

বাংলাদেশ



গেজেট

কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, জুলাই ২৫, ২০১৯

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর  
শিল্প মন্ত্রণালয়

গৃহীত পেটেন্ট দরখাস্ত  
Accepted Patent Applications

তারিখ: ২৫ জুন ২০১৯ খ্রিঃ

নং ১০৩(৩)/২০০৮-২০১১/২৫৯২—এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদন পত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরীর বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময় সীমার মধ্যে যে কোন সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ সনের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংকবিশিষ্ট সংখ্যাগুলি পূর্ণাঙ্গ বিশেষত্বনামা গৃহীত হইবার পর পেটেন্ট নম্বর প্রদান করা হইয়াছে এবং এই ক্রমিক সংখ্যা অনুসারে বিনির্দেশ মুদ্রণ করা হইবে এবং পরবর্তী কার্যক্রম গ্রহণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পূর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরে প্রদর্শিত হয়। যে কোন আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যাখ্যিত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফিসহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ সনের পেটেন্ট ও ডিজাইন আইনের ৭৮-ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখরূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসঙ্গে উল্লিখিত হইয়াছে।

Notice is hereby given that all persons interested in opposing the grant of patent on any of the application referred to below may at any time within four months from the date this Gazette, give notice at the Department of Patents, Designs & Trademarks (Patent & Design Wing), Ministry of Industries (5<sup>th</sup> Floor), 91, Motijheel C/A, Dhaka- 1000, Bangladesh in the prescribed form-6 of the Patents and Designs Rules, 1933.

The seven figures numbers shown in the right hand side are those given to the application on acceptance of the complete specifications and under which the specifications will printed and subsequent proceeding will be taken.

The complete specifications of the accepted applications are open to the public inspection at this office at any time on all working days, if required typed copies of the specifications can be supplied by this office on payment of the prescribed charge which may be ascertained on applications to this office.

The priority dates of the applications and the names of the countries in which the applications to have been filed first are shown in the crescent brackets. The priority dates are claimed Under Section 78A of the Patents and Designs Act, 1911/ provisions under this Paris Convention.

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|----------|---|--|---|
| 311/2015 | JFE STEEL CORPORATION,<br>a Japanese Company, (whose<br>legal address is 2-3,<br>Uchisaiwai-cho 2-chome,<br>Chiyoda-ku, Tokyo 100-0011,<br>Japan.)<br>Priority: JP 2014-248606<br>dated: 09/12/2014         | STRUCTURAL STEEL MATERIAL HAVING<br>EXCELLENT ATMOSPHERIC CORROSION<br>RESISTANCE.<br><br><i>IPC: C22C 38/00</i><br><br><b>1006093</b>                                     | <b>Abstract:</b> Provided is a structural steel material having excellent atmospheric corrosion resistance at a low cost. The structural steel material having excellent atmospheric corrosion resistance contains, by mass%, 0.01% or more and less than 0.20% C, 0.05% or more and 1.00% or less Si, 0.20% or more and 2.00% or less Mn, 0.001% or more and 0.050% or less P, 0.0001% or more and 0.0200% or less S, 0.005% or more and 0.050% or less Al, 0.010% or more and 0.500% or less Cu, 0.005% or more and 0.100% or less Nb, 0.005% or more and 0.300% or less Sn, wherein a solid solution Nb amount falls within a range from 0.002% or more to 0.080% or less, and a balance constituted of Fe and unavoidable impurities.   |
| 137/2016 | Novozymes A/S, a Company<br>incorporated under the laws of<br>Denmark, (whose legal<br>address is Kroghoejvej 36,<br>DK-2880 Bagsvaerd,<br>Denmark.)<br>Priority:<br>PCT/CN2015/082480<br>Dated: 26/06/2015 | AN ENZYME COMPOSITION FOR BIOFINISHING A<br>CELLULOSE CONTAINING TEXTILE.<br><br><i>IPC: C12 N 15/56, 9/42, D06 M 16/00</i><br><br><b>1005960</b>                          | <b>Abstract:</b> The present invention relates to a biofinishing system comprising a combination of cellulases, in particular a biofinishing system comprising a combination of GH45 cellulases. The present invention further relates to a process for treating a cellulose-containing textile comprising biofinishing the cellulose-containing textile with a combination of GH45 cellulases.   |
| 67/2017  | V.K. Wakchaure,<br>Nationality: Indian, (whose<br>legal address is CTR<br>Manufacturing Industries<br>Limited, Nagar Road, Pune-<br>411014, Maharashtra, India.)  | AN APPARATUS FOR DETECTING FIRE AND<br>PREVENTING EXPLOSION OF TRANSFORMER AND A<br>METHOD THEREOF.<br><br><i>IPC: H01F 27/1, 27/40, H 02P 13/00</i><br><br><b>1006062</b> | <b>Abstract:</b> The present disclosure provides an apparatus for detecting fire and preventing explosion of a transformer. The apparatus comprises at least one voltage variation detection unit and an over current detection unit for providing first and second input signal to at least one control unit. Also, at least one surge detection unit and at least one Rapid Pressure Rise Relay is provisioned in the apparatus, to provide a third input signal the control unit. One or more circuit breakers is configured to provide a fourth input signal to the control unit. The at least one control unit receives either one of the first input signal, the second input signal the third input signal and the fourth input signal, thereby generating a control signal for operating a drain valve and a gas release valve. |

