

মঞ্চুরুক্ত পেটেন্ট দরখাস্ত

Granted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, বাংলাদেশ পেটেন্ট আইন, ২০২২ এর ধারা ১৮ (২)(ক) মোতাবেক মঞ্চুরুক্ত পেটেন্ট দরখাস্ত সমূহ প্রকাশ করা হইল। উল্লেখিত পেটেন্ট আবেদন সম্পর্কীয় উন্নাবনের জন্য পেটেন্ট মঞ্চুরির বিরুদ্ধে যে কোন ব্যক্তি বা প্রতিষ্ঠান বিদ্যমান আইন মোতাবেক প্রকাশনার তারিখ হইতে ৯০ (নবই) দিনের মধ্যে নির্ধারিত ফরম এর মাধ্যমে বিরোধিতার নোটিশ দাখিল করিতে পারিবেন।

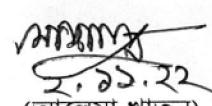
এখানে প্রদর্শিত ৭ (সাত) অংক বিশিষ্ট সংখ্যা মঞ্চুরুক্ত পেটেন্ট নম্বর হিসেবে গণ্য পূর্বক ডিপিডিটি'র ওয়েবসাইটে প্রকাশিত হ'ল এবং পরবর্তী কায়র্ক্রম গ্রহণ করা হইবে।

উক্ত প্রকাশনা সম্পর্কিত বা যে কোন তথ্য প্রাপ্তির নিমিত্ত যে কেউ রেজিস্ট্রার, পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর বরাবর যোগাযোগ করিবেন।

Notice is hereby given that the granted patent applications are required to be published on the website of DPDT as required by section 18(2)(ka). Any person/institution may file an opposition against the granted patent(s) within 90 (Ninety) days, from the date of publication as per existing patent Act.

Here, the number bearing 7 (seven) digits are denoted as Granted Patent number & has published on the official website of DPDT for further proceedings accordingly.

Enquiries relating to the published documents or any other information as required by the public should be addressed to the Registrar of Patents, Desgins and Trademarks.


২.১.২২
(আলেয়া খাতুন)
ডেপুটি রেজিস্ট্রার (পেটেন্ট এন্ড ডিজাইন)
ডিপিডিটি
ফোনঃ ৯৫১১৪১৪
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Serial No	Patent Application		
	Application No:	Year	Patent Number
1	180	2020	1006621
2	181	2020	1006622
3	185	2020	1006623
4	186	2020	1006624
5	187	2020	1006625
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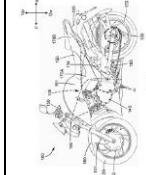
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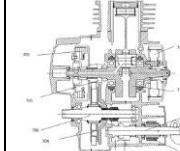
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
1.	1006621	A Straddle ride-type vehicle.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) Lakshmanan SUBRAMANIAN, Nationality: Indian;; (2) Anand Motilal PATIL, Nationality: Indian;; (3) Satyanarayana Murthy YEGGINA, Nationality: Indian and and (4) S. JAYARAM, Nationality: Indian.	09/06/2020 BD/P/ 2020/180	IN 20194102404 6 18/06/2019	F 02D 7/00	The present subject matter relates to a straddle ride-type vehicle. A frame member including a main frame (107), and the main frame (107) is having a first portion (107A) extending rearward from the head pipe and at least one second portion (107B) extending downward from a rear end portion of the first portion (107A). The power unit (140) is disposed under the first portion (107A) of the main frame (107) and in front of the at least one second portion (107B). An air cleaner (115) having at least a portion of disposed behind the at least one second portion (107B) of the main frame (107). An energy storage unit (125) capable of providing electrical energy to one or more electrical component(s) (146, 147) is disposed between a cylinder head (143) of the power unit (140) and the air cleaner (115), in a plan view of said vehicle (100).	



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2.	1006622	A CRACKING TORQUE ACTUATION DEVICE AND LUBRICATION SYSTEM FOR A VEHICLE OF ENGINE.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) Kandregula SRINIVASA RAO, Nationality: Indian and and (2) Thangaraj BOOPATHI RAJ, Nationality: Indian.	09/06/2020 BD/P/ 2020/181	IN 20194102404 8 18/06/2019	F 02D 7/00	The present invention relates to an engine having a crankcase enclosing a transmission assembly including a crankshaft and a clutch member, and a crank torque actuation device (A). The cranking torque actuation device includes at least one driven shaft (311) mounted on a cover having a lubrication path, at least one axially movable ratchet gear (310) mounted on said driven shaft (311), at least one ratchet nut (312), said ratchet nut (312) mounted on the crankshaft (302), at least one oil seal member (313) disposed between the ratchet nut (312) and the driven shaft (311), and at least one idler gear (309) drivingly connecting a drive gear (306) and the ratchet gear (310). Said ratchet gear (310) rotates about an axis of driven shaft (311) with a predetermined movement to engage with a complementary shaped ratchet portion (312a).	



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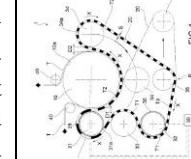
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3.	1006623	SINGLE ACTION CONVERTIBLE UTILITY KNIFE AND SCRAPER.	Toughbuilt Industries, Inc., Nationality: an American National, (2) Joshua Keeler, Nationality: an American National. and (1) Michael H. Panosian, Nationality: an American National and	11/06/2020 BD/P/ 2020/185	US 16506186 09/07/2019	B 26B 1/08, 11/00, 5/00	A single-action convertible utility knife and scraper includes a carriage and a slide mechanism slidably mounted within a housing. A blade support is pivotally mounted on the carriage for movements of a blade between cutting and scraper orientations. The carriage and the slide mechanism can be moved by an external button between a retracted position wherein the blade support is fully retracted within the housing, an extended position wherein the blade support is in an operative cutting or scraping position and a conversion position wherein the blade support is moved forwardly of the extended position to enable the blade support to transition from one orientation to another while clearing the housing. A bi-stable mechanism alternately pivots the blade support between the first and second orientations when the external button is successively advanced to move the slide mechanism forwardly beyond the extended position to incrementally advanced positions.	



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4.	1006624	APPARATUS FOR COMPACTING A CONTINUOUS TEXTILE SUBSTRATE BY MEANS OF ELASTIC BELT.	SANTEX RIMAR GROUP S.R.L., a Company incorporated under the laws of Italy,	15/06/2020 BD/P/ 2020/186	IT 10201900000 9201 17/06/2019	D 06C 21/00	The invention relates to an apparatus for compacting a continuous textile substrate (T) by means of elastic belt. The apparatus (1) comprises: - a heatable rotating cylinder (10); - an endless belt (20) movable along a closed path to support and transport the textile substrate (T) in contact with a side surface portion (10a) of said heatable rotating cylinder (10), said belt being elastically deformable in elongation; - a roller system (31, 32, 33, 34, 35) on which said belt (20) is wound in an elongation pretensioning state. The roller system comprises a plurality of idle return rollers (33, 34, 35) and a plurality of motorized rollers (31, 32) operable so as to make said belt (20) slide along said closed path imposing on said belt an additional elongation tension state at a first section (T1) of said path extending - with respect to an advancement direction (X) of the belt - upstream of a second section (T2) of said path in which said belt (20) is maintained in contact with the rotating cylinder. The apparatus (1) comprises means (40) for guiding the textile substrate (T) between the belt (20) and said heatable cylinder (10) along said second section (T2) of said path. The roller system comprises a motorized drive roller (31), a motorized brake roller (32), a first idle return roller (33),	

which is arranged between said motorized brake roller and said motorized brake roller, and a second idle return roller (34). The first section (T1) of the path extends between the motorized brake roller (32) and the motorized drive roller (31), passing in partial winding around the first idle return roller (33), while the second section (T2) of the path extends between the motorized drive roller (31) and the second idle return roller (34). The closed path is completed by a third section (T3) extending between the second idle return roller (34) and the motorized brake roller (32). In use along the third section (T3) of the path, the belt (20) is in a relaxed tension state with respect to the first section (T1) of the path.



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5.	1006625	APPARATUS FOR COMPACTING A CONTINUOUS TEXTILE SUBSTRATE BY MEANS OF ELASTIC BELT.	SANTEX RIMAR GROUP S.R.L., a company incorporated under the laws of Italy,	15/06/2020 BD/P/ 2020/187	IT 10201900000 9198 17/06/2019	D 06C 21/00, 7/00	The invention relates to an apparatus for compacting a continuous textile substrate (T) by means of elastic belt, comprising: - a heatable rotating cylinder (10); - an endless belt (20) movable along a closed path (P) to support and transport the textile substrate (T) in contact with a side surface portion (11) of said heatable rotating cylinder (10), said belt being elastically deformable in elongation; - a roller system (31, 32, 33, 34, 35) on which said belt (20) is wound in a state of pretensioning in elongation, wherein said roller system comprises a plurality of idle return rollers (33, 34, 35) and a plurality of motorized rollers (31, 32) which may be operated so as to slide said belt (20) along said closed path (PC), imposing on said belt an additional tensional state of elongation at a first section (T1) of said path which extends - with respect to a direction of advancement (X) of the belt - upstream of a second section (T2) of said path in which said belt (20) is kept in contact with the rotating cylinder; means (40) for guiding said textile substrate (T) between said belt (20) and said heatable cylinder (10) along said second section (T2) of said path. The apparatus comprises a system for reducing friction coefficient between the belt (20) and the heatable rotating cylinder (10), said	

							system for reducing friction coefficient comprising one or more interposition tapes (61, 62; 63) between belt and cylinder.	
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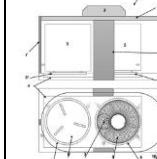
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6.	1006626	TRANSMIT FEEDBACK FOR UNLICENSED NETWORKS.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, KARAKI, Reem, Lebanese national;; WANG, Min, Swedish national.; GRANT, Stephen, American national and and DO, Tai, Vietnamese national;	15/06/2020 BD/P/ 2020/188	US 62/864,067 20/06/2019	H 04W 72/04, 74/08	A method, system and apparatus are disclosed for transmitting feedback information when operating in unlicensed portions of the radio frequency spectrum. In one embodiment, a wireless device is configured to receive a configuration for a plurality of channels, the configuration configuring each of the plurality of channels with at least one physical uplink control channel, PUCCH, resource; and transmit feedback on the at least one PUCCH resource that is configured in at least one channel of the plurality of channels. In another embodiment, a network node is configured to transmit a configuration for a plurality of channels, the configuration configuring each of the plurality of channels with at least one physical uplink control channel, PUCCH, resource; and receive feedback on the at least one PUCCH resource that is configured in at least one channel of the plurality of channels.	



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Publication of Granted Patent:
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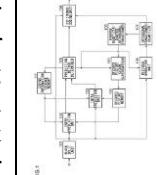
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
7.	1006629	CAN EXCHANGING APPARATUS AND A METHOD THEREOF FOR A TEXTILE SPINNING PREPARATOR Y MACHINE.	LAKSHMI MACHINE WORKS LIMITED, a company organized and existing under the laws of India, SOUNDARARAJAN BARATH KUMAR, Indian National.	17/06/2020 BD/P/ 2020/194	IN 20194102621 8 01/07/2019	D 01G 15/12, 19/06, D 01H 9/02	An apparatus and a method for automatically replacing filled canina sliver filling station (1) is disclosed. A sliver coilinghead (2) dispenses sliver through a sliver coiling plate(3) rotatably connected to the sliver coiling head(2). A first rotary can plate (8) and a second rotary can plate (8') space apart from each other the rarepresen toveratopsurfaceofaplatform (4,11). A first sliver filling can (5) is placed over the first rotarycanplate (8) and a second sliver fillingcan (9)is placed over the second rotarycan plate(8'). The first sliver fillingcan(5) or the secondsliverfillingcan(9)ispositionedvertically belowthesilvercoiling plate(3) to receive a predetermined quantity of sliver.Upon receiving the predetermined quantity of sliver, the platform(4,11) moves to position an empty can beneath the silvercoilingplate(3), to receive the sliver.	



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8.	1006627	MOVING PICTURE CODING DEVICE, MOVING PICTURE CODING METHOD, MOVING PICTURE CODING PROGRAM, MOVING PICTURE DECODING DEVICE, MOVING PICTURE DECODING METHOD, AND MOVING PICTURE DECODING PROGRAM.	JVCKenwood Corporation, Nationality: a corporation incorporated under the laws of Japan, (6) Hiroyuki KURASHIGE, Nationality: Japanese.; (1) Toru KUMAKURA, Nationality: Japanese;; (2) Shigeru FUKUSHIMA, Nationality: Japanese;; (3) Hideki TAKEHARA, Nationality: Japanese;; (4) Hiroya NAKAMURA, Nationality: Japanese; and (5) Satoru SAKAZUME, Nationality: Japanese and	21/06/2020 BD/P/ 2020/198	JP 2019- 117516 25/06/2019	H 04N 19/52, 19/593, 19/70	A picture coding device includes: a block vector candidate derivation unit that derives block vector candidates of a coding target block in a coding target picture from coding information stored in a coding information storage memory; a selector that selects a selected block vector from the block vector candidates; a storage that stores coded pictures of a predetermined number of intra block copy standard blocks immediately before the coding target block; and a reference region boundary correction unit that removes a coded picture of one intra block copy standard block in the storage from a referenceable region after completion of a coding process of the coding target block, and determines whether an upper left position and a lower right position of a reference block indicated by the selected block vector are both included in the referenceable region.	



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9.	1006637	METHOD FOR IMPLEMENTIN G AUGMENTED REALITY, MOBILE TERMINAL, AND STORAGE MEDIUM.	SHENZHEN TRANSSION HOLDINGS CO., LTD., Nationality: A Company Incorporated in China, (1) PENG, Yebin, Nationality: Chinese and and (2) ZHOU, Fanyi, Nationality: Chinese.	01/07/2020 BD/P/ 2020/211	CN 20191095295 7.9 29/09/2019	G 06F 3/01	The present disclosure provides a method for implementing augmented reality, including the following operations: obtaining posture information of a target object according to an image captured by a mobile terminal; determining a virtual element according to the posture information; and generating an augmented reality image according to the captured image and the virtual element. The present disclosure further discloses a mobile terminal and a computer readable storage medium, for simplifying the control operations of the augmented reality function of the mobile terminal.	



