and a negative area during the falling stage and derives the vascular elastic modulus by using these values.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2017

(21) Application No.201723017983 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DETACHABLE GARBAGE CLEANER AND A VEHICLE OPERATING THEREON

(51) International classification	:B60S 1/64 B62D 12/02 B60R 25/06	(71) Name of Applicant : 1) SOLANKI, Gulab Singh Address of Applicant :House No. 869, Near Kargil Chowk, Sunder Nagar, Raipur, Chhattisgarh 492013, India. Chattisgarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1) SOLANKI, Gulab Singh
(33) Name of priority country	:NA	2) SOLANKI, Mohit
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:	
Filed on	:01/01/1900	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Aspects of the present disclosure generally relate to the technical field of garbage cleaning. In particular, the present disclosure pertains to garbage cleaner that can be readily compatible with different pulling and/or collecting means for operations related thereto. In an aspect, it provides a vehicle 100 that operates on a detachable garbage cleaner 120, the vehicle 100 can include a pulling unit 110 to drive the vehicle 100; and a collecting unit 130, wherein the detachable garbage cleaner 120 has means to operatively connect to the pulling unit 110, and to the collecting unit 130; wherein the detachable garbage cleaner 120 can include a cleaner unit 120-1 configured with a stopper 126 to collect garbage from a surface; and a carrying unit 120-2, 120-2a configured to carry the garbage before dropping onto the collecting unit 120-2, 120-2a.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2018

(21) Application No.201824012696 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DOUBLE DISCONNECT TRANSMISSION REVERSER WITH DISCONNECT SYNCHRONIZER.

(51) International classification

:F16H 3/00

(31) Priority Document No

:15/496509

(32) Priority Date

:25/04/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A control system for a transmission reverser having an output gear, a forward disconnect device, a first reverse disconnect device, and a second reverse disconnect device includes one or more controllers with processing and memory architecture configured to execute control logic to control the transmission reverser in a forward mode and a reverse mode. In the forward mode, the one or more controllers command the first reverse disconnect device to disengage and the forward disconnect device to engage to rotate the output gear in a forward direction. In the reverse mode, the one or more controllers command the first reverse disconnect device to engage and the second reverse disconnect device to engage to rotate the output gear in a reverse direction.



No. of Pages : 39 No. of Claims : 20

(71)Name of Applicant :

1)DEERE & COMPANY

Address of Applicant :ONE JOHN DEERE PLACE MOLINE,
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(72)Name of Inventor :

1)CLAYTON P. NEUMANN

2)BRETT MCCLAIN

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2014

(21) Application No.2520/MUM/2014 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : DEVICE, SYSTEM AND METHOD FOR PROVIDING VEHICLE SURVEILLANCE

(51) International classification	:H04N7/18	(71) Name of Applicant : 1)KONNET TECHNO INTELLIGENCE PRIVATE LIMITED Address of Applicant :1 Krishna Chambers, 2nd Floor, Near SBI, Pashan-Sus Road, Pashan Pune - 411045, Maharashtra, India.
(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	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)PANDA, Seva
Filing Date	:NA	2)KALE, Amit
(62) Divisional to Application Number	:NA	3)KUMAR, Shabin
Filing Date	:NA	4)BIRAJ, Nikit

(57) Abstract :

The present subject matter discloses device, system and method for providing vehicle surveillance. The device may be communicatively coupled with a video capturing unit for capturing real time video data stream of vehicles. The video data stream may comprise plurality of images. The plurality of images captured is processed by concurrently detecting a region of interest from the plurality of images, recognizing alphanumeric characters from the region of interest, and tracking the license number of each vehicle. The region of interest and the alphanumeric characters indicates license number plate and license number of the vehicle respectively. Further, metadata may be extracted from the plurality of images. The metadata extracted may be further transmitted to a server configured to provide a user-interface for facilitating vehicle surveillance to a user. Further, the server is configured for executing a server application enabling the user to login and thereafter provide vehicle and driver details.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2018

(21) Application No.201824019591 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : COMPUTER TELEPHONY INTEGRATION (CTI) CONTROL OF MULTIPLE DEVICES WITH A SINGLE ADDRESS OF RECORD

(51) International classification	:H04M 3/00 H04L 29/00 H04M 7/00 :15/605,517	(71) Name of Applicant : 1)AVAYA INC. Address of Applicant :4655 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054-1233, UNITED STATES OF AMERICA U.S.A.
(31) Priority Document No	:25/05/2017	(72) Name of Inventor :
(32) Priority Date		1)HP, ANANDA
(33) Name of priority country	:U.S.A.	2)BIJWE, AMIT
(86) International Application No	:NA	3)Ezell, JOEL
Filing Date	:NA	4)BRUNSON, GORDON
(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 computer telephony integration (CTI) control of multiple devices with a single address of record. In order to deal with multiple communication endpoints that use a single address of record (e.g., a telephone number), a list of friendly names is determined for the multiple communication endpoints. The friendly names identify individual communication endpoints. For example, a friendly name may be JoeTMs Desktop. • When a Computer Telephone Integration (CTI) application is associated with a communication session, the list of friendly names is presented to a user. The user selects one of the friendly names. This results in a message being sent that indicates a communication endpoint associated with the selected friendly name. The message with the friendly name causes a new communication session to be automatically initiated from a communication endpoint associated with the selected friendly name or an answer of a forked communication session with the communication endpoint associated with the selected friendly name.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2017