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| 68/2017 | <p>HONDA MOTOR CO. LTD., a company organized and existing under the laws of Japan, (whose legal address is 1-1, Minami- Aoyama 2-chome, Minato ku, Tokyo, 107, 8556, Japan.)</p> <p>Priority: JP 2016-045232</p> <p>Dated: 09/03/2016</p>   | <p>MOTORCYCLE INCLUDING AN ACCELERATION SENSOR.</p> <p><i>IPC: B 62J 39/00</i></p> <p><b>1006063</b></p> <p><b>Abstract:</b> A motorcycle includes a main frame, a seat frame connected to a rear portion of the main frame and extending backward to support a seat, an auxiliary frame reinforcing the seat frame, and an acceleration sensor. The acceleration sensor is supported at a position under the seat frame and above the auxiliary frame in a side view by a bracket extending from the seat frame or the auxiliary frame. Side surfaces of the acceleration sensor are covered with a vehicle body cover.</p>   |
| 69/2017 | <p>JDC CORPORATION, a corporation organized and existing under the laws of Japan, (whose legal address is 9-9, Akasaka 4-chome, Minato-ku, Tokyo, 1078466, Japan.)</p> <p>Priority: JP 2016-253376</p> <p>Dated: 27/12/2016</p>   | <p>LAYERED DOUBLE HYDROXIDE WITH IMPROVED ADSORPTION PERFORMANCE.</p> <p><i>IPC: C01F 7/00</i></p> <p><b>1006064</b></p> <p><b>Abstract:</b> Provided is a layered double hydroxide which has a general expression that is expressed as <math>M_{2+1-x}M_{3+x}(OH)_2(An)^{-x/n} \cdot mH_2O</math> (where <math>M_{2+}</math> is a divalent metal ion, <math>M_{3+}</math> is a trivalent metal ion, <math>An^{-}</math> is an n-valence anion, and <math>0 &lt; x &lt; 1</math>, and <math>m &gt; 0</math>), and which has a crystallite size of equal to or smaller than 20 nm. In addition, also provided is a water purification apparatus that includes a polluted substance remover which removes a polluted substance by the layered double hydroxide.</p>    |
| 70/2017 | <p>Telefonaktiebolaget LM Ericsson (Publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden.)</p> <p>Priority: CN</p> <p>PCT/CN2016/078389</p> <p>Dated: 01/04/2016 and</p> <p>PCT/ CN 2017/074509</p> <p>Dated: 23/02/2017</p> | <p>METHOD AND DEVICE FOR RESOURCE CONFIGURATION IN HANDOVER.</p> <p><i>IPC : H04W 36/08</i></p> <p><b>1006065</b></p> <p><b>Abstract:</b> Embodiments of the disclosure generally relate to resource configuration in a wireless communication network. A terminal device in the wireless communication network receives information about supplemental resource from a source cell. Then the terminal device determines a time interval, in which the supplemental resource is available to the terminal device, in a transition period of a handover from the source cell to a target cell based on a timer associated with a random access procedure in the handover. In this way, the terminal device may use the supplemental resource during the handover.</p> |

87/2017 Sembcorp Marine  
Integrated Yard Pte Ltd., A  
Corporation incorporated in  
Singapore, (whose legal  
address is 29 Tanjong Kling  
Road, Singapore 628054,  
Singapore)  
Priority: No 20160518  
Dated: 01/04/2016

SEABED BASE STRUCTURE AND METHOD FOR  
INSTALLATION OF SAME,

IPC: B63C 1/02, E02B 3/06, E02D 23/02, F 17C 13/08

**1006075**

**Abstract:** The publication relates to a shallow water terminal, preferably for storing and loading or unloading hydrocarbons, such as LNG, oil or gas. The base structure comprises a floatable, and removable seabed substructure intended to be supported by a seabed, the seabed substructure comprising a base structure provided preferably with an upwards extending wall structure, arranged along at least a part of the periphery of the base structure, the base structure preferably also being provided with an opening in the wall structure for allowing the floatable module to be berthed in and supported by the seabed substructure. The base structure is provided with strong points configured to receive the ends of preinstalled vertical piles for at least temporary support of the base structure during a piling operation for permanent piling of the base structure to the sea bed. The publication also relates to a method for piling a base structure on or above a seabed .

91/2017 Shah Technologies LLC,  
a corporation organized and  
existing under the laws of  
U.S.A.,(whose legal address is  
2855 PGA Boulevard, Palm  
Beach Gardens, FL 33410,  
United States of America.)  
Priority: US 201621011697  
Dated: 01/04/2016

METAL ONE PIECE SLIDE AND PULL FOR SLIDE  
FASTENER.

IPC: A 44B 19/26

**1006069**

**Abstract:** The invention involves a slide assembly for a zipper, and a method for manufacturing a zipper slide assembly. The slider assembly is formed in a single die cast operation to include the slider and the pull member being formed simultaneously. At least one side shifting slide is incorporated into the die, which allows the bridge and pull loop to be formed with their full geometric shape and without the converging flat surfaces required in the prior art.

96/2017 Telefonaktiebolaget LM  
Ericsson (publ), a Corporation  
organized and existing under  
the laws of Sweden, (whose  
legal address is SE-16483  
Stockholm, Sweden.)  
Priority: US 62/326, 033  
22/04/2016

A WIRELESS DEVICE AND METHODS THEREIN FOR  
AN IMPROVED CELL RESELECTION PROCEDURE.

IPC: H 04W 36/00

**1006078**

**Abstract:** A wireless device 204 and a method for providing an improved cell reselection procedure. The wireless device is served in a serving cell. At a first point in time, the wireless device determines a first signal quality of a first signal received from the serving cell. At a second point in time, it determines a second signal quality of a second signal received from a neighbour cell. Based on the determined first and second signal qualities, the wireless device determines a first trigger condition for performing measurements for cell reselection. At a third point in time, the wireless device determines a third signal quality of a third signal received from the serving cell. When a difference between the third and first signal qualities has passed the trigger condition, the wireless device performs at least one measurement for cell reselection on at least one of the cells.