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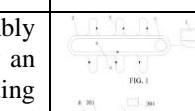
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10.	1006632	METHODS FOR MODULATING ALKALOID CONTENT IN TOBACCO BY ALTERING RNA BINDING PROTEINS.	British American Tobacco (Investments) Limited., a British company, Francisco Anastacio de Abreu e Lima, Portuguese National. and Sara Ben Khaled, Tunisian National and	05/07/2020 BD/P/ 2020/215	GB GB1909563.7 03/07/2019	C 07K 14/415, C 12N 15/82	The present invention relates to a method of modulating the alkaloid content of a plant or a part thereof, the method comprising modifying said plant by modulating the activity or expression of at least one gene encoding an RNA binding protein. The present invention also relates to a method of reducing the content of at least one tobacco specific nitrosamine (TSNA) precursor in tobacco, the method comprising modulating the activity or expression of at least one gene encoding an RNA binding protein.	



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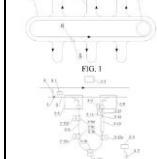
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11.	1006638	HANGING ASSEMBLY LINE CONTROL METHOD AND SYSTEM AND EXIT EXECUTION MECHANISM CONTROL METHOD.	NINGBO SUNRISE INDUSTRIAL AUTOMATION CO., LTD., A Company incorporated under the laws of China, and ZHEJIANG RUFENG INTELLIGENT INTERNET OF THINGS TECHNOLOGY CO., LTD., A Company incorporated under the laws of China,	26/07/2020 BD/P/ 2020/226	CN CN20191072 4135.5 07/08/2019	B 65G 43/00, G 05B 19/418, G 06K 17/00	The present invention discloses a hanging assembly line exit control method, including: reading, by an exit card reader, hanger information, and sending the hanger information to a host computer; and determining, by the host computer, whether a push rod currently passing through an entry card reader is empty, where if the push rod is empty, the host computer controls or controls, by using a communication data controller, an exit execution mechanism to drive a hanger to exit, the exited hanger pushed by the push rod moves on a main rail, and the host computer associates a push rod number of the push rod with a hanger number of the hanger; otherwise, the hanger does not exit; and stopping, by the exit execution mechanism, running after the hanger exits completely. The present invention also provides a hanging assembly line control system, and an exit execution mechanism control method, so as to avoid two hangers on the same push rod in the present invention.	



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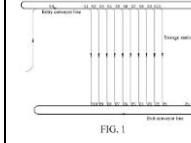
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12.	1006630	HANGING ASSEMBLY LINE WORKSTATIO N AND CONTROL METHOD THEREOF.	NINGBO SUNRISE INDUSTRIAL AUTOMATION CO., LTD., A Company incorporated under the laws of China, and ZHEJIANG RUIFENG INTELLIGENT INTERNET OF THINGS TECHNOLOGY CO., LTD., A Company incorporated under the laws of China,	26/07/2020 BD/P/ 2020/227	CN 20191072495 42/00, B 4. X 07/08/2019	A 41H 65G 35/06, G 05K 19/418	The present invention provides a hanging assembly line workstation and a control method thereof. The hanging assembly line workstation includes a plurality of entry release mechanisms, the plurality of entry release mechanisms being spaced apart on an entry branch rail; each of the entry release mechanisms is further provided with a detection apparatus configured to detect whether the entry release mechanism is filled, and in a case that a former-level entry release mechanism is unfilled, a latter-level entry release mechanism performs a release action. In the present invention, segmentation release control may be performed on hangers on the entry branch rail, which is especially applicable to a case in which adjacent material carrying apparatuses on the entry branch rail need to be spaced apart, thereby avoiding a collision or winding.	



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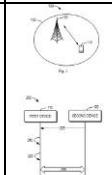
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13.	1006631	ENTRY/EXIT CONTROL METHOD FOR SORTING LINE OF HANGING SYSTEM.	NINGBO SUNRISE INDUSTRIAL AUTOMATION CO., LTD., A Company incorporated under the laws of China, and ZHEJIANG RISUN INTELLIGENT TECHNOLOGY CO., LTD., A Company incorporated under the laws of China,	26/07/2020 BD/P/ 2020/228	CN CN20191075 2946.6 15/08/2019	A 41H 42/00, G 05B 19/418	The present invention discloses an entry/exit control method for a sorting line of a hanging system, in one entry control method, carrier identification information is detected and a pulse count of an encoder is matched, so as to control the entry of storage stations, and in the other entry control method, carrier identification information and tow hook number information of tow hooks are detected, and a storage station number in the carrier identification information is compared with a current storage station number in each storage station, so as to control the entry of the storage stations. In an exit control method, a usage state of each cross arm is marked by using a virtual origin method, and the usage state of the current cross arm is detected when the storage stations exit, so as to control the exit of the storage stations. The entry/exit control method for a sorting line of a hanging system has the characteristics of high efficiency and accuracy in sorting.	 FIG. 1



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14.	1006645	Devices and Methods for Random Access In Communication System	Nokia Technologies OY, A Company Incorporated In Finland, (2) Chunli WU, Nationality: Chinese. and (1) Samuli TURTINEN, Nationality: Finnish and	09/08/2020 BD/P/ 2020/242	CN PCT/CN2019 /109628 30/09/2019	H 04W 17/318, 72/04, 74/02, 74/08	Embodiments of the present disclosure relate to random access in a communication system. A first device receives a criterion to select a random access type for performing random access to a second device. The first device further determines whether the first device is allocated a contention-free random access resource for a certain random access type, and then performs the random access to the second device based on the determination and conditionally based on the criterion. As such, in the case where contention-free random access resource has been allocated for a certain random access type, the device can conditionally apply the criterion for selection of the random access type and can thus perform random access with improved efficiency.	



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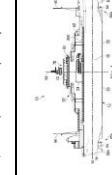
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15.	1006642	NEW FILTER, FILTER UNIT, TREATMENT APPARATUS, METHOD.	XEROS LIMITED, a company organized and existing under the laws of United Kingdom, JONES, Gareth Evan Lyn, British national;; PEASE, James, Richard, British national;; MATTLEY, Joseph, British national and and COBB, Thomas, Andrew, British national.	20/08/2020 BD/P/ 2020/249	GB 1911997.3 21/08/2019	B 01D 33/11, D 06F 39/10	This invention relates to a filter which is especially for filtering microfibres which can, for example, originate from the washing of textiles. The filter is rotatable around an axis of rotation. The filter provides good filtering efficiency and improved resistance to blocking.	



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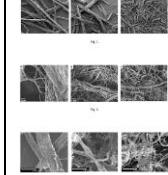
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16.	1006639	Bunkering Marine Vessel.	Tritec Marine Ltd., Nationality: A Company Incorporated in UK, Georgios MERMIRIS; David Philip SCOTT and Jamie ROBERTS	26/08/2020 BD/P/ 2020/254	IB PCT/IB2020/ 051976 06/03/2020; US 16/795,130 19/02/2020 and US 62/891,567 26/08/2019	B 63B 27/25	A bunkering marine vessel has an elongated, multi-deck accommodation structure extending along a portion of the length of one hull side and spaced apart from a centerline extending from bow to stern. Positioned within the vessel hull is at least one LNG pressure vessel filling at least 50% of the hull volume and extending from adjacent a lowermost deck to adjacent the main deck. At least one marine gasoil tank is positioned along an opposing hull side to counter the weight of the accommodation structure. The bow and stern ends of the vessel are substantially the same in shape, and each end includes a marine propulsion system.	



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17.	1006654	Cellulose Pretreatment.	Infiniti Fiber Company Oy, A company existing and organized under the laws of Finland. (1) HARLIN, Ali, A Finish national; (2) MALANIN, Erkki, A Finish national and and (3) MÄKELÄ, Jani, A Finish national.	31/08/2020 BD/P/ 2020/255	FI 20195717 30/08/2019	C 08B 1/00, 15/06	According to an example aspect of the present invention, there is provided a method for pretreating cellulose, e.g. cotton, comprising the steps of providing a mixture having a solid content, said mixture comprising cellulose, and a liquid, and mechanically working the mixture to open the fibril structure of cell walls of cellulose. The mechanical working comprises shear mixing in a continuous mechanical mixing device.	



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18.	1006655	SMART ASSEMBLY AND METHOD FOR UNLIMITED POWER GENERATION USING SERIES OF ROTATABLE MEMBERS.	MUHAMMAD REAZUL HAQUE, Nationality: Bangladeshi, Muhammad Reazul Haque, Nationality: Bangladeshi.	03/09/2020 BD/P/ 2020/259	MY PI 2019005063 03/09/2019	B 60L 50/40, 53/20, 53/56	The present invention discloses an assembly and method for power generation. The assembly comprises a first rotatable member (100), a second rotatable member (200) driven to move by the first rotatable member (100) at which the second rotatable member (200) is in contact with, a third rotatable member (300) driven to move about a rotating axis by the second rotatable member (200) thereof, a rotatable disk (400) mounted to the third rotatable member (300) driven to move correspondingly about the said rotating axis by the third rotatable member (300) thereof, and an electromechanical energy converter (500) having a rotatable unit (501) coupled to the rotatable disk (400) configured for generating electrical energy	



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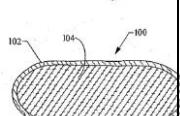
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
19.	1006648	IMPROVED SCOURING PROCESS FOR RING DYED DENIM FABRIC AND MATERIAL PRODUCED THEREOF.	Revolaze, LLC., a company existing and organized under the laws of U.S.A., (1) Heath COLWELL, an American National;; (2) Darryl J. COSTIN, JR., an American National;; (3) Ken KISER, an American National;; (4) Darryl J. COSTIN, SR., an American National;; (5) Dennis SCHEER, an American National and and (6) Alpesh PATEL, an Indian National.	07/09/2020 BD/P/ 2020/262	US 62/897,853 09/09/2019	H 04M 1/57	Ring dyeing of yarn with indigo dye to produce an improved white core. An outer surface of the yarn is scoured prior to applying the indigo dye, and then applying the indigo dye is applied. Scouring parameters of the dyeing are used to limit a penetration of the indigo into the white core, so that the white core has mostly sections of white yarn, and the yarn has indigo dye on the outer surface, said parameters comprising limiting scouring parameters to at least 10% below current parameters used to scour the yarn.	 <small>Figure 1: Comparison of fabric from standard production with fabric produced via the Colwell/Costin Technology at a U.S. Denim Mill</small>



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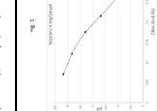
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
20.	1006663	Oral Product With Cellulosic Flavor Stabilizer	R.J. Reynolds Tobacco Company, A Company Incorporated in USA, (1) Christopher KELLER, Nationality: US;; (3) Ronald HUTCHENS, Nationality: US and; (4) Anthony GERARDI, Nationality: US. and (2) Thomas POOLE, Nationality: US;	09/09/2020 BD/P/ 2020/263	US 16/568,003 11/09/2019	A 24B 15/40	The disclosure provides products configured for oral use, the products including a mixture of a particulate filler component, a cellulose derivative, water, and one or more flavoring agents. The products exhibit greater stability over time with respect to flavor component concentration than comparative products which do not contain a cellulose derivative.	



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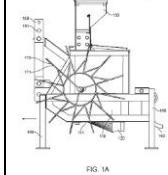
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
21.	1006664	Pouched Products With Enhanced Flavor Stability.	R.J. Reynolds Tobacco Company, A Company Incorporated in USA, (1) Christopher KELLER, Nationality: US;; (3) Ronald HUTCHENS, Nationality: US and; (4) Anthony GERARDI, Nationality: US. and (2) Thomas POOLE, Nationality: US;	09/09/2020 BD/P/ 2020/264	US 16/568,034 11/09/2019	A 24B 15/40	The disclosure provides products configured for oral use, the products including a mixture of a particulate filler, water, one or more organic acids, and one or more flavoring agents, the product having a pH value of less than about 7.0. The products exhibit greater stability over time with respect to whiteness and/or flavor component concentration than products which do not contain one or more organic acids.	



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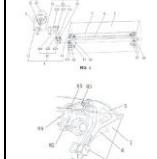
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
22.	1006656	DEEP AGRICULTUR AL IMPLANTATIO N DEVICE.	DISTINCT HORIZON PRIVATE LIMITED, Nationality: an Indian company, (1) NIGAM, Ayush, Nationality: Indian;; (2) KUMAR, Santosh, Nationality: Indian;; (3) JAIN, Vishal, Nationality: Indian;; (4) JAISWAL, Bheem Kumar, Nationality: Indian and and (5) VERMA, Shiv Chandra, Nationality: Indian.	09/09/2020 BD/P/ 2020/265	IN 20191101070 8 10/09/2019	A 01C 7/04	The invention discloses a deep applicator(100) comprising a plurality of applicator units(101) for placing a powder or pellet implantmaterial at a depth within soil. The applicator may be self-propelled or attachable to a vehicle. Each applicator unit includes a pick and drop system with at least a hopper(130), a picker box(140), and a furrow opener(120). Each furrow opener is designed with a roughly wedge shape to open up the earth and to implant the material at depth within soil. The furrow opener, hopper and picker box system are configured to place the implant material ensuring smooth flow without clogging. The applicator may further comprise a post-leveler, and a connector bracket for hitching to a tractor or tiller. The applicator is light in weight and forms a compact unit capable of quickly planting seeds, soil enhancer or fertilizer over large areas.	



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23.	1006658	ANTI-PINCH DEVICE FOR HOPPER CAR BOTTOM DOOR.	CRRC Taiyuan Co., Ltd., a company incorporated under the laws of China,	10/09/2020 BD/P/ 2020/266	CN 20201067077 7.4 13/07/2020	B 61D 7/18	The invention discloses an anti-pinching device for hopper car bottom door, it comprises a first control assembly, a first transmission assembly, a second control assembly, a second assembly component, a first bottom door, a second bottom door and a vehicle body, wherein the first control assembly drives the first transmission assembly to work, and the first transmission assembly is configured to pass through the vehicle body and is movably connected to the vehicle body; the second control assembly drives the second transmission assembly to work, and the second transmission assembly is configured to pass through the vehicle body and is movably connected to the vehicle body; the first bottom door and the second bottom door are arranged in the vehicle body, the first bottom door is connected to the first transmission assembly and is opened or closed under the drive of the first transmission assembly, and the second bottom door is connected to the second transmission assembly and is opened or closed under the drive of the second transmission assembly. By the first bottom door and the second bottom door, the invention avoids the problem of bottom door being clamped and material leakage caused thereby, avoids safety risks such as vehicle derailment, improves the working efficiency, and	

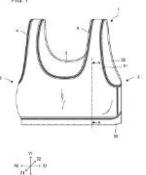
							prevents more stone ballast from flowing out and causing waste.	
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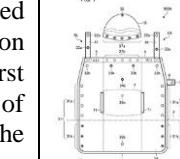
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24.	1006659	BRASSIER WITH PAD.	FAST RETAILING CO., LTD. Nationality: A corporation organized and existing under the laws of Japan, (1) Maiko IKUTA, Nationality: Japanese;; (2) Hideko KURIHARA, Nationality: Japanese;; (3) Tamiko KOIZUMI, Nationality: Japanese and (4) Takahiro SHIRAISHI, Nationality: Japanese.	15/09/2020 BD/P/ 2020/270	JP 2019-173864 25/09/2019	A 41C 3/00, 3/10	The present invention provides a brassiere that can support busts of different sizes and has excellent comfort during wearing. A brassiere (1), in which a pad (6) is provided in each of a pair of cup parts (2) covering a bust, includes a plurality of first connection parts (7) having a fixed length. The pad (6) is fixed to the cup part (2) via the plurality of first connection parts (7), and all or a part of the plurality of first connection parts (7) are elastic members.	