(21) Application No.201721018846 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR AUTOMATICALLY CONTROLLING AND GUIDING A VEHICLE ALONG A PRE-DEFINED PATH

(51) International classification	:G05D 1/00	(71)Name of Applicant : 1)Mahindra and Mahindra Ltd. Address of Applicant :Mahindra Towers, G.M. Bhosale Marg, Worli, Mumbai - 400 018, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)PINTO, Stephen Xavier 2)IQBAL, Naiyer 3)GOGATE, Satish Nagesh 4)PATIL, Sharad Pandharinath
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system 100 and method for automatically controlling and guiding a vehicle along a pre-defined path is envisaged. The system 100 comprises a path detector 102, a signal processing unit 104, an obstacle detector 106, an obstacle detection unit 108, a driver unit 110, and at least one motor 112. The path detector 102 detects the pre-defined path and generates a path detection signal. The signal processing unit 104 receives the path detection signal, and generates a processed signal. The obstacle detector 106 detects obstacles along the path, and generates an obstacle detection signal. The obstacle detection unit 108 generates a stop signal corresponding to the obstacle detection signal. The driver unit 110 generates at least one driving signal based on the processed signal and the stop signal. The at least one motor 112 drives at least one wheel based on the driving signal thereby guiding and controlling the vehicle.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2018

(21) Application No.201827008095 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : PARTICULATE DELIVERY SYSTEMS

(51) International classification	:A61K31/00,A61K31/736
(31) Priority Document No	:2969/MUM/2015
(32) Priority Date	:06/08/2015
(33) Name of priority country	:India
(86) International Application No	:PCT/IN2016/050261
Filing Date	:05/08/2016
(87) International Publication No	:WO 2017/021983
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)PILGAONKAR Pratibha

2)GANDHI Anilkumar

3)JAIN Paras

(57) Abstract :

The present invention provides particulate delivery systems comprising plurality of particles comprising fenugreek gum and at least one pharmaceutically acceptable excipient. The particulate delivery systems of the present invention are used for the delivery of therapeutic immunologic or diagnostic agents and the like.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2018

(21) Application No.201827008099 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD FOR CONTROLLING WASHING MACHINE WITH FUNCTION OF RECYCLING WASHING WATER AND WASHING MACHINE

(51) International classification	:D06F39/00
(31) Priority Document No	:201510492806.1
(32) Priority Date	:12/08/2015
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2016/094134
Filing Date	:09/08/2016
(87) International Publication No	:WO 2017/025017
(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)QINGDAO HAIER WASHING MACHINE CO. LTD.

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(72)Name of Inventor :

- 1)XU Sheng
- 2)DENG Jinzhu
- 3)LI Dong
- 4)CHE Min

(57) Abstract :

Disclosed is a method for controlling a washing machine with the function of recycling washing water. The method comprises the following steps: step 1 enabling washing water to enter a flocculation barrel (1) after the washing machine finishes washing; step 2 stirring flocculating and standing for layer separation within the flocculation barrel; step 3 enabling the cleaned washing water after flocculation to flow back to a wash barrel and discharging waste water with flocs; step 4 adding tap water to the wash barrel until a rinsing water level; and step 5 rinsing. In step 4 before adding tap water to the wash barrel it is determined if the washing water in the wash barrel reaches the rinsing water level L4; if yes performing step 5 and if no performing step 4 until the rinsing water level L4 is reached. Furthermore also provided is a washing machine. The washing machine adopts the above mentioned method to achieve the goal of recycling the washing water and has a significant water saving effect and a simple structure.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2017

(21) Application No.201721008937 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR DETECTING CHANGE USING ONTOLOGY BASED SALIENCY

(51) International classification	:G06F 17/00	(71) Name of Applicant : 1)Tata Consultancy Services Limited Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai-400021, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)GUBBI LAKSHMINARASIMHA, Jayavardhana Rama
(33) Name of priority country	:NA	2)VAIAPURY, Karthikeyan
(86) International Application No	:NA	3)CHANDRA, Mariswamy Girish
Filing Date	:NA	4)PURUSHOTHAMAN, Balamuralidhar
(87) International Publication No	: NA	5)DESHPANDE, Shailesh Shankar
(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 identifying real time change in a scene of an unknown environment using an unmanned vehicle. In the context of unmanned vehicle navigation, it is critical to calculate the saliency map in real time and employ them in scene understanding. This will reduce the search space and ensure that the process is quicker. A domain specific ontology is created and a saliency model is developed. The saliency model detects key domain specific regions of interest in two consecutive images. The regions of interest is used for registration and change detection. The system is detecting the change by using visual saliency as an abstract feature that is developed in the environment. Probability of change is derived using the salient maps of the two images.