- 104/2017 YUN, Kwan-Sik, Nationality: ANIMAL FEED ADDITIVE AND METHOD FOR  
The Republic of Korean, (whose USING SAME  
legal address is 103-2002 IPC: A 23k 1/00  
Jungdong, WEVE The State ) 1006080  
190, Sinheung-ro Wonmi-gu  
Bucheon-si, Gyeonggi-do 14549, Republic of Korea.) and  
KIMIN  
INC., a company organized and existing under the laws of the  
Republic of Korean, (whose legal address is Rm.1312  
(Yangjae-dong, HIBRAND)  
13<sup>th</sup> floor Living Complex 16,  
Maeheon-ro Seocho-gu Seoul  
06771, Republic of Korea.)  
Priority: KR 10- 2016-0060008  
Dated: 17/05/2016
- Abstract:** The present invention relates to an animal feed additive which enhances the utilization efficiency in the body of fat, and to method for using the same, wherein the animal feed additive of the present invention increases the utilization efficiency in the body of fat present in feed for livestock, thereby reducing the amount of fat required in feed and enhancing productivity.
- 105/2017 CALIK DENIM TEKSTIL Woven fabric which feels like a knitted fabric and method of  
SAN. VETIC. A.S. a corporation production thereof.  
organized and existing under the IPC: D 03D 13/00,15/04  
laws of Turkey, (whose legal  
address is keresteciler Sitesi,  
fatih Caddesi, Ladin Sokak No:  
17 Merter Gungoren,  
Istanbul,Turkey, turkey)  
Priority: EP 16164695.5  
Dated: 11/04/2016
- Abstract:** Woven fabric, particularly a warp faced fabric, such as a denim fabric, comprising a front and a back, a plurality of picks extending in weft direction and a plurality of warp yarns extending in warp direction and bypassing picks at their front side to define over portions and bypassing picks at their back side to define under portions, wherein said plurality of warp yarns comprise frontside warp yarns and backside warp yarns, and the under portions of the backside warp yarns bypass more picks than the under portions of the frontside warp yarns.
- 111/2017 BRITISH AMERICAN APPARATUS AND METHOD FOR USE IN A FLUE-  
TOBACCO (INVESTMENTS) CURED BARN.  
LIMITED, a company organized and existing under the laws of  
United Kingdom, (whose legal  
address is Globe House, 1  
Water street, London, WC2R  
3LA, United Kingdom.) Priority:  
GB 1608317.2  
Dated: 12/05/2016
- Abstract:** The present disclosure provides a method and apparatus for use in a flue-cured barn. The apparatus comprises a combustion chamber for burning fuel; an exhaust pipe for allowing combustion gases to leave the combustion chamber; and a fan for drawing the combustion gases along the exhaust pipe away from the combustion chamber and for generating a negative pressure within the combustion chamber and exhaust pipe compared with the pressure outside the apparatus.

- 115/2017 Arvind Limited, a company organized and existing under the laws of India, (whose legal address is Naroda Road, Ahmedabad-380025, India.)  
Priority: IN 201621015769  
Dated: 05/05/2016
- A WRINKLE-FREE WOVEN STRETCH FABRIC AND A METHOD FOR MANUFACTURING THE SAME  
*IPC: D 03D 15/08*  
**1006083**
- Abstract:** Described here in various embodiments is a stretchable yarn, a stretchable fabric made of the stretchable yarn, and a wrinkle-free stretchable garments having the stretchable fabric or manufactured from the stretchable fabric. Said stretchable yarn comprises a core yarn and staple fibres wherein the core yarn manufactured by interlining a filament and an elastomeric yarn and said core yarn is bled with the staple fibers.
- 116/2017 LAKSHMI MACHING WORKS LTD., a company organized and existing under the laws of India, (whose legal address is perianaickenpalayam, Coimbatore-641020, Tamil Nadu, India.)  
Priority: IN 201641015641  
Dated: 05/05/2016
- A FASTENING MEMBER FOR FIXING A CLOTHING STRIP ON A FLAT BAR OF CARDING MACHINE  
*IPC: D 01G 15/92*  
**1006073**
- Abstract:** The present disclosure discloses a fastening member for fixing a clothing strip on a flat bar of a carding machine. The fastening member comprises a first connecting portion, connectable to the flat bar, and a second connecting portion extending from the first connecting portion. The second connecting portion is adapted to hold the clothing strip. The fastening member is made of a material having thermal expansion coefficient lesser than thermal expansion coefficient of material of the flat bar. The fastening member of the present disclosure, maintains uniform carding gap between the flat bar assembly and the carding cylinder, when there is an increase in temperature during operation of the carding machine.
- 117/2017 Muhammad Mustafizur Rahman Khan, a Bangladeshi national (whose legal address is 278/A, East Nakhalpara, Tejgaon, Dhaka-1208, Bangladesh ) and Bangladesh & Grey Advertising Bangladesh Limited, a limited company organized and existing under the laws of Bangladesh. (whose legal address is House 6 (5<sup>th</sup> Floor), Road 137, Block SE (D), Gulsan-1, Dhaka-1212, Bangladesh)
- INTEGRATED PRESSURE BASED GAS VALVE & METHOD OF CONTROLLED MECHANISM FOR GAS BURNER.  
*IPC: F 16K 31/02, 31/04, F 23N 1/00, F 24C 3/12*  
**1006084**
- Abstract:** Provided is an integrated pressure based gas saving burner which comprises the main stainless steel plate houses the adjustable hole for the lever which stabilizing metal plate and adjusts two way limit valve's height that is connected to a gas out port and a gas in port. The stabilizing metal plate is held in place with two rows of stabilizing screws & nuts and the pressure mechanism works through a combination of the front-end switch back-end switch and anti-heat transfer fiber board items to can be housed on any stove body; Once the knob is turned on and a utensil is being placed on the stove activates the pressure mechanism allowing the free flow of gas.