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25.	1006660	MULTIPURPOSE BLANKET.	FAST RETAILING CO., LTD., Nationality: A corporation organized under the laws of Japan, (1) Akira HOSHI, Nationality: Japanese;; (2) Megumi TAKAHASHI, Nationality: Japanese;; (3) Youna CHANG, Nationality: Japanese and (4) Maki KAWANO, Nationality: Japanese.	16/09/2020 BD/P/ 2020/272		A 41B 13/06	Provided is a blanket that readily maintains a folded state and that exhibits superior cold protection properties. A blanket (100A, 100B) includes a first button group (31) on the two left and right sides of the lower section of the blanket (100A, 100B). The first button group (31) includes an upper button group (31a) and a lower button group (31b), the upper and lower button groups (31a, 31b) including one or a plurality of buttons. An engagement part of the upper button group (31a) and an engagement part of the lower button group (31b) are provided on mutually different surfaces of the blanket (100A, 100B). The lower section of the blanket (100A, 100B) is folded back and the upper button group (31a) and the lower button group (31b) engage with each other, thereby maintaining the folded state of the blanket (100A, 100B).	



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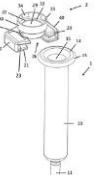
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ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
26.	1006669	A LOCKING DEVICE FOR LOCKING PLUNGER ROD OF A SYRINGE AFTER USE FOR PREVENTING RE-USE.	KAISHA PACKAGING Private Ltd. Nationality: A company organized under the laws of India, Mr. Rishad Kairus Dadachanji, Nationality: An Indian National.	16/09/2020 BD/P/ 2020/273	EP 19198135.6 18/09/2020	A 61M 5/315	In a locking device for locking a plunger rod a plunger rod locking portion is provided for locking a plunger rod of a syringe after use and preventing re-use of the syringe. A chamber is formed inside the plunger rod locking portion for receiving the disc-shaped proximal end of the plunger rod after use of the syringe. The plunger rod locking portion comprises at least one positive locking device configured to positively lock the axial position of the plunger rod by positive-fit engagement with the disc-shaped proximal end of the plunger rod and retain the disc-shaped proximal end of the plunger rod inside the chamber. The locking device provides the functionality of a tamper-evident plunger rod locking device once a dose of medication has been injected by pushing the plunger rod forward, for preventing inadvertent re-use of the syringe.	



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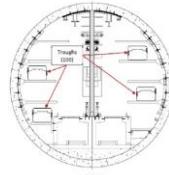
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
27.	1006667	Reagent System for Inorganic Arsenic Analysis In An Acidic Aqueous Reaction Environment.	INDUSTRIAL TEST SYSTEMS, INC., a company incorporated under the laws of United States of America, (i) BALAJI TATINENI, a citizen of USA and and (ii) IVARS JAUNAKAIS, a citizen of USA.	21/09/2020 BD/P/ 2020/278	US 16/588,240 30/09/2019	B 01J 20/02, 20/30, C 02F 1/28	A simplified reagent system for the analysis of arsenic in an acidic aqueous environment is disclosed. In accordance with the inventive technology, a two reagent system is provided. The first reagent includes a combination of an acidifying agent and an oxidizing agent, and is in particulate form. The second reagent is zinc in particulate form, and is beneficially used in the analysis in the presence of an effective amount of an agent for increasing the rate of arsine gas production.	



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28.	1006653	A CABLE TROUGH SYSTEM.	YU YEE ENGINEERING PTE LTD, a company existing and organized under the laws of Singapore, (1) TOH THIAM SEAH, VICTOR, a Singaporean national.	29/09/2020 BD/P/ 2020/287	SG 10201909129 R 30/09/2019		A cable trough system includes: a plurality of serially connected cuboid members, each having a top casing and a bottom trough joined to form an elongate body; a plurality of top bracket and bottom bracket pairs secured to a joint where edges of the top and bottom casing of two adjacent cuboid members meet; and a plurality of belts, each slidably engageable with a corresponding buckle. Each belt includes an explosive force absorbent / resilient / resistant polymer fiber band, e.g., a Kevlar® band. Each buckle includes an outer frame carrying one or more crossbars to catch against the band for strapping and securing the belt around the cuboid member. Each buckle is configured to allow its corresponding belt to slide a limited distance permitting upward lifting of the top casing of a cuboid member away from the bottom casing, creating a gap for discharging increased air pressure within the hollow cavity in the occurrence of a fire or explosive incident.	 FIG. 1



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29.	1006640	HSTU Multi-crop Dryer.	Hajee Mohammad Danesh Science and Technology University, Dinajpur, a public university incorporated under a law of the Government of the People's Republic of Bangladesh, Dr. Md. Sazzat Hossain Sarker	04/10/2020 BD/P/ 2020/291		A 01D 82/00	Development of suitable drying technology and associated dryers are crucial issue for quick management of huge influx of high moisture paddy and maize in Bangladesh. Therefore, the present attempt was undertaken in development of modeling of two drying plants including associated dryers that would be capable of drying high moisture gains and other crops at reasonable cost using minimum energy. The proposed "HSTU Multi-crop Dryer (Model-1)" comprising of two types of dryer namely fluidized bed dryer and recirculating mixed flow dryer associated with innovative grain conditioner employed with zigzag free falling and cooling system is a novel drying plant that is capable of drying 20 ton per day in two batches of grain having moisture content of 22 to 27 o/o to 13 to 14% by only 4 to 6 hrs at reasonable energy usage. The second plant model comprising only recirculating mixed flow dryer and a rice husk fired cyclonic furnace is also capable of drying the same crops by 5 to 6 hrs. Unit drying cost in using the dryers ranges from Tk.0.40/kg (US\$0.005/kg) to Tk.0.65kg (US\$0.008) depending on initial moisture content. Necessary adjustments can readily be done for ensuring required drying air temperature and air flow for particular crop at fixed	

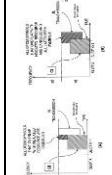
							throughput capacity.	
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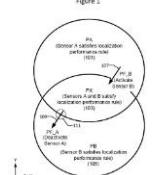
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30.	1006688	SYSTEMS AND METHODS OF MONITORING UL CANCELATION INDICATIONS.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, Mattias Andersson, Swedish national; Ali Behravan, Swedish national and and Kittipong Kittichokechai, Thai national.	11/10/2020 BD/P/ 2020/293	US 62/911,913 07/10/2019	H 04W 52/02, 72/12	Systems and methods of monitoring uplink (UL) cancelation indications are provided. In some embodiments, a method performed by a wireless device for monitoring UL cancelation indications includes: determining a time interval during which the wireless device should monitor UL cancelation indications; and monitoring UL cancelation indications during the time interval. Some embodiments provide a time interval during which the wireless device needs to monitor UL cancelation indication such that it avoids unnecessary monitoring. This may result in savings in wireless device power consumption. Some embodiments include determining the time interval during which the wireless device should monitor UL cancelation indication based on: a wireless device processing time; and/or a configuration of UL cancelation indications. In some embodiments, the wireless device processing time is specified as a function of N2, where N2 is the time between the end of PDCCH scheduling PUSCH and the start of the scheduled PUSCH.	



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31.	1006633	LOCALIZATION USING SENSORS THAT ARE TRANSPORTABLE WITH A DEVICE.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, Jose Araujo, Portuguese national;; Amir Hossein Taher Kouhestani, Iranian national;; Diego Gonzalez Morin, Spanish national and and Ioannis Karagiannis, Greek national.	12/10/2020 BD/P/ 2020/294	EP PCT/EP2019/ 085964 18/12/2019	G 01C 21/20, G 01S 17/89, G 05D 1/02	A device is configured for performing localization using a set of sensors that are transportable with the device. The device includes at least one processor operationally connected to the set of sensors, and at least one memory that stores program code. The program code configures the at least one processor to determine a first set of device poses (PA) where a first sensor satisfies a localization performance rule, and to determine a second set of device poses (PB) where a second sensor satisfies the localization performance rule. The at least one processor is further configured to activate the second sensor while the first sensor is active based on a pose of the device transitioning from not being within to being within the second set of device poses (PB).	



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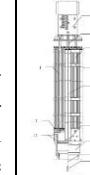
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32.	1006691	BOTTOM NOZZLE OF NUCLEAR REACTOR FUEL ASSEMBLY.	JOINT-STOCK COMPANY "TVEL", a Russian company organized and existing under the laws of Russia, (1) IVNOV Roman Sergeevich, Citizen of Russia,; (2) SHUSTOV, Mstislav leksandrovich, Citizen of Russia,; (3) ENIN, natoly lekservich, Citizen of Russia,; (4) POLYKOV, Dmitry Leonidovich, Citizen of Russia and and (5) YURIN, Petr Mikhailovich, Citizen of Russia.	14/10/2020 BD/P/ 2020/295		G 21C 3/32, Y 02E 30/30	The nuclear reactor fuel assembly bottom nozzle comprises a support element, a diffuser, a hexagonal frame, connected coaxially to each other, with variable height fins fixed in non-adjacent corners of the hexagonal frame with a displacement from the plane of symmetry of the corners so that the end of one rib is mated with the side surface of the other rib. The profile of the fins is made with a ledge on the side surface of the fins and a thinning of the upper edge of the fins, the ledge serves to install the rim of the anti-debris filter, and the thinning serves to abut against the support grid of the fuel element bundle. The thinning of the fins can be made in the form of teeth with flat tops. The technical result is an increased reliability of the bottom nozzle and of the fuel assembly as a whole due to reduced hydraulic resistance of the bottom nozzle and reduced vibration loading of fuel elements.	



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33.	1006692	NUCLEAR REACTOR FUEL ASSEMBLY.	PUBLIC JOINT-STOCK COMPANY "MASHINOSTROITELNY ZAVOD", a Russian company organized and existing under the laws of Russia, and JOINT-STOCK COMPANY "TVEL" a Company incorporated under the laws of Russia, (1) AKSENOV, Pyotr Mikhaylovich, citizen of Russia;; (2) LUZAN, Yuriy Vasil' yevich, citizen of Russia;; (3) SHPOVLOV, Nikolay Viktorovich, citizen of Russia;; (4) SIMNOVSKY, Irina Evgen'evna, citizen of Russia;; (5) SHOLIN, Evgeniy Vasil'evich, citizen of Russia and and (6) MYAKOV, Sergey lexandrovich, citizen of Russia.	14/10/2020 BD/P/ 2020/296		G 21C 3/30	The invention relates to nuclear power engineering, namely to nuclear reactor fuel assemblies. Currently, nuclear reactor fuel assemblies have anti-debris filters. However, the known designs of anti-debris filters, with their rather high efficiency in relation to curvilinear foreign objects, are practically ineffective against foreign objects in the form of straight rods and flat objects of any length, having a thickness of less than 2 mm. The object of the present invention is to increase efficiency of the anti-debris filter while maintaining hydraulic resistance of the fuel assembly at the previous level. The technical result of the invention is higher reliability and operability of the fuel assembly due to improved design of a anti-debris filter. This technical result is achieved by the fact that the nuclear reactor fuel assembly contains a head, a bundle of fuel elements, spacing grids and an anti-debris filter for detaining foreign objects. The anti-debris filter is installed in the bottom nozzle of the fuel assembly and is made in the form of groups of rectilinear plates located in the cross-section of the bottom nozzle. The upper and lower groups of plates are located at an angle to the longitudinal axis of the fuel assembly and are connected by the middle group of plates parallel to the longitudinal	

axis of the fuel assembly to form channels with a rectangular cross-section along the longitudinal axis of the fuel assembly for passage of the coolant. The channels formed by the upper and middle groups of plates are located at an angle of 0...15° to the longitudinal axis of the fuel assembly. The channels formed by the middle and lower groups of plates are located at an angle of 15...30° to the longitudinal axis of the fuel assembly with an inclination opposite to the inclination of the channels formed by the upper and middle groups of plates. The upper and lower groups of plates are located along longitudinal axis of the fuel assembly with a gap. The channels formed by the upper and middle groups of plates are displaced relative to the channels formed by the middle and lower groups of plates in a direction perpendicular to the longitudinal axis of the fuel assembly, wherein the plates of the upper and lower groups have chamfers up to 1/2 of their thickness at the upper edges of their lower ends.



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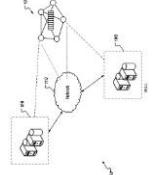
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34.	1006634	PATH SELECTION FOR SIDELINK COMMUNICAT IONS IN NR NETWORK.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, Zhang Fu, Chinese national;; Congchi Zhang, Chinese national;; Massimo Condoluci, Italian national;; Anders E Eriksson, Swedish national and Conny Larsson, Swedish national.	19/10/2020 BD/P/ 2020/302	EP PCT/EP2020/ 077678 02/10/2020 and US 62/958011 07/01/2020	H 04W 4/20, 8/00	Methods and apparatus are provided for establishing a unicast D2D communication link between a requesting UE and a remote UE via a relay UE. In one embodiment, a procedure is provided for unicast link establishment with a remote UE without relay discovery. In another embodiment, a procedure is provided for unicast link establishment with a remote UE with relay discovery.	