No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/03/2018

(21) Application No.201827009066 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : SPRAY NOZZLE ARRANGEMENTS

(51) International classification	:B05B1/08,B05B1/34	(71) Name of Applicant : 1)LEAFGREEN LIMITED Address of Applicant :35 Fairfield Rise Wollaston Stourbridge West Midlands DY8 3PQ U.K.
(31) Priority Document No	:GB 1514468.6	
(32) Priority Date	:14/08/2015	
(33) Name of priority country	:U.K.	
(86) International Application No	:PCT/GB2016/000148	(72) Name of Inventor : 1)LAIDLER Keith
Filing Date	:11/08/2016	
(87) International Publication No	:WO 2017/029466	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A nozzle arrangement that produces an atomised spray or foam wherein the nozzle arrangement comprises a nozzle body with an inlet for a pressurized fluid into a chamber with an outlet orifice in the downstream wall and a prodder with a tapered conical tip wherein the prodder is inside of said chamber and at least part of the tip of the prodder protrudes inside the outlet orifice creating at least one circumferential gap between the prodder tip and the outlet orifice whereby the fluid spins around at least part of the prodder tip and out through the circumferential gap and produces an atomized spray or foam with a substantially full cone shape.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/10/2018

(21) Application No.201827039233 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : METHOD AND SYSTEM FOR APPLYING DYNAMIC AND ADAPTIVE TESTING TECHNIQUES TO A SOFTWARE SYSTEM TO IMPROVE SELECTION OF PREDICTIVE MODELS FOR PERSONALIZING USER EXPERIENCES IN THE SOFTWARE SYSTEM

(51) International classification	:G06Q30/06G06Q30/02
(31) Priority Document No	:15/137704
(32) Priority Date	:25/04/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/019600 :27/02/2017
(87) International Publication No	:WO 2017/189084
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**

1)MASCARO, Massimo

2)CESSNA, Joseph

3)OUYANG, Peter

(57) Abstract :

A method and system adaptively improves potential customer conversion rates revenue metrics and/or other target metrics by providing effective user experience options to some users while concurrently testing user responses to other user experience options according to one embodiment. The method and system selects the user experience options by applying user characteristics data to an analytics model to identify a predictive model that selects or determines the user experience options according to one embodiment. The method and system analyzes user responses to the predictive model and/or user experience options to update the analytics model and to dynamically adapt the personalization of the user experience options according to one embodiment. The method and system dynamically and automatically defines evaluates and updates analytics models to provide progressively improving personalization of user experiences in a software system.



No. of Pages : 49 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/08/2018

(21) Application No.201827032101 A

(43) Publication Date : 30/11/2018

(54) Title of the invention : HYBRID MOTOR WITH HYBRID PISTONS PROPELLED BY A PRESSURISED FLOWING FLUID AND DRONE WITH A NORTH OR SOUTH EAST OR WEST AND UP OR DOWN MOVEMENT AND A STATIONARY STATE

(51) International classification :F01B17/02F04B53/14F16J1/09
(31) Priority Document No :16/00157
(32) Priority Date :29/01/2016
(33) Name of priority country :France
(86) International Application No :PCT/IB2017/000025
 Filing Date :06/01/2017
(87) International Publication No :WO 2017/130049
(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)STRZYZEWSKI, Patrick

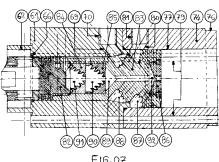
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Appart 08 62170 Neuville sous Montreuil France

(72)Name of Inventor :

1)STRZYZEWSKI, Patrick

(57) Abstract :

The invention relates to a hybrid motor device with pistons propelled by a pressurised and flowing fluid and the liners thereof having an expansion chamber and the heating systems thereof. The invention relates to at least one hybrid motor with at least two hybrid pistons combining at least two types of energy propelled by a pressurised and flowing fluid each piston being assembled and mounted in at least one ring positioned at least between two liners with at least one closing cap (figures 01 to 30). The motor consists of at least two half-cams for circular detection over 240° attached to the hybrid motor flywheel (figures 31 and 32) of at least two mechanical control hydraulic devices (figures 37 40) or of electro-mechanical devices with at least one heat exchanger composed of at least three parts (figures 35 and 36) which cools at least one hydraulic system and produces heat and which has the specificity of being designed such that the inner shapes of the two inner portions of the heat exchanger are machined or moulded and rough-cast to match at least the shape of the outer body of at least one hydraulic pump of any type in order to enable the heat exchanger to be attached to the outer body of said pump. The device according to the invention is particularly intended for hybrid motors heating and other industrial designs such as designs for a drone (figures 41 to 47) that can be stationary or that can move along six axes north-south east-west and downwards or upwards. This technology can also be used in all transportation fields to move a bicycle a motorcycle a vehicle etc.... but also to drive any mechanical system or the like.



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

CONTINUED TO PART- 2