122/2017 Sembcorp Marine Integrated Yard Pte Ltd. A Corporation incorporated in Singapore. (whose legal address is 29 Tanjong Kling Road, Singapore 628054, Singapore.) Priority: NO 20160906  
Dated: 26/05/2016

PROCESS FOR INSTALLATION OF A SEABED TERMINAL FOR DRILLING AND ESTABLISHING HYDROCARBON WELLS.

IPC: B 63B 35/44, E 02B 17/00

**1006088**

**Abstract:** This disclosure relates to a method and a seabed supported base structure for providing a shallow water drilling terminal, where a prefabricated floating seabed substructure is towed to site and ballasted to rest on the seabed and/or piled to the seabed forming a seabed foundation. The seabed supported base structure is provided with at least one cantilevered unit with openings for drilling of wells, projecting sideways out from the exterior side of a vertical wall, terminated above sea level. A prefabricated floating drilling module provided with an outrigger with sidewise movable drilling device is towed to the site and guided into the seabed substructure through an opening in the wall structure at the periphery of the base structure and ballasted and mated onto the seabed base structure, whereupon wells are drilled from the drilling gear on the outrigger. Upon completed drilling and completion operation of the wells, the drilling unit is removed and is substituted by a production unit.

139/2017 METAL ENGINEERING & TREATMENT CO. PVT. LTD. (METCO), a corporation organized and existing under the laws of India, (whose legal address is 42B, Motilal Basak Lane, Kolkata-700 054, West Bengal, India, and also having registered office at Jessore Road, P.O.-Ganganagar, North-24-Parganas, West Bengal-700132, India) and INDIAN INSTITUTE OF ECHNOLOGY, GUWAHATI, a corporation organized and existing under the laws of India, (whose legal address is Near DouL Gobinda Road, Amingaon, North Guwahati, Guwahati 781039, Assam, India.)  
Priority: IN 201631021115  
Dated: 20/06/2016

ELASTOMERIC SEISMIC ISOLATOR WITH HIGH DAMPING CAPACITY AND MANUFACTURING METHOD THEREOF.

IPC: E 04H 9/02, F 16F 1/30

**1006094**

**Abstract:** A process for manufacture of elastomeric seismic isolator comprises of the steps of: preparing a steel mould box with the required dimensions so as to obtain the final product of elastomeric isolator;

the elastomeric vulcanizate sheet and the composite layer of Nitowrap carbon fibre system alternately in the mould box starting with the elastomeric vulcanizate sheet, this process being continued until the required height of the elastomeric isolator is obtained, ensuring that the final layer is composite elastomeric vulcanizate;

and-vulcanizing the mould box with a pressure of 100 kg/cm<sup>2</sup> at 140°C and keeping it first for 2½ hours for curing and then keeping the vulcanized Isolator on a wooden block for 72 hours.

- 140/2017 XEDA INTERNATIONAL S. A, a corporation organized and existing under the laws of France, (whose legal address is Zone Artisanale la Crau Route Nationale 7, 13670 SAINT ANDIOL, France) Priority: FR 16 55735 Dated: 20/06/2016
- SPROUT-INHIBITING TREATMENT BY VAPORIZED ALCOHOL.  
*IPC: A 01N 33/02*  
**1006091**
- Abstract:** The method comprises the treatment of fruits and vegetables, by applying a C3-C9 alcohol as a vapor.
- 141/2017 XEDA INTERNATIONAL S. A., a company organized under the laws of France, (whose legal address is Zone Artisanale la Crau Route Nationale 7, 13670 SAINT ANDIOL, France) Priority: FR 16 55717 Dated: 20/06/2016 and FR 16 58046 Dated: 30/08/2016
- PROCESS AND ASSEMBLY FOR THE TREATMENT OF THE ATMOSPHERE OF A PLANT PRODUCT STORAGE.  
*IPC: A 23B 7/152*  
**1006092**
- Abstract:** The method for treating the atmosphere of a storage of vegetable products has a volume greater than 200 m<sup>3</sup>, the method comprising at least one step of contacting the atmosphere with a liquid flow by circulation in a packed bed.
- 143/2017 North Carolina State University, a corporation organized and existing under the laws of U.S.A., (whose legal address is 1021 Main Campus Drive Suite 400, Campus Box 8210, Raleigh NC 27695-8, United States of America.) Priority: US 62/353, 130 Dated: 22/06/2016
- METHOD FOR INCREASING NITROGEN-USE EFFICIENCY AND/OR NITROGEN UTILIZATION EFFICIENCY IN PLANTS.  
*IPC: C 12N 15/82, 9/50*  
**1006061**
- Abstract:** The present invention provides a method for increasing nitrogen-use efficiency and/or nitrogen utilisation efficiency in a plant comprising modifying the plant by increasing the activity or expression of an ethylene-dependent gravitropism-deficient and yellow green protein (EGY) in said plant.
- 145/2017 CDP innovations Pty Ltd., a Limited Company Incorporated in Australia, (whose legal address is Unit 11 K1 16 Innovation Parkway, Birtinya QLD 4575, Australia.) Priority: AU 2016902509 Dated: 27/06/2016
- A METHOD FOR THE PRODUCTION OF DIESEL.  
*IPC: C 07C 4/06, C 10B 53/07, C 10G 1/10*  
**1006071**
- Abstract:** A method for preparing feed material for a catalytic depolymerisation process, the method comprising the steps of: separating feedstock into two or more feedstock streams based on one or more properties of the feedstock, introducing each of the two or more feedstock streams into one or more process vessels, processing the feedstock streams in the presence of a catalyst in process vessels under conditions of elevated temperature in order to produce two or more intermediate feedstock streams and blending the two or more intermediate feedstock streams to form the feed material.