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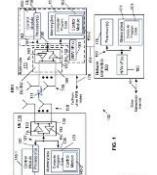
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
35.	1006670	Asynchronous Processing Of Blockchain Blocks.	Alipay (Hangzhou) Information Technology Co., Ltd. Nationality: A Company Incorporated in China, (1) Jiyuan WANG, Nationality: Chinese and and (2) Xuebing YAN, Nationality: Chinese.	29/10/2020 BD/P/ 2020/304	CN PCT/CN2019 /121346 27/11/2019	H 04L 9/32	Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for implementing a blockchain-based fault-tolerant system. One of the methods includes retrieving a first set of blockchain blocks from the blockchain network node using a first set of threads of the bridge device. The bridge device stores the first set of blockchain blocks in the bridge device. The bridge device verifies a second set of blockchain blocks that are stored in the bridge device using a second set of threads of the bridge device. The first set of threads are different from the second set of threads. Retrieving the first set of blockchain blocks and verifying the second set of blockchain blocks are performed asynchronously using the first set of threads and the second set of threads.	



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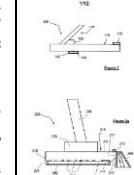
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
36.	1006682	Mapping of Windowed FD Basis to a Combinatorial Indicator for PMI Reporting.	Nokia Technologies OY, Nationality: A Company Incorporated in Finland, (3) Mihai ENESCU, Nationality: Romanian.; (1) Filippo TOSATO, Nationality: Italian; and (2) Marco MASO, Nationality: Italian and	29/10/2020 BD/P/ 2020/305	US 62/927467 29/10/2019	H 04B 7/06	A UE determines a PMI, by performing at least the following: determining an intermediate set of vectors from a FD codebook; forming a subset of the intermediate set of vectors; mapping the subset of vectors to a combinatorial indicator; and forming the PMI at least from the combinatorial indicator. The UE sends the PMI toward a wireless network. A base station receives the PMI from the UE. The PMI includes a combinatorial indicator that maps to a subset of vectors from the FD codebook. The base station determines, using at least the received PMI, information from at least the FD codebook to apply to data for transmission toward the UE.	



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37.	1006641	DREDGING METHOD AND APPARATUS.	Harwich Haven Authority, a Company organized and existing under the laws of United Kingdom Jeremy David Warner, Nationality: British.	29/10/2020 BD/P/ 2020/306	GB 1916776.6 18/11/2019 and GB 2007660.6 22/05/2020	E 02F 3/92	A method of dredging which comprises suspending dredging apparatus 200 from a vehicle 360. The sediment agitating apparatus comprising a chassis, and mounted on the chassis 210 are an extractor, sediment agitating apparatus and respective pumps 220, 230. The dredging apparatus 200 is disposed above, but not in contact with a waterbed 340 to be dredged of sediment 360. The sediment 350 is agitated then extracted with the extractor. The dredging apparatus 200 is moved around the water and the extracted sediment 400 is deposited underwater and above the dredging apparatus 220, so that the sediment 400 is transported and deposited away from an area being dredged by the natural movement of the water. Apparatus and use of the apparatus are also described.	



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38.	1006635	Spinning position and air spinning machine comprising such a spinning Position.	Sauer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, Radermacher, Wolfgang, German national;; Mohr, Hans-Peter, German national;; Huls, Jurgen, German national and and Werheit, Dr. Patrick, German national.	01/11/2020 BD/P/ 2020/308	EP 19212518.5 29/11/2019	D 01H 1/115	In addition to a spinning position for an air spinning machine and an air spinning machine for manufacturing a thread from a supplied fibre band, the present invention also relates to a method for detecting a thread strength of a thread manufactured at a spinning position of an air spinning machine which falls below a target value. In order to provide a spinning position and an air spinning machine and also a method which make it possible reliably to detect threads emerging from an air-jet spinning device which have an inadequate thread strength, it is provided for the spinning position or the spinning positions of the air spinning machine that a thread manipulation unit acting mechanically on the thread is arranged in the area between the air-jet spinning device and the winding device, which thread manipulation unit exerts an adjustable thread- tension-influencing force, in particular an adjustable braking, compressive and/or clamping force, on the thread in order to variably increase the thread tension. For the method, it is provided that an adjustable thread-tension-influencing force is applied to the thread by means of a thread manipulation unit, which is arranged in the area between an air-jet spinning device and a winding device and acts mechanically on the thread, that a	

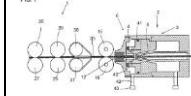
							thread break and/or thread break rate is detected and compared with a specified target rate and that the thread break and/or deviations of the thread break rate beyond a predefined limit value are indicated and/or evaluated.	
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39.	1006636	Method for cleaning an air- jet spinning device of a spinning position, such an air-jet spinning device, and thread-forming unit for such an air jet spinning device.	Saurer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, Dreßen Jochen, German national and and Prediger, Eduard, German national.	01/11/2020 BD/P/ 2020/309	EP 19214445.9 09/12/2019	D 01H 1/115	The present invention concerns a method for cleaning an air-jet spinning device of a spinning position, such an air-jet spinning device, and a thread-forming unit for such an air-jet spinning device. The air-jet spinning device comprises a thread-forming unit, which has a thread-forming element arranged in a vortex chamber of a nozzle unit, and a nozzle unit, which has at least one air nozzle oriented toward the vortex chamber in such a way that an air flow emerging from the air nozzle applies a rotational flow to the sliver in the vortex chamber. According to the present invention, the thread-forming unit has an element carrier for the releasable holding and removal of the thread- forming element, or alternatively or additionally, in connection with the air-jet spinning device, the thread-forming unit is linearly displaceable relative to the nozzle unit between a closed operating position and an open cleaning position of the air-jet spinning device, and the air-jet spinning device is linearly displaceable and/or pivotable in the cleaning position.	



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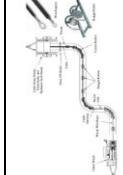
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
40.	1006661	Method for arranging a fibre band at a spinning device of a spinning position.	Saurer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, Schiffers, Dirk, German national;; Peuker, Heinz-Josef, German national;; Seshayer, Chandrassekaran, German national and and Gunther, Karoline, German national.	01/11/2020 BD/P/ 2020/310	EP 19217660.0 18/12/2019	D 01H 1/22, 4/48	The present invention relates to a method for arranging a fibre band at a spinning device of a spinning position, wherein the fibre band is fed, by means of a drafting system having several roller pairs, to the spinning device for the manufacture of a spun thread from the fibre band. In order to provide a method for operating a spinning position which enables the drafted fibre band to be arranged at the spinning device in a straightforward and efficient manner, the roller pairs of the closed drafting system are each operated, in accordance with the predefined draft ratio of the fibre band, at an insertion speed which is lower than the operating speed of the drafting system, the fibre band is then inserted into the clamping area of an input roller pair of the drafting system, and the drafted fibre band is then fed to the spinning device after passing through the closed drafting system and exiting a clamping area of an output roller pair of the drafting system.	



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41.	1006671	SYSTEM FOR FACILITATING DELIVERY, PLACEMENT, AND/OR INSTALLATIO N OF A CABLE.	POWER WORKS PTE. LTD., a company existing and organized under the laws of Singapore, (1) TAN POH SOON, a Singaporean national and and (2) WONG CO YING, an Australian national	05/11/2020 BD/P/ 2020/315	SG 10201910354 S 06/11/2019	H 02G 1/08, 3/04	A cable placement system includes a modular, typically horizontal monorail track raised away from a floor surface; a plurality of carts slidably displaceable along the track, each of which is configured for supporting and securely retaining a selected portion of a cable; and a locomotive couplable or coupled to an end of the cable such that motion of the locomotive pulls the carts and therefore pulls the cable along the track. A ramp structure coupled or couplable to the locomotive provides an inclined sloping path. Portions of the cable can progressively travel and/or be guided upwardly or upwardly and laterally along the sloping path as the locomotive moves toward other portions of the cable proximate to a low end of the sloping path which have not yet traveled along the sloping path.	



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42.	1006657	Computer-implemented method and arrangement for classifying anomalies.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, Erik Thormarker, Swedish national and; Jakob Sternby, Swedish national; and Michael Liljenstam, Swedish national.	05/11/2020 BD/P/ 2020/316	US 16/697,749 27/11/2019	G 06N 5/00, 5/04, H 04L 12/26, 29/06	The present disclosure relates to a computer-implemented method and an apparatus for classifying anomalies of one or more feature-associated anomalies in network data traffic between devices in a first part of a network and devices in a second part of the network. The method comprises retrieving at least one network data traffic sample and determining one or more feature-associated anomaly scores for the retrieved at least one network data traffic sample. The method further comprises determining feature importance of each feature of a feature-associated anomaly score and classifying one or more anomalies based on the determined one or more feature-associated anomaly scores and the determined feature importance.	



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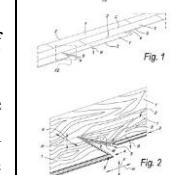
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43.	1006683	SWING ARM OF VEHICLE.	HERO MOTOCORP LIMITED, an Indian Company, RAJWANI, Ishwar, Indian national and and PRASOON, Jeevesh, Indian national.	05/11/2020 BD/P/ 2020/317	IN 20191104499 2 06/11/2019	B 62K 11/04, 25/20	A swing arm (220) of a vehicle (10) includes a first arm (222), a second arm (224), and a bridge member (140). The first arm (222) having an upper supporting wall (230), a lower supporting wall (232), an inboard supporting wall (234), and at least one set of first arm rib member (236 & 238). The second arm (224) having an upper supporting wall (230a), a lower supporting wall (232a), an inboard supporting wall (234a), at least one set of second arm rib member (236a& 238a).The bridge member (140) having a first side wall (142), and a second side wall (144) spaced apart from each other. At least one of the first side wall (142), and the second side wall (144) comprises at least one set of a bridge rib members (240 & 240a)extending outwardly along the width direction of the vehicle (10).	



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44.	1006693	Floor panel for forming a floor covering.	Flooring Industries Limited, SARL., a Limited company organized and existing under the laws of Luxembourg, Jan Eddy DE RICK, a national of Belgium.	08/11/2020 BD/P/ 2020/318	US 62/942,861 03/12/2019 and US 62/976,504 14/02/2020	E 04F 15/02, 15/10	Floor panel for forming a floor covering, characterized in that the floor covering consists of floor panels, which, on at least one pair of edges, are provided with coupling parts, that these coupling parts substantially are manufactured from the material of the floor panel, and that these coupling parts are configured such that two such floor panels, at said pair of edges, can be installed and locked to each other by means of a downward movement and/or by means of the fold-down principle.	



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ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
45.	1006662	Bearing for a shedding machine or motion transmission system, heald motion lever comprising such a bearing and shedding machine comprising such a lever or such a bearing.	STAUBLI FAVERGES, a company organized under the laws of France, POLLET François, French National; and MARION Sébastien, French National.	11/11/2020 BD/P/ 2020/320	FR 1912808 15/11/2019	D 03C 5/02	Bearing (25) for a shedding-forming machine or a system for transmitting movement to the frames of a loom, which comprises an innerring(72), an outerring(74) and rolling elements (76). The innerring is centered on a major axis (A72), has two lateral surfaces normal to the major axis, and defines a circular peripheral ring (80) centered on the major axis. The outerring(74) defines an innerring(82), which is circular and centered on the main axis. The rolling elements (76) are interposed, radially with respect to the main axis, between the peripheral ring and the inner ring, so as to guide the outer ring in rotation relative to the inner ring around the main axis. The inner ring (72) comprises at least one slot (90), opening onto the two lateral surfaces, extending opposite a portion of the peripheral ring (80), and forms a bridge of material (94) between the slot and the peripheral ring. The material bridge (94) extends over an angular sector (99) of the inner ring, is centered on the main axis (A72) of the bearing and has a vertex angle (α_1) greater than or equal to the vertex angle (β_2) of an angular sector occupied by two rolling elements (76), preferably greater than or equal to the vertex angle (β_5) of an angular sector occupied by five rolling elements, preferably greater than or equal to	

							the vertex angle (β_9) of an angular sector occupied by nine rolling elements, more preferably greater than or equal the vertex angle (β_{13}) of an angular sector occupied by thirteen rolling elements. The inner ring (72) further comprises at least one hole (88) for fixing the bearing (25).	
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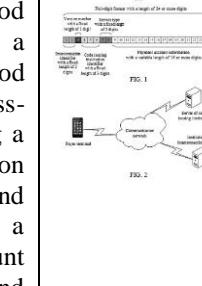
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
46.	1006724	Method, Apparatus, Device, System And For Cross-Border Payment.	Alipay Labs (Singapore) Pte. Ltd. Nationality: A Company Incorporated in Singapore, Junhua ZHENG, Nationality: Chinese.	29/12/2020 BD/P/ 2020/398	CN 20201014095 3.3 03/03/2020	G 06Q 20/32	Embodiments of this specification provide a method, apparatus, device, and system for cross-border payment. The method includes: receiving, by a server, an application request for a cross-border payment code sent by a client; generating, based on a preset rule for generating cross-border payment codes, a cross-border payment code corresponding to user information included in the application request; and sending the generated cross-border payment code to the client, for the client to perform cross-border payment processing based on the cross-border payment code. The rule for generating cross-border payment codes includes: for any cross-border payment code, setting a value at a first preset position to a first value, and setting a value at a second preset position to a second value, where a combination of the first value and the second value is different from a combination of values at the first preset position and the second preset position of any non-cross-border payment code.	



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47.	1006725	Registration And Payment Method And Apparatus For Cross- Regional Off- Line Payment.	Alipay Labs (Singapore) Pte. Ltd. Nationality: A Company Incorporated in Singapore, (1) Yongbin PIAO, Nationality: Chinese and and (2) Kai ZHENG, Nationality: Chinese.	29/12/2020 BD/P/ 2020/399	CN 20201003371 8.6 13/01/2020	G 06Q 20/08	This specification provides a registration method for cross-region off-line payment, applicable to a server of a code issuing institution, the method including: receiving a request for issuing a cross- region code sent by a payer terminal; generating a cross-region code including an interconnection identifier, a code issuing institution identifier, and payment account information, storing a correspondence between the payment account information and an account of a payer, and returning a response carrying the cross-region code to the payer terminal, where the interconnection identifier is an identifier of an institution interconnection server serving a region in which a payment occurs, and the payment account information uniquely corresponds to the account of the payer at the code issuing institution; and sending a request for registering the cross-region code that carries the cross-region code and an authorized limit to the institution interconnection server having the interconnection identifier, for the institution interconnection server to accept, after storing the cross-region code and the authorized limit, a payment made by the payer terminal by using the cross-region code and the account of the payer in the served region within the authorized	

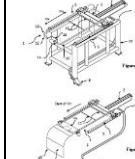
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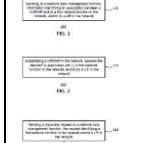
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
48.	1006726	A Semi-Automated Device For Inserting A Liner Cut Piece Into An Outer Covering And A Semi-automated Method For Doing So.	Lohia Corp Limited, Nationality: an Indian national, Gaurav Lohai, Nationality: an Indian national.	03/01/2021 BD/P/ 2021/2	IN 20201100044 7 06/01/2020	B 41M 1/06, C 09D 11/03, 11/101	The invention relates to a semi-automated liner insertion device and a semi-automated method of inserting a liner cut piece into an outer covering to form a combine (6). The semi-automated device comprises a height adjustable frame (10) on which a semi-automated liner insertion platform (1) is mounted and which is capable of moving on a pair of rails (3) with the help of a pneumatic cylinder (8) connected to a cross member (2) provided with rolling or sliding mechanism (2A). The pneumatic cylinder (8) is controlled by a pneumatic valve (12) or a solenoid valve (12). The semi-automated method of the invention comprises facilitating an automated movement of the liner insertion platform (1) onto which a liner cut piece (4) is placed manually, followed by a manual placement of an outer covering piece (5) on the liner cut piece (4) to form a combine (6), following which the liner insertion platform is retracted semi-automatically to complete one cycle.	