148/2017 Ningbo Cixing Co., Ltd., a corporation organized and existing under the laws of China, (whose legal address is 6 Baisha Rd., Cixi, Zhejiang, China.) Priority: CN 201610521161.4 Dated: 05/07/2016

PUSH PIN TRIANGLE ASSEMBLY IN FLAT  
KNITTING MACHINE.

IPC: D 04B 15/36

**1006076**

**Abstract:** The present invention discloses a push pin triangle assembly in a flat knitting machine. A motor is mounted on a fixed frame; a connecting rod cam is mounted on a motor shaft; a vertically disposed driving groove is formed in the middle of a push pin connecting rod; a first movable groove and a second movable groove are respectively formed in the left and right sides of the push pin connecting rod; a driving shaft is mounted on the connecting rod cam and is disposed in the driving groove; movable shafts are fixed on two push pin triangles and are respectively placed in the first movable groove and the second movable groove; the first movable groove and the second movable groove are formed through cross-connection of a plurality of horizontal grooves and inclining grooves; the horizontal grooves are disposed in an up gear and a down gear; the push pin triangles are switched between the up gear and the down gear. According to the push pin triangle assembly, the connecting rod cam is driven by the motor, so that the connecting rod cam move backwards and forwards within the range of 180 of degrees, the push pin connecting rod moves left and right, and many movement combination modes of the two push pin triangles are realized by employing shapes of the two movable grooves in the push pin connecting rod.

150/2017 BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, a corporation organized and existing under the laws of United kingdom, (whose legal address is Globe House, 1 Water Street, London, WC2R 3LA, United Kingdom.) Priority: GB 1611596.6 Dated: 04/07/2016

APPARATUS AND METHOD FOR CLASSIFYING A TOBACCO SAMPLE INTO ONE OF A PREDEFINED SET OF TASTE CATEGORIES.

IPC: A 24B 15/00, G 01N 30/72

**1006079**

**Abstract:** A method and apparatus are provided for classifying a tobacco sample of a particular tobacco type into one of a predefined set of taste categories for that tobacco type. The method comprises acquiring mass spectrometry data from the tobacco sample; identifying from the acquired mass spectrometry data a plurality of chemical components and their respective content levels within the tobacco sample; and assigning the tobacco sample to one of the predefined set of taste categories for that tobacco type based on the plurality of chemical components and their respective content levels identified within the tobacco sample, using a statistical multivariate regression model that represents a relationship between the chemical components and the taste categories.

153/2017 LONATI S.P.A, a Joint Stock company of (whose legal address is Via Francesco Lonati, 3 25124 BRESCIA, Italy) Priority: IT 102016000072994 Dated: 13/07/2016

PICKUP DEVICE FOR PICKING UP AND TRANSFERRING A KNITTED TUBULAR MANUFACTURE FROM A CIRCULAR KNITTING MACHINE.

IPC: D 04B 15/02, 9/40

**1006087**

**Abstract:** A pickup device for picking up a knitted tubular manufacture from a circular knitting machine for hosiery or the like and for transferring it to a unit adapted to perform additional operations on the manufacture, comprising an annular pickup body that supports a plurality of pickup elements, which are arranged radially around the axis of the pickup body and can slide with respect to the pickup body along radial directions; the pickup body can be arranged coaxially around the needle cylinder of a circular knitting machine for hosiery or the like, with each one of the pickup elements laterally facing a needle of the machine; actuation means being provided which act on the pickup elements for their movement along the radial directions at least from a first position, in which the pickup elements are closer to the axis of the pickup body, to a second position, in which the pickup elements are spaced further from the axis of the pickup body with respect to the first position, and vice versa; the end of each one of the pickup elements that is directed toward the axis of the pickup body is hook-shaped and forms a compartment that is adapted to receive at least one loop of knitting safety means being also provided which are associated with the pickup body and can be engaged by the end of the pickup elements in their transition from the first position to the second position in order to close the compartment.

155/2017 edotco Group Sdn. Bhd, a company organized and existing under the laws of Malaysia, (whose legal address is Level 30 Axiata Tower, 9 Jalan Stesen Sentral 5, Kuala Lumpur Sentral, 50470, Kuala Lumpur, Malaysia.) Priority: MY PI 017702305 Dated: 12/07/2016

BAMBOO TELECOMMUNICATION TOWER

IPC: E 04C 3/00, E 04H 12/00, H 04W 88/00

**1006098**

**Abstract:** The present invention relates to a telecommunication tower structure for use in a wireless communication network. The tower structure is constructed using selected bamboo culms whereby the culms from a lattice of vertical and horizontal members interconnected by bracing means to form support for continuous erection of tower to a desired height. The telecommunication tower is further characterized by attaching diagonal culms to the nearest vertical member. The bracing means in the telecommunication tower comprises of metal clamps and flat metal plates. The metal clamp has circular hollow pipe section positioned to receive horizontal and vertical members to form a lattice grid. The bamboo culms are pre-treated with water and chemical preservatives to avoid insect and fungal attacks. The bamboo telecommunication tower proves to be a greener and sustainable alternative to the conventional telecommunication towers.