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49.	1006686	ASSOCIATION WITH A NETWORK DATA ANALYTICS FUNCTION.	Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, Ulf Mattsson, Swedish national;; Aldo Bolle, Italian national;; Miguel Angel Garcia Martin, Spanish national and and Stefan Håkansson, Swdesh national.	03/01/2021 BD/P/ 2021/5	EP 20382001.4 02/01/2020	H 04L 12/24	Methods and apparatus in a network node are provided. In an example, a method in a network node in a network is provided. The method comprises sending, to a network data management function, information identifying an association between a Network Data Analytics Function (NWDAF) and (i) a first network function in the network, and/or (ii) a User Equipment (UE) in the network.	



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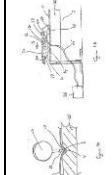
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50.	1006698	A Tin and Organo -tin free Resin for application along and the setting of a crease line in a garment.	Supercrease Limited, a British company, Paul Stewart, British national and and Daniel Houlbrook, British national.	14/01/2021 BD/P/ 2021/14	GB 2000594.8 15/01/2020	A 41D 1/10, D 06M 15/643	The invention to which this application relates is to the provision of a resin material of a type which can be applied to a garment crease line in a fluid condition and, once exposed to a suitable environment, will then cure so as to harden and adhere along the crease line. The resin in accordance with the invention is free from tin or any organo-tin components whilst still maintaining the ability for the resin to cure and be effective. The resin, once cured assists in prolonging the form of the crease in the garment. The material may be applied at the time of preparation of the new garment or, may be applied after the garment has been washed.	



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51.	1006699	Diamino pyrimidine disperse azo dyes, a process for the preparation of such dyes.	Huntsman Advanced Materials (Switzerland) GmbH., a Swiss company, PETERMANN, Ralf, German national;; LAUK, Urs, Swiss national;; URER, Kevin, Swiss national;; PFISTER, Simon, Swiss national and PESEK, Yvonne, Austrian national.	14/01/2021 BD/P/ 2021/15	EP 20152015.2 15/01/2020	C 09B 29/01	The present invention relates to azo dyes of formula (1) wherein D is a radical of formula (2) or (3) R1 and R2 independently denote hydrogen; C6-C10aryl which is unsubstituted or substituted by cyano, carboxy, hydroxy, halogen, C1-C6alkyl, or C1-C6alkoxy; C1-C12alkyl which may be interrupted one or more times by -O-, -S-, -NR4-, -CO-, -COO- or -OOC-, and is unsubstituted or substituted by cyano, carboxy, hydroxy, C6-C10aryl, or C6-C10aryloxy, which C6-C10aryl or C6-C10aryloxy is unsubstituted or substituted by cyano, carboxy, hydroxy, halogen, C1-C6alkyl, or C1-C6alkoxy; R3 and R4 are each independently of the other hydrogen, halogen, nitro, cyano, trifluoromethyl, carboxy, C1-C6alkyl, C1-C6alkoxy, C1-C6alkylcarbonyl, C6-C10arylcarbonyl, C1-C6alkoxycarbonyl, C1-C6alkylsulfonyl, C1-C6alkylsulfonylamino or C1-C4alkanoylamino; and R5 is halogen, nitro, cyano, trifluoromethyl, carboxy, C1-C6alkyl, C1-C6alkoxy, C1-C6alkylcarbonyl, C6-C10arylcarbonyl, C1-C6alkoxycarbonyl, C1-C6alkylsulfonyl, C1-C6alkylsulfonylamino or C1-C4alkanoylamino; and R6, R7, R8 and R9 independently of each other are hydrogen, hydroxy, halogen, cyano, nitro or C1-C4alkanoylamino, and	

							the radicals X independently denote N or C-H, with the proviso that at least one radical X denotes C-H, which are distinguished by their good lightfastness properties.	
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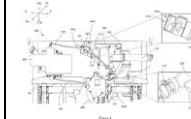
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52.	1006677	A MOTOR VEHICLE WITH AN IC ENGINE.	TVS MOTOR COMPANY LIMITED., a company duly organized and existing under the laws of India, (4) Boobalan MANI, Nationality: Indian.; (3) Betala SRIKANTH, Nationality: Indian and; (2) Kothuru NARAYANA HARSHA, Nationality: Indian; and (1) Vijaya BHASKAR ADIGA, Nationality: Indian;	17/01/2021 BD/P/ 2021/18	IN 20204100451 6 01/02/2020	F 02M 35/00	The present subject matter relates to a motor vehicle comprising a frame assembly. A power unit mounted to the frame assembly (105) and at least a portion of the power unit surrounded by a main frame of the frame assembly. An air cleaner (115) having at least a portion disposed behind the main frame (107). An air-intake path (200) is connecting the air cleaner (115, 315) to the power unit (140). The air-intake path (200) comprises a lateral width (W) diverging in a downstream direction of the air-intake path (200) when viewed in a top direction of the motor vehicle (100). The proposed motor vehicle provides an optimum path for flow of air with reduced losses whereby a desired pressure is maintained.	



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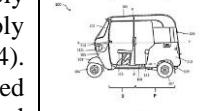
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
53.	1006678	EVAPORATIVE EMISSION CONTROL SYSTEM FOR A VEHICLE.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (3) Balakrishnan SADESH, Nationality: Indian;; (4) Ranganathan VINOOTH BALARAM, Nationality: Indian;; (2) Gutti GNANAKOTIAH, Nationality: Indian;; (7) Mysore Krishnamoorthy AJAY KUMAR, Nationality: Indian and; (1) Anukkavoor SUBRAMANIAN ANBUKKARASU, Nationality: Indian;; (5) S SHIRINIDHI, Nationality: Indian;; (6) M NARAYANAN, Nationality: Indian; and (8) R VARALAKSHMY, Nationality: Indian.	17/01/2021 BD/P/ 2021/21	IN 20204100473 7 03/02/2020	F 02M 35/00	The present invention relates to vehicle (100) configured with the evaporative emission control system. The evaporated fuel is introduced through evaporative fuel nozzle (111) located on the tube outlet (106) of the induction system in the predetermined distance (Dx) from the throttle valve (201) of the throttle body (105). The evaporative fuel nozzle (111) is having predetermined inner diameter (Da). Thus, the present subject matter does not require any sophisticated electronic control system for purging operation.	



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ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
54.	1006679	BRAKE ASSEMBLY FOR VEHICLE.	A TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) Muktha SAI KUMAR, Nationality: Indian;; (2) Gollapalli Surya GANGADHARA RAVIKANTH, Nationality: Indian and and (3) Mosali NAGARJUN REDDY, Nationality: Indian.	17/01/2021 BD/P/ 2021/22	IN 20204100454 3 01/02/2020	B 60T 11/00	The present invention relates to brake assembly (100) for a vehicle, wherein said brake assembly (100) configured to a proportionating device (204). The proportionating device (204) provided substantially ahead of the seat assembly (111) and located within the imaginary planes such that one end of said proportionating device (204) functionally engages at least one end of a center brake line assembly (206) and another end of said proportionating device (204) functionally engages with at least one end of a tandem master cylinder (211).The present subject matter avoids the accidents due to leakage in the proportionating device (204), because it is externally visible to the operator as located ergonomically and coming within best conical view of the operator.	



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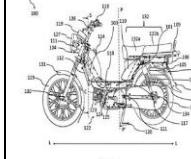
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55.	1006733	A POWER UNIT AND A TRANSLATING MEMBER THEREOF.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) Sumith JOSEPH, Nationality: Indian;; (2) Mohan DEORAO UIMATE, Nationality: Indian;; (3) Amrita SHUKLA, Nationality: Indian and and (4) Biswa RANJAN DAS, Nationality: Indian.	17/01/2021 BD/P/ 2021/23	IN 20204100454 5 01/02/2020	F 16C 3/00	The present subject matter relates to a power unit comprising a translating member (300) at least partially enclosed by and rotatably supported within a crankcase. The reciprocating member (300) connected to a translating member (300) through a connecting rod (212). The translating member (300) comprising a first counterweight member (310) disposed on one side of a connecting rod (212) and a second counter weight member (330) disposed towards other side of the connecting rod (212). The second counterweight member (330) comprises a second cross-sectional area (CA2) being smaller than a first cross-sectional area (CA1) of said first counterweight member (310). The present subject matter provides balanced mass and reduced oil drag thereby improving performance of the power unit.	



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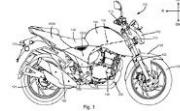
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
56.	1006719	FUEL PUMP MOUNTING.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) T DEEPAN, Nationality: Indian;; (2) Vaidheeswaran RAMESH, Nationality: Indian and and (3) Karnam VENKATA MANGA RAJU, Nationality: Indian.	17/01/2021 BD/P/ 2021/25	IN 20204100453 8 01/02/2020	F 02M 35/35	The present invention relates to a step through type vehicle (100), where said vehicle (100) comprises of a mono tube type frame (101), power unit (125), cylinder head (123), cylinder (124), fuel tank module (103), fuel pump module (301). The frame assembly includes a main tube (101b), a down tube (101c). The fuel pump module (301) is mounted outside the fuel tank module (103) and also, disposed between the fuel tank module (103) and the engine (125) such that the fuel pump module (301) and fuel injector (not shown) is juxtaposed to each other and on the LHS of the vehicle (100), further covered by a hinged cover frame (118), thereby, ensures the ease of accessibility and serviceability of the fuel pump module (301).	



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57.	1006718	A COMBUSTION ENGINE AND A FAILURE DETECTION SYSTEM THEREOF.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (3) Boobalan MANI, Nationality: Indian;; (2) Bharaniram SENTHILKUMAR, Nationality: Indian;; (1) Balaji VAIDYANATHAN, Nationality: Indian;; (4) Manickam MURUGESAN, Nationality: Indian and and (5) Palani SHUNMUGASUNDARAM, Nationality: Indian.	17/01/2021 BD/P/ 2021/26	IN 20204100741 2 21/02/2020	F 01N 3/35	The present subject matter provides a combustion engine (140) with a failure detection system (300) that is cost effective and has minimal components yet offering robust output. The system includes a first treatment device (206) and it is disposed in proximity to an exhaust port of the combustion engine (140). A first sensor member (250) is disposed upstream of the first treatment device (206) and a second sensor member (255) is disposed downstream of the first treatment device (206). The second sensor member (255) is disposed in a low-turbulence zone (Z) being within a distance of 10 times of the maximum cross-sectional dimension (D1) of the first treatment device (206) from the treatment device (206). A detection control unit (305) functionally connected to the first sensor member (250) and the second sensor member (255) is capable of providing a failure of conversion capability of the exhaust system (200).	



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58.	1006716	POWERTRAIN ASSEMBLY FOR VEHICLE. A	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (3) Chithambaram SUBRAMONIAM, Nationality: Indian.; (1) Mugilan MEIBALAN, Nationality: Indian; and (2) Ankit RAWAT, Nationality: Indian and	17/01/2021 BD/P/ 2021/28	IN 20204100454 0 01/02/2020	B 62M 7/00	The present invention relates to a powertrain assembly (102), said powertrain assembly (102) connected to a frame assembly (F). The powertrain assembly (102) comprises a transmission housing (202), a cover member (208), a mount member (201) and a prime mover (101). The prime mover (101) is supported by the transmission housing (202) and mounted to the mount member thus ensures reliable mounting. Further mount member configured to have at least one air inlet window which allows fresh air to be directed towards the cooling and guide fins (205) provided on the prime mover housing (204) thus improves the cooling of the prime mover (101).	



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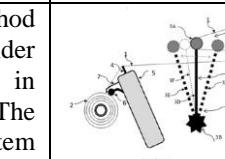
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59.	1006717	ELECTRIC DRIVE FOR MULTIWHEEL VEHICLE.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (2) Mosali NAGARJUN REDDY, Nationality: Indian and; (1) Gollapalli Surya Gangadhara RAVIKANTH, Nationality: Indian; and (3) Panneerselvam MURUGADOSS, Nationality: Indian.	17/01/2021 BD/P/ 2021/29	IN 20204100453 9 01/02/2020	B 06K 7/00	The present invention relates to drive assembly (100), wherein said drive assembly (100) configured to a drive system (105), and a mounting assembly (106, 504), wherein mounting assembly (106, 504) said configured to support the prime mover (102) in respect of the chassis frame structure. The drive assembly (100) is a conversion kit allowing those skilled in vehicle mechanics to perform the conversion.	



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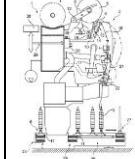
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60.	1006680	A Winding Apparatus And A Method For Winding Continuously Arriving Yarn Or Slit Film Tapes.	Lohia Corp Limited, Nationality: an Indian National, (1) Mr. BHUNIA, P. K., Nationality: an Indian national; (2) Mr. ROM, Jurgen, Nationality: a German national; (3) Mr. BHONDE, H. U., Nationality: an Indian national and (4) Mr. Gaurav Lohai, Nationality: an Indian national.	19/01/2021 BD/P/ 2021/30	IN 20201100231 4 20/01/2020	B 65H 59/55	The invention relates to an apparatus and a method for controlling yarn winding tension in a winder system by reducing variations or fluctuations in thread tension during winding operations. The plurality of dancer arms (3) of the winding system are each provided with a tensioning device, which in turn has at least one polymeric fluidic tension actuator (8) which serves to determine an instantaneous signal which is approximately proportional to the required tension of the continuously arriving yarn (1). The tension actuator (8) generates required resistance on the dancer arm (3) in proportion to the required winding tension in the winding yarn (1). In the method for controlling the yarn winding tension, the change in said instantaneous angular position (3F) of said dancer arm (3) is monitored and used to regulate winding tension by changing rotational speed of spindle (2) through the individual winder head controller (13) in required proportion.	



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61.	1006649	Vibration damping device for a winding device of a textile machine that produces cross-wound packages.	Sauer Spinning Solutions GmbH & Co. KG, a company organized and existing under the laws of Germany, Marx, Alexander, German national and and Kalbertodt, René, German national.	20/01/2021 BD/P/ 2021/32	DE 10202010758 5.5 19/03/2020	B 65H 54/52	The invention relates to a vibration damping device for a winding device of a textile machine that produces cross-wound packages, the vibration damping device being provided for reducing the vibrations that occur at the pivotably mounted package cradle during the winding operation of the textile machine. According to the invention, in order to obtain a vibration damping device that is unproblematic with respect to both safety and soiling and that additionally always ensures that the package cradle is relatively stable with respect to vibration, the vibration damper is in the form of a friction damper which has friction forces of different intensity depending on the working direction, the friction forces effective as the cross-wound package lifts off during the winding operation being greater than the friction forces effective during the return movement of the cross-wound package.	



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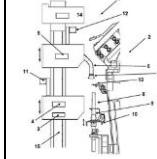
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62.	1006681	RECONSTITUT ABLE SANITISER.	GODREJ CONSUMER PRODUCTS LIMITED, an Indian Company incorporated under the laws of India, SAMNANI, Sonia; NAIK, Sandeep and YADLAPALLI, Venkateswara, All are Indian nationals.	02/02/2021 BD/P/ 2021/39	IN 20212100328 2 23/01/2021	A 61K 6/52, C 11D 3/48, 9/50	the present invention discloses a reconstitutable sanitiser formulation which is non-alcoholic in nature and achieves up to 99.9% reduction in microbial load and provides long-lasting protection against microbes for 2-6hrs.	



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63.	1006727	AN AUTOMATIC YARN PIECING UNIT FOR PIECING BROKEN YARNS IN A RING SPINNING MACHINE.	LAKSHMI MACHINE WORKS LIMITED, a company organized and existing under the laws of India, JEGANATHAN PASUPATHY, Indian national and and SELVARAJ SANTHOSH, Indian national.	04/02/2021 BD/P/ 2021/47	IN 20204100748 2 21/02/2020	D 01H 1/42, 13/013	The present invention relates to an automatic yarn piecing unit for a ring spinning machine. The automatic yarn piecing unit (1) comprising: a vertical frame(15); a first housing having a yarn lifting module (3) to lift the broken yarn and a yarn insertion module (4) to insert the yarn, mounted at the vertical frame (15); a second housing having a top suction module(5) for holding the lifted yarn, the top suction module (5) is positioned above the yarn insertion module (4); a control unit; a first electro-mechanical actuator unit(11) connected with the control unit configured to operate the vertical movement of the yarn lifting module (3) and the yarn insertion module(4); a second electro-mechanical actuator unit(12) connected with the control unit configured to operate the vertical movement of the top suction module(5); and a piecing module(14) mounted at the top portion of the vertical frame (15) to perform the piecing operation.	



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ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
64.	1006734	PONGAMIA OIL COMPOSITION S, AND METHODS FOR PRODUCING THEREOF.	TERVIVA, INC, a company organized and existing under the laws of USA., Vamsi Krishna RANI, American national and; James D. ASTWOOD, American national;; William Newell KUSCH, American national; and Olivier R. RAFFRAY, American national.	04/04/2021 BD/P/ 2021/118	US 63/004, 790 03/04/2020	A 01N 25/04, 25/30	Provided herein are pongamia oil compositions suitable for animal consumption, in particular human consumption, as well as methods of producing such compositions. The compositions are edible and non-bitter tasting, and have certain attributes that make such compositions suitable for use as and/or in various food and beverage products. Provided herein are also methods of analyzing pongamia oil.	<pre> graph TD 100[100] --> 102[102: Combining pongamia oil with extraction solvent to prepare an extraction mixture] 102 --> 104[104: Sonication of the extraction mixture] 104 --> 106[106: Separating the extraction mixture into an extracted pongamia oil phase (top) and an extract oily layer (bottom)] 106 --> 108[108: Measuring the concentration of saponins and/or pongamol in the extract] </pre>



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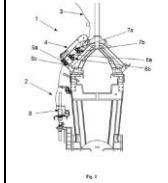
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
65.	1006735	PONGAMIA OIL COMPOSITION S, AND METHODS FOR PRODUCING THEREOF.	TERVIVA, INC., a company organized and existing under the laws of USA, Vamsi Krishna RANI, American national and; Klaus DRAGULL, American national; and James D. ASTWOOD, American national.	04/04/2021 BD/P/ 2021/119	US 63/004, 787 03/04/2020	A 01N 25/04, 25/30	Provided herein are pongamia oil compositions suitable for animal consumption, in particular human consumption, as well as methods of producing such compositions. The compositions are edible and non-bitter tasting, and have certain attributes that make such compositions suitable for use as and/or in various food and beverage products. Provided herein are also methods of analyzing pongamia oil.	<pre> graph TD 100[100] --> 102[102: Combining pongamia oil with extraction solvent to prepare an extraction mixture] 102 --> 104[104: Separating the extraction mixture] 104 --> 106[106: Separating the emulsion mixture into an oil and an extract mixture] 106 --> 108[108: Separating the extract mixture into a pongamia oil and a pongamia oil-free extract] 108 --> 100 </pre>



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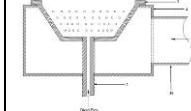
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
66.	1006732	AN AUTOMATIC YARN PIECING APPARATUS AND A METHOD THEREOF.	LAKSHMI MACHINE WORKS LIMITED, a company organized and existing under the laws of India, SRINIVASAN RAJASEKARAN, Indian national;; JEGANATHAN PASUPATHY, Indian national and ARULANANDAM THILIP KUMAR. Indian national.	04/04/2021 BD/P/ 2021/122	IN 20204102159 7 22/05/2020	B 65H 65/06, D 01H 15/013	The present invention relates to an automatic yarn piecing apparatus (9) of a textile ring spinning machine (1) and a method of piecing the broken yarns to drafted fibre strands. The yarn piecing apparatus (9) comprises a lifting unit for lifting the broken yarn from the cop (8), a suction unit (10) adapted to accommodate the broken yarn lifted by the lifting unit, and a piecing unit (11) configured to join a tail end (15) of the broken yarn to a fibre strand drafted by a drafting unit (4). The piecing unit (11) comprises a positioning device (12) adapted to perform an over-piecing process to merge the tail end (15) of the broken yarn to the fibre strand.	



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67.	1006728	A system of constructing multiple kitchen Burners with provision of using multiple liquid- cum- gaseous fuel.	MUNSUR AHMED, Nationality: Bangladeshi, MUNSUR AHMED, Nationality: Bangladeshi.	12/05/2021 BD/P/ 2021/151		C 25B 15/00	1. The Complete specification has been prepared for obtaining the Grant of Patent on “Design, Develop and construction of suitable Kitchen Burners of different types and Categories to use Diesel economically and gas as alternate fuel in those Burners along with other Claims”. The invention relates to the development of a process of achieving stoichiometric Fuel-Air mixture, using Diesel as fuel, in a Burner cavity to obtain an intense flame through complete burning of such mixture and to utilize that flame in the Burner Eye or cavity for cooking through construction of kitchen burners appropriately in different types and Categories having an additional arrangement of the system to run those by Gas feeding also. In particular both the fuel, i.e Diesel and Gas can be used as alternate to each other in these Burners. The Burners can be used exclusively either by Diesel or NPG/LPG just by connecting the Fuel feeding line directly either with the Diesel line or with the Gas input line exclusively. Hence, the Invention is on products and process both. 2. The Idea of Invention of kitchen Burners came in the thought process back in 2015 observing the various difficulties in cooking being faced by cooks at different levels with different	

types of existing conventional Burners. The main difficulties among many taken in considerations are non-availability of supply of Natural Petroleum Gas (NPG) or Liquid Petroleum Gas (LPG) in various parts of the Country and frequent outage of supply of both the Gases to develop and construct these newly invented Diesel run Burners, which we hope can alleviate the Cooking difficulties in absence of either NPG or LPG supply. On the other hand these invented Burners can be used with the NPG/LPG also, i,e these Burners can be used as Two in One system. These Burners can come in great help for the people, who use Electric Furnace/Heaters or Oven and face interruption in cooking due to outage of Power supply, if they install this Diesel-Cum Gas run Burners and use it in exclusively Diesel Mode without depending on NPG/LPG/Electricity. As such it may be considered that these Burners will come in great help for the Commoners at different levels in the field of Cooking. Moreover, use of these Burners are going to be functionally 100% safe. 3. The working principle of Diesel-fed kitchen burner can be explained from the complete construction of both Dual-Eyed and Single-Eyed Burners of Category-1 shown in Fig-K & figure-L, which describes the main components for functioning of the Burner. Let us here take Dual-Eyed Basic Burner (K) to explain the working principle clearly. The inlet port of this burner (12) when connected with the Diesel Tank assembly (Td) at its outlet port (14) through a PU Pipe (10) and the lever of the 2-way ball valve of the Td assembly (15) when opened up and turning open the needle valves (7) of the burners, the fuel being flown from a reservoir/tank (17) under gravitation goes to the tiny holes at the ends of two nozzles (2) up to the bottom plane of the burner cups (1) via Fuel pipes (6, 6b) and the air being blown by the Fan Motor (22) goes to both the boxes (4) housing the burner Cups (1) via air pipes (27, 30). The air enters into the burner cavity (1) through the tiny holes made on its peripheral surfaces. This is how the air and fuel mixer caused inside the cavity (1) of the burner and produces flame once torched and runs as kitchen Burners for cooking. The control of

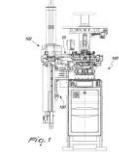
the Diesel flow by a controlling/Needle valve (7) and the control of air flow is controlled by controlling the speed of a Fan Motor (22) by an electric regulating switch (39) fitted with a turning knob (42). The Burner Cup/eye (1) is fed by NPG/LPG through the same nozzle (2) when connected with the NPG/LPG line exclusively through a PU Pipe (10) connected with another Male Quick nipple (14) fitted with the NPG/LPG line. On the other hand if we have a look on the figure Kdg we can see that the mode of fuel can be selected through a selector lever of L-Type 3-way ball valve (11) via other fittings (13, 10 & 14). This is the simplest working principle of Dual-Eyed Burner. The Single-Eyed Burner shown in Fig L also works in the same principle when constructed having only one burner cup (1), but the other arrangements for supply of Diesel and Air to the Burner Cavity (1) remains almost same. 4. This is, in a nutshell, the Invention on the process, Develop and construction of Diesel-Cum-Gas Run Dual-Eyed and Single-Eyed Burners under different categories for which I earnestly pray and hope that the Patent on this Invention along with all other Claims I placed be granted in my name and oblige thereby.



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68.	1006729	METHOD FOR CLOSING A KNITTED TUBULAR MANUFACTUR E AT AN AXIAL END THEREOF.	LONATI S.P.A , a Joint Stock company, Ettore LONATI, Italian national;; Fausto LONATI, Italian national and and Francesco LONATI, Italian national.	27/06/2021 BD/P/ 2021/195	IT 10202000002 3137 01/10/2020	D 04B 15/02, 9/40	METHOD FOR CLOSING A KNITTED TUBULAR MANUFACTURE AT AN AXIAL END THEREOF ABSTRACT A method for closing a knitted tubular manufacture at an axial end thereof, at the end of its production cycle on a circular 5 hosiery knitting machine or the like, comprising: – an initial step of production of the manufacture up to the execution of the last course of knitting, at the axial end of the manufacture that is opposite with respect to the axial end at which knitting began, retaining the loops of 10 knitting of said last course of knitting in the head of the needles of the machine that formed them; – a step of individual gripping of the loops of knitting by virtue of a pickup device (10) provided with pickup elements (29) arranged against the region of the stem of each needle located proximate to the latch on the 15 opposite side with respect to the head; – a step of removal of the manufacture from the machine that produced it, retaining each loop of knitting of the last course of knitting formed by means of the pickup elements (10); – a step of positioning the manufacture at a looping at a sewing or 20 looping station (102); – a step of individual transition of the loops of knitting from said pickup elements (29) to spikes of an annular	

handling device which is composed of two semiannular portions, one of which can be turned over with respect to the other about a diametrical axis; 25 – a step of inverting the manufacture retained by said handling device; – a step of superimposing each one of the loops of knitting of one half course of knitting on a corresponding loop of knitting of the other half course of said last course of knitting on a same spike of said handling device by means of the overturning, through an arc of substantially 180° about said 30 diametrical axis, of one of said two semiannular portions of the handling 19 device with respect to the other semiannular portion; – a step of sewing or looping the pairs of loops of knitting that are mutually superimposed;– a step of disengagement of the manufacture from said handling device, said step of removal of the manufacture comprising 5 a first extraction preparation step, a second manufacture extraction step, and a third manufacture transfer step. (Figure 2)



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69.	1006687	Environmental Friendly Brick Kiln.	Carbo Purification Technology Ltd., A company organized and existing under the laws of Bangladesh. Md. Ali Hossain, Nationality: Bangladeshi.	28/06/2021 BD/P/ 2021/199		F 27B 1/00, 1/02, 1/04	The Brick Kiln comprises of a first part of tunnel, the length of which is 250 feet wherein the water layer is 3 feet; a second part of the tunnel is 125 feet long, 6 feet wide and 8 to 12 feet high & has a water layer of 3 feet.	