- 160/2017 ERKE ERKE  
ARASTIRMALARI VE  
MUHENDISLIK A.S., a  
company duly organized and  
existing under the laws of  
Turkey, (whose legal address  
is HALKALI MERKEZ  
MAH. BASIN EKSPRES  
CAD. NO: 5, KAT: 5, 34303  
KUCUKCEMECE,  
ISTAMBUL, TURKEY,  
Turkey.) Priority: EP  
PCT/EP2016/067256  
Dated: 20/07/2016
- A BRAKING DEVICE TO REDUCE THE SPEED OF A  
VEHICLE APPLYING TORQUE.  
*IPC: B 60T1/06 1/12, 13/06*  
**1006090**  
**Abstract:** The present invention relates to a braking device and method, and particularly but not exclusively relates to gyroscopic braking device and method. A braking device comprising a body mounted for rotation about a first axis; means for rotating the body about the first axis; comprises a second axis, a third axis and a fourth axis, the braking device being configured as to enable the body to further rotate about the second axis and the third axis, the first axis being oriented with respect to the second axis at an alpha angle which is greater than 0 degrees, the second axis being oriented with respect to the fourth axis at a beta angle which is greater than 0 degrees and less than 90 degrees, the third axis being the precession axis about which the precession of the body occurs as a result of rotating the body about the first axis and applying torque to the body about the second axis.
- 167/2017 TVS MOTOR COMPANY  
LIMITED, a company duly  
organized and existing under  
the laws of India, (whose legal  
address is “Jayalakshmi  
Estates”, NO. 29 (Old No. 8),  
Haddows Road, Chennai 600  
006, India) Priority: IN  
201641026474  
Dated: 03/08/2016
- AN EXHAUST GAS RECIRCULATION SYSTEM  
FOR AN INTERNAL COMBUSTION ENGINE.  
*IPC: F 02M 26/00*  
**1006095**  
**Abstract:** The present invention relates to an internal combustion engine comprising of a camshaft. The camshaft comprises of an elevated portion formed on either one of an EGR lobe and an EGR pin. The EGR lobe or the EGR pin rotates along an arm mounted over the camshaft. The further rotation of the EGR lobe or the EGR pin causes the lifting portion, to come in contact with the exhaust side roller and exhaust side arm, which further causes the lifting portion, to lift the exhaust side roller and the exhaust side arm resulting in an opening of the exhaust valve. The opening of the exhaust valve and the inlet valve are overlapped for an efficient exhaust gas recirculation.
- 168/2017 TVS MOTOR COMPANY  
LIMITED, a company duly  
organized and existing under  
the laws of India, (whose legal  
address is “Jayalakshmi  
Estates”, No. 29 (Old No.8),  
Haddows Road, Chennai 600  
006, India.) Priority:  
IN 201641026943  
Dated: 08/08/2016
- AN INTAKE SYSTEM FOR A TWO WHEELED VEHICLE.  
*IPC: B 62K 11/06, B 62M 7/04, F 02D 9/02, F 02M 35/16*  
**1006096**  
**Abstract:** The present invention discloses a two wheeled vehicle comprising a low slung internal combustion engine disposed below a second portion of the two wheeled vehicle having a step-through space. A detachable floorboard covers the upper portion of the second portion. An air cleaner is disposed towards the front of the IC engine and an intake passage connects the air cleaner and the IC engine. A throttle body is disposed on the intake passage configured to control

air flow rate drawn from the air cleaner. Further, a fuel injection valve is configured to direct fuel inside an intake port of the IC engine and is disposed downstream of the throttle body on the intake passage. The throttle body and said fuel injection valve is disposed in a space formed below the detachable floorboard and located substantially upwardly sideward to said second portion. This arrangement provides easy accessibility and improved fuel spray characteristics of the two wheeled vehicle.

169/2017 LINA NIK COMOANY.  
A company organized and existing under the laws of Iran, (whose legal address is Block G, Shokouhieh Industrial Township Gom, 3738115471, Iran (Islamic Republic of)  
Priority:

PROCESS OF PRODUCTION OF POPCORN  
PRODUCTS FROM CORNMEAL.

*IPC:* A 23L 1/105, 1/18

**1006085**

**Abstract:** The embodiments herein provide a puffed and extruded popcorn product synthesized from cornmeal. The popcorn product is similar in appearance, texture and flavor that of a regular popcorn. A cornmeal is mixed with water to obtain a mixture. The cornmeal is cooked under high temperature and pressure. The cornmeal is passed to the die holes provided at the end of the extruder by the hammer type twin extrusion screws. The corn is extruded out of the holes at a high velocity to obtain a corn product of irregular shape. The corn product into several pieces of desired length by a cutter. The cut pieces are dried with a drier before packaging.

175/2017 XEROS LIMITED,  
a corporation organized and existing under the laws of United Kingdom (whose legal address is Unit 2, Advanced Manufacturing Park, Whittle Way, Catcliffe, Rotherham. South Yorkshire S60 5BL, United Kingdom.)  
Priority: GB 1613970.1  
Dated: 15/08/2016

METHOD FOR APPLYING A TREATMENT AGENT  
TO A TEXTILE OR FIBRE SUBSTRATE.

*IPC:* A 01N 43/80, D 06L 1/20, 4/40, D 06M 13/00

**1006074**

**Abstract:** A method for applying a treatment agent to a substrate, wherein the treatment agent is bound to a solid polymeric particle at a first pH, and wherein the substrate is contacted with the solid polymeric treatment particles under conditions such that the treatment agent is released from solid polymeric treatment particles.