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70.	1006628	MOVING PICTURE CODING DEVICE, MOVING PICTURE CODING METHOD, MOVING PICTURE CODING PROGRAM, MOVING PICTURE DECODING DEVICE, MOVING PICTURE DECODING METHOD, AND MOVING PICTURE DECODING PROGRAM.	JVCKenwood Corporation. Nationality: a corporation incorporated under the laws of Japan, (6) Hiroyuki KURASHIGE, Nationality: Japanese.; (1) Toru KUMAKURA, Nationality: Japanese;; (2) Shigeru FUKUSHIMA, Nationality: Japanese;; (3) Hideki TAKEHARA, Nationality: Japanese;; (4) Hiroya NAKAMURA, Nationality: Japanese; and (5) Satoru SAKAZUME, Nationality: Japanese and	21/12/2021 BD/P/ 2021/432	JP 2019- 117516 25/06/2019	H 04N 19/52, 19/593, 19/70	A picture coding device includes: a block vector candidate derivation unit that derives block vector candidates of a coding target block in a coding target picture from coding information stored in a coding information storage memory; a selector that selects a selected block vector from the block vector candidates; a storage that stores coded pictures of a predetermined number of intra block copy standard blocks immediately before the coding target block; and a reference region boundary correction unit that removes a coded picture of one intra block copy standard block in the storage from a referenceable region after completion of a coding process of the coding target block, and determines whether an upper left position and a lower right position of a reference block indicated by the selected block vector are both included in the referenceable region.	



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71.	1006668	A Fishing net dragging gear and it's production method.	Md.JahangirAlom, a Bangladeshi national, Md. Jahangir Alam, a Bangladesh national.	07/02/2022 BD/P/ 2022/40		B 63H 10/20	The net gear is a machine to drag and release the fishing net. It will improve the overall fishing performance. Using this machine a fishing net can be dragged and released a faster speed as compared to the conventional manual net dragging & releasing method by hand. By using this machine cast net, gill net, trammel net & purse seine net can be dragged & released.	



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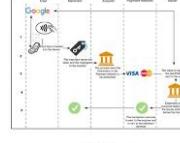
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
72.	1006701	INTERMITTENTLY CONNECTED ADVERTISING SYSTEM AND METHOD.	Margo Networks PVT. LTD. Nationality: a company organized and existing under the laws of India, (2) Ripunjay BARARIA, Nationality: Indian. and (1) Rohit PARANJPE, Nationality: Indian and	02/06/2022 BD/P/ 2022/193	IN 20202104924 9 11/11/2020	G 06Q 30/38	An intermittently connected / hybrid advertisement (“ad”) network system and method uses a combination of localized Edge Computers / Ad servers installed within the Wi-Fi network or the Local area network of the user for data streamed over the network. The system and method enables delivering measurable Ads from an existing or independent Ad network with a targeting model for services accessed while connected to the Edge computers / localized Ad servers, as well as service data downloaded by the user on a user device. The intermittently connected Ad network system and method may utilize a software development kit (SDK) which is integrated by Digital services to utilize the full functionality of the Ad network.	



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Publication of Granted Patent:
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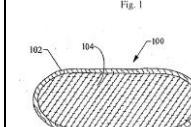
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
73.	1006702	OFFLINE PAYMENT SYSTEM AND METHOD.	Margo Networks PVT. LTD. Nationality: a company organized and existing under the laws of India, (2) Ripunjay BARARIA, Nationality: Indian. and (1) Rohit PARANJPE, Nationality: Indian and	02/06/2022 BD/P/ 2022/194	IN 20202104925 0 11/11/2020	G 06Q 3/38	An offline payment system and method allowing a user to conduct a payment transaction during different periods of connectivity of the various portions of the offline payment system. The offline payment system may include an SDK integrated into a payment application, an edge server, cloud infrastructure and a payment system.	



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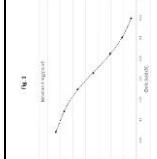
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
74.	1006665	Oral Product With Cellulosic Flavor Stabilizer.	R.J. Reynolds Tobacco Company, A Company Incorporated in USA, (1) Christopher KELLER, Nationality: US;; (3) Ronald HUTCHENS, Nationality: US and; (4) Anthony GERARDI, Nationality: US. and (2) Thomas POOLE, Nationality: US;	07/06/2022 BD/P/ 2022/201	US 16/568,003 11/09/2019	A 24B 15/40	The disclosure provides products configured for oral use, the products including a mixture of a particulate filler component, a cellulose derivative, water, and one or more flavoring agents. The products exhibit greater stability over time with respect to flavor component concentration than comparative products which do not contain a cellulose derivative.	 Fig. 1



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75.	1006666	Pouched Products With Enhanced Flavor Stability.	R.J. Reynolds Tobacco Company, Nationality: A Company incorporated in USA, (1) Christopher KELLER, Nationality: US;; (3) Ronald HUTCHENS, Nationality: US and; (4) Anthony GERARDI, Nationality: US. and (2) Thomas POOLE, Nationality: US;	07/06/2022 BD/P/ 2022/202	US 16/568,034 11/09/2019	A 24B 15/40	The disclosure provides products configured for oral use, the products including a mixture of a particulate filler, water, one or more organic acids, and one or more flavoring agents, the product having a pH value of less than about 7.0. The products exhibit greater stability over time with respect to whiteness and/or flavor component concentration than products which do not contain one or more organic acids.	



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76.	1006672	METHOD FOR SITE CONSTRUCTIO N OF PHOTOVOLTAI C POWER GENERATION PILE FOUNDATION.	Chengdu Engineering Corporation Limited, Power Construction Corporation of China. A Limited Company Incorporated in China, and Shaanxi Longhai Newly Created Foundation Engineering Co., Ltd. A Limited Company Incorporated in China, (1) LIU, Qingjie, Nationality: Chinese and and (2) JU, Qifeng, Nationality: Chinese.	17/11/2020 BD/P/ 2020/323	CN 20201041072 5.3 15/05/2020	E 02D 5/385	The present invention discloses a method for site construction of a photovoltaic (PV) power generation pile foundation, the core point of which is to adopt a cloth bag as a die to realize the construction of an exposed part of the pile, and certainly, the die may also be made of steel plates, boards or other materials. However, the PV power generation pile foundation has a large number of PV power generation piles, which are generally more than tens of thousands of piles, and thus if the die is made of the steel plates, the boards or other materials, it has shortcomings of high costs, inconvenience in construction and slow construction speed. Therefore, the present invention adopts the cloth bag as a die to construct the exposed part of the pile foundation to overcome the above shortcomings. The construction method in the present invention greatly reduces construction costs, obviously improves the construction efficiency and is ideal for PV power generation pile foundation construction.	



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77.	1006673	METHOD FOR CONSTRUCTIO N OF TUBE- SINKING CAST-IN-SITU PILE IN BACKFILL SOIL LAYER.	Chengdu Engineering Corporation Limited, Power Construction Corporation of China, A Limited Company Incorporated in China, and Shaanxi Longhai Newly Created Foundation Engineering Co., Ltd. A Limited Incorporated in China, (1) LIU, Qingjie, Nationality: Chinese and and (2) JU, Qifeng, Nationality: Chinese.	17/11/2020 BD/P/ 2020/324	CN 20201041072 6.8 15/05/2020	F 02D 5/00	The present invention discloses a method for construction of a tube-sinking cast-in-situ pile in a backfill soil layer. A single pile pipe construction is mainly applied to strata with large difference in bearing stratum elevation, the pile length is large, and the height of a pile driver tower is limited. In order to avoid frequent replacement of the pile pipe length, the single pile pipe with a special pipe end cap is adopted for construction, and each pile has one end cap. The construction method of the present invention obviously improves hole collapse, shortens a construction period, reduces costs, and has good construction quality.	



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78.	1006674	A REAR FENDER OF TWO-WHEELED VEHICLE.	HERO MOTOCORP LIMITED, an Indian Company, KUMAR, Vinod, Indian national and and BHATNAGAR, Rohit, Indian national.	17/11/2020 BD/P/ 2020/325	IN 20191104781 6 22/11/2019	B 62J 5/08	A vehicle (100) is provided having a body frame (1), a swing arm (17) pivotally mounted on the body frame (1). The swing arm comprises at least one rear arm (171) having an axel opening (201), a rear wheel (4) rotatably mounted to the swing arm (17). An adjustable rear fender (15) having at least one side member (151). At least one rear fender mounting bracket (301) comprises at least one supporting end (302) to removably mount the at least one side member (151) of the adjustable rear fender (15). At least one rear fender mounting bracket (301) comprises an elongated opening (305) for the rear wheel axle (21) to pass-therethrough. The at least one rear fender mounting bracket (301) disposed on the at least one rear arm (171) and the rear wheel axle (21) passed through the axel opening (201) and the elongated opening (305).	



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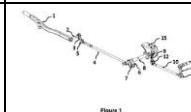
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79.	1006649	Automatic Saline Flow Stoppage Device & the System thereof.	Dr. Lafifa Jamal, Bangladeshi national,; Dr. SM Jahangir Alam, Bangladeshi national, and Dr. Md. Rakibul Hoque, Bangladeshi national. Dr. Lafifa Jamal, ; Dr. SM Jahangir Alam and and Dr. Md. Rakibul Haque, All are Bangladeshi National.	19/11/2020 BD/P/ 2020/326		A 61B 17/22	The system consists of portable monitoring devices that are connected to a central server. The saline bags are mounted using a hook at the bottom of the device which continuously monitors the saline level in the bag and sends the information to the server whereas the server has an interface which displays the levels monitored by all the devices connected to it and when the saline level drops below a certain threshold, an alarm is played by the device which can be turned from the device or via the web interface & when the saline level falls critically low, the saline flow is automatically switched off by the device. The device can be operated both in battery power or AC power outlet according to the choice of the user whereas the device is switched on using a simple ON-OFF switch.	



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80.	1006646	A HAND START MECHANISM FOR AN AUTOMOTIVE VEHICLE.	Bajaj Auto Limited, a company duly organized and existing under the laws of India, (1) NINAD VASANT DORALE, Nationality: Indian;; (2) NITIN SUDHAKAR KULKARNI, Nationality: Indian;; (3) TARUN BAJAJ, Nationality: Indian and and (4) PRAVINKUMAR DINANATH SINGH, Nationality: Indian.	24/11/2020 BD/P/ 2020/327	IN 20192104809 7 25/11/2019	F 02N 1/2	The present invention provides a hand start mechanism for starting or cranking an automotive vehicle engine wherein said hand start mechanism comprises a starting handle connected to an engine using a connecting link, levers and shafts Wherein; both ends of the said connecting link are rotatably connected to said lever by means of a joint having multidirectional degree of freedom.	



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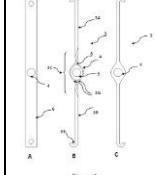
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81.	1006705	PROCESS OF PURIFICATION OF LEUCOINDIGO SALT SOLUTIONS AND USE OF AN INERT GAS.	BANN QUÍMICA LTDA., a company incorporated under the laws of Brazil,	26/11/2020 BD/P/ 2020/328	BR 10 2019 025172-7 28/11/2019	B 01D 3/38	The present invention relates to a process for the purification of leucoindigo salt solutions, for the removal of aromatic amines, particularly aniline and N-methyl aniline, which comprises the steps of: adding to a purification vessel a leucoindigo salt solution having aromatic amines, wherein said solution is in the form of a stationary mass; bubbling an inert gas into the purification vessel with a controlled flow rate, by means of a device submerged on the surface of the stationary mass; injecting with a controlled flow rate a purification gas stream into the vessel, by means of a device submerged in the stationary mass; and recovering the purified leucoindigo salt solution from the vessel. In addition, the present invention refers to the use of an inert gas in a process of purification of leucoindigo salt solutions, acting as a gaseous defoamer, capable of reducing the occurrence of foam and the consequent possibility of entraining the product of interest during the process of purification.	



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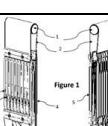
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82.	1006647	A CIRCULAR LOOM FITTED WITH SHED FORMING WARP END GUIDE.	Lohia Corp Limited, Nationality: an Indian National, LOHIA, Gaurav, Nationality: an Indian National.	26/11/2020 BD/P/ 2020/329	IN 20191104828 3 26/11/2019	D 03D 37/00	The invention discloses circular loom to make plain weave woven fabric which is provided with reduced-friction warp guide elements to achieve high speed weaving. The circular loom is fitted with shed forming warp end guide (3) provided with an upper end portion (3A), a lower end portion (3B), and a middle portion (3C). The middle portion (3C) is provided with a thread eye (4). One key aspect of the invention is that the thread eye (4) has an internal profile curved to receive a reduced-friction thread eye insert (5). The side gap (7) and the end gap (8) between said thread eye insert (5) and the internal profile of said thread eye (4) are filled with adhesive. The advantage of this is that the thread eye assembly is desirably flexible/elastic but at the same time tough to a required degree.	 Figure 3



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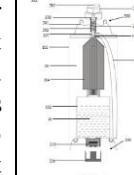
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
83.	1006643	A CIRCULAR LOOM FOR MANUFACTUR ING DOUP FABRIC AND A METHOD FOR MANUFACTUR ING IT.	Lohia Corp Limited, Nationality: an Indian National. LOHIA, Gaurav, Nationality: an Indian National.	26/11/2020 BD/P/ 2020/330	IN 20191104824 4 26/11/2019	D 03D 37/00	A circular loom to manufacture doup fabric (F) operating at achieve high speed weaving is disclosed. Conventional looms are faced with problems of undesirable friction at such speeds. The loom comprises a partial healds belt assembly which facilitates displacement of the interacting warp threads is provided on the loom. The warp threads of at least one of the pair of partial healds (4, 5), which are provided with thread eyes (3) through which the threads pass, are guided freely by thread guide means to bring about the shedding, and, on the other partial heald, to bring about a side change. In one aspect of the invention, the eyes (3) are provided with a ceramic insert (3A). The lateral movement needed to create the doup fabric (F) is facilitated by a swing control cam (6B) uses a swivel bush (12) to aid the swinging motion of swivel arm (11). As an aspect of the invention, the swivel bush (12) is made of metallic material.	



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84.	1006684	A FILLABLE AEROSOL CONTAINER.	Orientus Industry Sdn Bhd, a Malaysian National, ONG YOKE EN, Nationality: Malaysian.	26/11/2020 BD/P/ 2020/331	MY PI 2019006940 26/11/2019	B 65D 83/42	The present invention discloses an aerosol container (100) comprising a body (101) divided into a first chamber (10) and a second chamber (20) by a divider (102), in which the first chamber (10) is under atmospheric pressure and configured to receive a customisable content through an inlet (200) at the body (101) either or both during and after production of the aerosol container (100), and the second chamber (20) is under a pressurised environment and pre-filled with a pressurised content; wherein the body (101) includes a mechanism (104) which, when activated, acts on the divider (102) so as to allow mixing of the customisable content and pressurised content to form a mixture to be dispensed from the body (101) through an outlet (300).	