201/2017 LAKSHMI MACHINE  
WORKS LTD, A company organized and existing under the laws of India, (whose legal address is Perianaickenpalayam, Coimbatore 641020, Tamil Nadu India.)  
Priority: IN 201641034128  
Dated: 04-10-2016

DRIVE ARRANGEMENT FOR COMBING MACHINE

*IPC:* D 01G 19/16, 19/26

**1006089**

**Abstract:** A drive mechanism of a textile combing machine comprising a machine frame; a main motor placed at one end of the machine frame; a plurality of nipper drive mechanisms, and a plurality of circular comb drive mechanisms placed at both end of the machine frame driven by said main motor; wherein a carrier shaft driven by main motor drives the detaching rollers, through a differential gear unit.

- 213/2017 Telefonaktiebolaget LM  
Ericsson (publ), a corporation  
organized and existing under  
the laws of Sweden, (whose  
legal address is SE-164 83  
Stockholm, Sweden.)  
Priority: SE  
PCT/SE2017/050924  
Dated: 25-09-2017 and US  
62/402, 513  
Dated: 30-09-2016
- SIGNALING OF TRANSMISSIONS WITH  
SHORTENED TTI.  
*IPC: H 04W 72/12*  
**1006099**
- Abstract:** The disclosure relates to signalling of transmissions with shortened TTI. The disclosure further relates to an RBS and a method performed at the RBS of scheduling resources for a wireless communication device. The disclosure still further relates to a wireless communication device and a method performed at the wireless communication device of being granted data transmission or data reception. In a first aspect of the disclosure, a method performed at an RBS is provided of scheduling resources for a wireless communication device comprising indicating a grant of a resource for the wireless communication device to transmit or receive databased on DCI and a position of said DCI within a data frame of a downlink control channel.
- 221/2017 Telefonaktiebolaget LM  
Ericsson (Publ), a corporation  
organized and existing under  
the laws of Sweden, (whose  
legal address is SE-164 83  
Stockholm, Sweden.)  
Priority: CN PCT/CN2016/  
103776  
Dated: 28-10-2016
- Advanced switching policies for e MBMS Mood.  
*IPC: H 04W 72/00*  
**1006097**
- Abstract:** The invention relates to a BMSC in an MBMS system with improved unicast/broadcast switching comprising a broadcast decision, counting and aggregation functions taking into account resources available for broadcasting, importance and priority of content, QoS requirements for content as well as trends in consuming of content. The invention further relates to a BMSC server and software products implementation as well as a watchdog implementation providing the improvements,
- 264/2017 DyStar Colours Distribution  
GmbH. (A German  
Company.) (whose legal  
address is Am Prime Parc  
10-12, D-65479 Raunheim,  
Germany) Priority:  
EP16204228.7  
Dated: 15-12-2016
- Basic dye mixtures for Aramid fibres.  
*IPC: C 09B 67/22*  
**1006077**
- Abstract:** The present invention is directed to dye mixtures comprising structures of formula, and/or, their production and their use for dyeing textiles and in particular for dyeing aramid fibres.
- 274/2017 GROZ-BECKERT KG,  
a corporation organized and  
existing under the laws of  
Germany, (whose legal address  
is Parkweg 2, 72458 Albstadt,  
Germany,  
Priority: DE 10 2016 124 293.4  
Dated: 14-12-2016
- Device and method for handling fragments of a broken  
needle.  
*IPC: D 05B 81/00, A 41H 31/00*  
**1006086**
- Abstract:** The invention relates to a device and a method for handling fragments of a broken needle, for example within the scope of a needle replacement of a broken needle for a new needle. The fragments of the broken needle are arranged in a container in a predefined position. An image of the fragments of the broken needle is then recorded with the aid of a camera. The recorded image is stored at least at one storage location for documentation and/or is evaluated in order to determine whether all fragments of the broken needle are present. Once the image has been recorded, the container is closed so as to prevent the fragments of the needle from being lost away from the sewing workstation.

- 55/2018 Novozymes A/S, a Company incorporated under the laws of Denmark, (whose legal address is Kroghoejvej 36, DK-2880 Bagsvaerd, Denmark) Priority: CN PCT/CN2015/082480 Dated: 26/06/2015
- A Process for biofinishing a cellulose-containing textile.  
IPC: C12N 15/56, 9/42, D 06M 16/00  
**1005961**
- Abstract:** The present invention relates to a process for treating a cellulose-containing textile comprising biofinishing the cellulose-containing textile with a biofinishing system comprising a combination of cellulases, in particular a biofinishing system comprising an enzyme composition the enzyme composition comprising a first polypeptide having GH45 cellulase activity and biofinishing activity, and a second polypeptide having GH45 cellulase activity and biofinishing activity, wherein the first polypeptide and the second polypeptide exhibits synergy in an assay that measures biofinishing activity; and wherein the first polypeptide is in an amount of from about 5% to 1000% by weight of the second polypeptide.
- 85/2018 GROZ-BECKERT KG, a corporation organized and existing under the laws of Germany, (whose legal address is Parkweg 2, 72458 Albstadt, Germany, Priority: EP 17176608.2 Dated: 19-06-2017
- Machine knitting tool, in particular machine knitting needle.  
IPC: D 04B 15/00, 15/30, 35/02, 35/04  
**1006100**
- Abstract:** The invention relates to a machine knitting tool and in particular a machine knitting needle having a shank extending in the longitudinal direction. The machine knitting tool has a stitch-forming portion directly adjacently to a front end and a drive portion directly adjacently to a rear end. At least in the drive portion, an underside of the shank does not have any indentations or recesses and extends along a plane. The shank in the drive portion forms at least one rib portion with a rib height, which is at most 1.1 mm. In addition, the shank in the drive portion forms at least one support elevation, which extends in the height direction beyond the rib height of the at least one rib portion and has an elevation height at its point of maximum height.
- 136/2018 LONATI S.P.A, a Joint Stock company, (whose legal address is Via Francesco Lonati, 3 25124 BRESCIA, Italy) Priority: IT 102017000057890 Dated: 29-05-2017
- DEVICE FOR FEEDING YARN OR YARNS FOR KNITTING MACHINES FOR HOSIERY OR THE LIKE.  
IPC: D 04B 15/54, 15/58  
**1006101**
- Abstract:** A device for feeding yarn or yarns for knitting machines for hosiery or the like, comprising a supporting structure which supports at least one yarn finger having an elongated shape and being pivoted, at an intermediate portion thereof, to the supporting structure about a corresponding rotation axis and having, proximate to a longitudinal end thereof, a passage for the yarn or yarns to be fed to the needles of the knitting forming machine, the device for feeding yarn or yarns comprising an electromagnetically actuated device which acts on command on the at least one yarn finger for its rotation, with respect to the supporting structure, about the corresponding rotation axis, from an inactive position to at least one active position, which is angularly space with respect to the inactive position about the rotation axis, or vice versa, the electromagnetically actuated device comprising at least one magnet which is fixed to the at least one yarn finger and at least one electric coil, which is laterally adjacent to the at least one yarn finger and is connected to the supporting structure. The at least one electric coil, is able to be supplied electrically to generate a magnetic field that interacts with the at least one magnet to actuate the rotation of the at least one yarn finger about the corresponding rotation axis with respect to the supporting structure.

- 302/2018 CDP Innovations Pty Ltd.  
a Limited Company,  
Incorporated in Australia.  
(whose legal address is Unit  
11 K1 16 Innovation Parkway,  
Birtinya QLD 4575, Australia,  
Priority: AU 2016902509  
Dated: 27-06-2016
- A METHOD FOR THE PRODUCTION OF DIESEL.  
*IPC: C 07C 4/06, C 10B 53/07, C 10G 1/10*  
**1006072**
- Abstract:** A method for preparing feed material for a catalytic depolymerisation process, the method comprising the steps of: separating feedstock into two or more feedstock streams based on one or more properties of the feedstock, introducing each of the two or more feedstock streams into one or more process vessels, processing the feedstock streams in the presence of a catalyst in the process vessels under conditions of elevated temperature in order to produce two or more intermediate feedstock streams, and blending the two or more intermediate feedstock streams to form the feed material.
- 336/2018 JDC CORPORATION, a  
corporation organized and  
existing under the laws of  
Japan, (whose legal address is  
9-9, Akasaka 4-chome,  
Minato-ku, Tokyo, 1078466,  
Japan.) Priority: JP JP2016-  
253376 Dated: 27-12-2016
- LAYERED DOUBLE HYDROXIDE PRODUCING  
METHOD WITH IMPROVED ADSORPTION  
PERFORMANCE.  
*IPC: C 01F 7/0*  
**1006066**
- Abstract:** Provided is a layered double hydroxide which has a general expression that is expressed as  $M2^{+1-x}M3^{+x}(OH)_2(An^{-})_x/n \cdot mH_2O$  (where  $M2^{+}$  is a divalent metal ion,  $M3^{+}$  is a trivalent metal ion,  $An^{-}$  is an n-valence anion, and  $0 < x < 1$ , and  $m > 0$ ), and which has a crystallite size of equal to or smaller than 20nm. In addition, also provided is a water purification apparatus that includes a polluted substance remover which removes a polluted substance by the layered double hydroxide.
- 337/2018 JDC CORPORATION, a  
corporation organized and  
existing under the laws of  
Japan, (whose legal address is  
9-9, Akasaka 4-chome,  
Minato-ku, Tokyo, 1078466,  
Japan.) Priority: JP JP2016-  
253376 Dated: 27-12-2016
- WATER PURIFICATION APPARATUS USING  
LAYERED DOUBLE HYDROXIDE WITH  
IMPROVED ADSORPTION PERFORMANCE,  
*IPC: C 01F 7/0*  
**1006067**
- Abstract:** Provided is a layered double hydroxide which has a general expression that is expressed as  $M2^{+1-x}M3^{+x}(OH)_2(An^{-})_x/n \cdot mH_2O$  (where  $M2^{+}$  is a divalent metal ion,  $M3^{+}$  is a trivalent metal ion,  $An^{-}$  is an n-valence anion, and  $0 < x < 1$ , and  $m > 0$ ), and which has a crystallite size of equal to or smaller than 20nm. In addition, also provided is a water purification apparatus that includes a polluted substance remover which removes a polluted substance by the layered double hydroxide.
- 338/2018 JDC CORPORATION, a  
corporation organized and  
existing under the laws of  
Japan, (whose legal address is  
9-9, Akasaka 4-chome,  
Minato-ku, Tokyo, 1078466,  
Japan.) Priority: JP JP2016-  
253376 Dated: 27-12-2016
- WATER PURIFICATION METHOD USING LAYERED  
DOUBLE HYDROXIDE WITH IMPROVED  
ADSORPTION PERFORMANCE,  
*IPC: C 01F 7/0*  
**1006068**
- Abstract:** provided is a layered double hydroxide which has a general expression that is expressed as  $M2^{+1-x}M3^{+x}(OH)_2(An^{-})_x/n \cdot mH_2O$  (where  $M2^{+}$  is a divalent metal ion,  $M3^{+}$  is a trivalent metal ion,  $An^{-}$  is an n-valence anion, and  $0 < x < 1$ , and  $m > 0$ ), and which has a crystallite size of equal to or smaller than 20nm. In addition, also provided is a water purification apparatus that includes a polluted substance remover which removes a polluted substance by the layered double hydroxide.

AKM SHOWKAT ALAM MOZUMDER  
Deputy Registrar.