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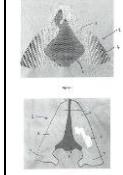
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
85.	1006650	METHOD WHICH BRINGS BENEFITS TO HEALTH AND/OR GROWTH USEFUL PLANTS.	Ishihara Sangyo Kaisha, Ltd., a company organized and existing under the laws of Japan, Taketo Suganuma; Yasutsune Tanida and and Takuya Usui, all are Japanese national.	26/11/2020 BD/P/ 2020/332	JP 2019- 237589 27/12/2019	A 01P 13/00	The object of the present invention is to find out a component which improves effects of agriculturally active ingredients, which is effective to contribute to reduction of the environmental load even in a small amount, in addition to bringing benefits to the health and/or growth of useful plants, by maximizing the effects of nicosulfuron, reducing phytotoxicity which is an undesired effect on the useful plants, etc. When nicosulfuron and isoxadifen-ethyl are used in combination, by adding a specific surfactant, benefits can be brought to the health and/or growth of useful plants even if the addition amount is remarkably smaller than the amount of the conventional adjuvant used.	



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86.	1006651	A Woven Upper.	Texon Management Limited, a company organized and existing under the laws of United Kingdom, Enrico NERI, Italian national.	29/11/2020 BD/P/ 2020/334	GB 1917466.3 29/12/2019	D 03D 15/56	The present invention provides a woven upper formed of warp yarns and weft yarns comprising a first area that is elastic in at least one of the warp or weft direction. The warp yarns and/or the weft yarns comprise at least 5% elastic yarns. The woven upper being characterised in that the elastic yarns are woven in tension. The upper may also comprise a second area having a different elasticity to the first area, wherein the the warp yarns and/or weft yarns of the second area comprise at least 5% fewer elastic yarns than the equivalent yarns of the first area. Advantageously the woven upper is woven using a jacquard machine. The present invention also provides a method of weaving the woven upper.	



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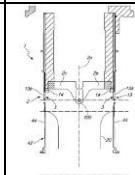
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87.	1006652	REMOVAL DEVICE FOR REMOVING A KNITTED TUBULAR MANUFACTUR E FROM A CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE.	LONATI S.P.A., a Joint Stack company, Ettore LONATI, Italian national;; Fausto LONATI, Italian national and and Francesco LONATI, Italian national.	29/11/2020 BD/P/ 2020/335	IT 10201900002 3433 10/12/2019	D 04B 15/02	A removal device (1) for removing a knitted tubular manufacture (20) from a circular knitting machine for hosiery or the like, comprising an annular removal body (2) which supports a plurality of removal members (3) arranged around the axis (2a) of the removal body (2), the removal body (2) being arrangeable coaxially around the needle cylinder (42) of a circular knitting machine for hosiery or the like with each one of the removal members (3) arranged so as to correspond to a respective needle (44) of the machine, wherein the removal members (3) are supported by a first annular portion and a second annular portion (2b, 2c) which can rotate with respect to each other about an oscillation axis (100) that is substantially perpendicular to the axis of the removal device (2a) to pass between a removal condition, in which they are arranged so as to form a circumference that is coaxial with the axis of the removal device (2a), and a sewing condition, in which the annular portions (2b, 2c) are arranged so as to face each other, the first annular portion (2b) supporting a plurality of first removal members (3a), each of which is provided with a first and a second removal element (13a, 13b) which are arranged side	

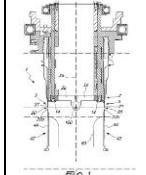
by side and are designed, during the removal of the respective loop of knitting from the corresponding needle (44), to be arranged on opposite sides with respect to the corresponding needle (44), the first and second removal elements (13a, 13b) forming a removal head (13) which can move with respect to the respective needle (44) along a movement direction that is substantially parallel to the axis (2a) of the removal body (2), the first removal element (13a) forming, at the removal head (13), a hook-shaped portion (13c) designed to engage and retain the loop of knitting in engagement with the corresponding needle (44), and the second removal element (13b) comprising, at the removal head (13), an abutment portion (13d) which can move, with respect to the hook-shaped portion (13c), in order to disengage from the hook-shaped portion (13c) the respective loop of knitting, each first removal member (3a) comprising at least one transfer element (14) which can move with respect to the removal head (13) and is designed to transfer the loop of knitting disengaged from the hook-shaped portion (13c) of the first removal member (3a) to a respective second removal member (3b) with the annular portions (2b, 2c) in the sewing condition.



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88.	1006644	REMOVAL DEVICE FOR REMOVING A TUBULAR KNITTED MANUFACTUR E FROM A CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE.	LONATI S.P.A, a Joint Stock company, Ettore LONATI, Italian national;; Fausto LONATI, Italian national and and Francesco LONATI, Italian national.	02/12/2020 BD/P/ 2020/340	IT 10201900002 3577 11/12/2019	D 04B 1/40, 15/02, D 05B 9/40	A removal device (1) for removing a tubular knitted manufacture (50) from a circular knitting machine for hosiery or the like, comprising an annular removal body (2) which supports a plurality of removal members (3) arranged around the axis (2a) of the removal body (2), which is arrangeable coaxially around the needle cylinder (42) of a circular knitting machine for hosiery or the like with each one of the removal members (3) arranged so as to correspond to a respective needle (44) of the machine; the removal members (3) are supported by first and second annular portions (2b, 2c), which can move by rotation with respect to each other about an oscillation axis (100) that is substantially perpendicular to the axis (2a) of the removal device in order to pass between a removal condition, in which they are arranged so as to form a circumference that is coaxial with the axis (2a) of the removal device, and a sewing condition, in which the annular portions (2b, 2c) are arranged so as to face each other, the removal members (3) forming a respective removal head (20) which can move on command along a removal trajectory which has a component that is parallel to the axis (2a) of the removal body (2) and at least one radial component away from the axis (2a); the removal	

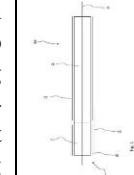
							head (20) comprises a wider portion (21) designed to penetrate within the respective loop of knitting.	
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89.	1006706	Delivery Systems.	British American Tobacco (Investments) Limited, a company organized and existing under the laws of UK, Claire Symonds, British national;; Matthew Hesford, British national;; Adrian Longdon, British national;; Kelly Howell, British national and; Umesh Dubey, Indian national. and Denis Benjak, Australian national;	03/12/2020 BD/P/ 2020/341	GB 1917917.5 06/12/2019; GB 2012049.9 03/08/2020 and GB 2012051.5 06/12/2019	A 24B 15/10, 15/16, 15/42	Disclosed herein is a delivery system comprising an aerosol-generating material comprising tobacco material and an aerosolisable material comprising an inorganic material, a binder and an aerosol-former material, and an aerosol-modifying agent release component comprising an aerosol modifying agent.	



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90.	1006707	Tobacco Composition.	British American Tobacco (Investments) Limited, a company organized and existing under the laws of UK, Claire Symonds, British national;; Matthew Hesford, British national;; Adrian Longdon, British national;; Kelly Howell, British national and; Umesh Dubey, Indian national. and Denis Benjak, Australian national;	03/12/2020 BD/P/ 2020/342	GB 1917917.5 06/12/2019; GB 2012049.9 03/08/2020 and GB 2012051.5 06/12/2019	A 24F 40/20	Disclosed herein is a tobacco composition comprising tobacco material and an aerosol former material, wherein the tobacco material comprises a leaf tobacco comprising sugars and nicotine in a weight ratio of between about 8:1 and about 20:1, wherein said leaf tobacco comprising sugars and nicotine in a weight ratio of between about 8:1 and about 20:1 is present in the tobacco material in an amount of at least 5% by weight of the tobacco material.	



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91.	1006708	MODIFIED DAAO AND THE USE THEREOF.	Hunan Lier Biotech Co., Ltd., a corporation organized and existing under the laws of China, (1) XIE, Xinkai, Nationality: Chinese;; (2) XU, Wei, Nationality: Chinese and and (3) FAN, Junying, Nationality: Chinese.	09/12/2020 BD/P/ 2020/360	CN 20191124992 4.4 09/12/2019	C 12N 15/53, C 12P 41/00, C 12Q 1/26	The present invention refers to a modified D-amino acid oxidase (DAAO). In particular, the modified DAAO of the present invention has the activity of catalyzing the oxidation of D-glufosinate into PPO. Further, the modified DAAO of the present invention has increased activity of catalyzing the oxidation of D-glufosinate into PPO and/or increased stability as compared to SEQ ID NO: 4. The present invention also refers to the polynucleotide encoding the modified DAAO of the present invention, the vector and host cell expressing the modified DAAO of the present invention, and the method of producing L-glufosinate with the modified DAAO and host cell of the present invention.	



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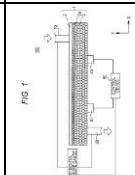
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
92.	1006720	A MOTOR VEHICLE AND A BRAKING SYSTEM THEREOF.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (1) Shanmugasundaram GOWRISANKAR, Nationality: Indian;; (2) Shanmugan MOHAN, Nationality: Indian and and (3) Karnam Venkata MANGA RAJU, Nationality: Indian.	09/12/2020 BD/P/ 2020/361	IN 20204100041 3 05/01/2020	B 60T 11/04, B 62L 3/08, F 16D 125/62	The present subject matter provides a motor vehicle comprising one or more wheels. A wheel-brake system (102) corresponding to each of said one or more wheels is provided. The wheel-brake system (102) includes a cam lever (118) and one or more brake cables (112, 116) are connected thereto. Each of one or more protective cover members (202) is provided on and covering at least a portion of corresponding elastic return member (132, 134). The protective cover member (202, 204) comprises a holding portion (222, 242) having an axial length being greater than a maximum traversal distance (Y11, Y21) of corresponding brake cable (112, 116) about the cam lever (118). The protective cover members (202, 204) have a folding portion (224, 244), which maintain desired clearance even in hard braking condition of any of the brakes.	



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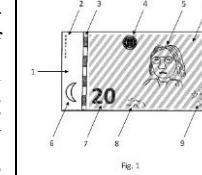
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
93.	1006697	LIQUID FILTER AND LIQUID TREATMENT METHOD.	JDC CORPORATION, a corporation organized and existing under the laws of Japan, Mutsuhiro OHNO, Japanese national;; Takeo ASAKURA, Japanese national;; Masakazu SEKIGUCHI, Japanese national and and Masakazu SEKIGUCHI, Japanese national.	10/12/2020 BD/P/ 2020/362	US 62/947,139 12/12/2019 and US 62/953,637 26/12/2019	B 01J 20/08, C 02F 1/28	Provided is a liquid filter including a housing that houses a layered double hydroxide adsorbing a harmful substance contained in a liquid, and a moving device that moves the layered double hydroxide in the housing.	



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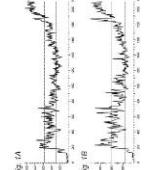
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
94.	1006721	UV-LED RADICALLY CURABLE OFFSET PRINTING INKS AND PRINTING PROCESSES.	SICPA HOLDING SA, a company organized and existing under the laws of Switzerland HOGGETT John, Citizenship: United Kingdom and and CHABRIER Stéphane, Citizenship: Switzerland.	13/12/2020 BD/P/ 2020/364	EP 19217484.5 18/12/2019	B 41M 7/00	The present invention relates to the field of UV-LED radically curable inks for offset printing of security documents. In particular, the invention relates to UV-LED radically curable offset printing inks for offset printing on a substrate or security document, said UV-LED radically curable inks having a viscosity in the range of about 2.5 to about 25 Pa s at 40°C and 1000 s-1 and comprising radically curable (meth)acrylate compounds, one or more photoinitiators of formula (I), one or more amino containing compounds selected from the group consisting of aminobenzoate compounds, amine modified polyether based acrylates and combinations thereof, and one or more fillers and/or extenders.	



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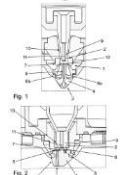
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
95.	1006685	Zeolite Composition Suitable For Tanning Leather.	Smit Tanning B.V., Nationality: A Company Incorporated in The Netherlands, (1) Wouter Egbert-Jan HENDRIKSEN, Nationality: Dutch;; (2) Dirick Jobst Alexander VON BEHR, Nationality: Dutch and and (3) Pim Jan- Willem WILGENBURG, Nationality: Dutch.	13/12/2020 BD/P/ 2020/365	NL 2024455 13/12/2019	C 01B 39/02, C 14C 3/02, 3/04	The invention relates to tanning agents for leather and concerns a zeolite composition suitable as a single tanning agent comprising zeolite, a first weak acid, a second weak acid and optionally a third weak acid. This zeolite composition enables an efficient and effective chrome-free tanning.	



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96.	1006690	SLIVER RECEIVING APPARATUS.	Saurer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, Dreßen Jochen, German national.	14/12/2020 BD/P/ 2020/366	EP 20154601.7 30/01/2020	D 01H 1/115	The invention relates to a sliver receiving apparatus for feeding a sliver coming from a drafting system to a yarn forming element of a spinning device, to an air-jet spinning device, and to a method for forming a sliver receiving apparatus for feeding a sliver coming from a drafting system to a yarn forming element of a spinning device. The sliver receiving apparatus comprises: - a basic body, which has an inlet opening for receiving the sliver fed from the drafting system; and - a sliver guiding apparatus, which is arranged downstream of the inlet opening, for feeding the sliver to the yarn forming element in a defined manner. In order to provide a sliver receiving apparatus for feeding a sliver coming from a drafting system to a yarn forming element of a spinning device, an air-jet spinning device, and a method for forming a sliver receiving apparatus that enable a spinning process with high accuracy and efficiency, the accumulation of detached fibres in the device during operation being reduced and at the same time it being possible to produce and assemble the device particularly simply, economically and flawlessly, the sliver guiding apparatus is formed from a single needle, which is formed integrally with the basic body, or the sliver guiding apparatus is formed from two	

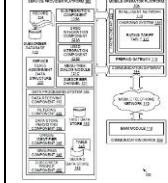
							needles arranged next to each other, the two needles extending at least partly into a blowing air nozzle section formed integrally with the basic body, for producing a rotating air flow.	
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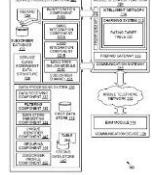
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97.	1006675	DATA PROCESSING SYSTEM AND METHOD FOR LARGE-SCALE PROCESSING OF DATA RECORDS.	Channel Technologies FZE, Nationality: A corporation organized and existing under the laws of United Arab Emirates, (1) CHATZISTAMATIOU, Antonios, Nationality: Greece and (2) LELIS, Stelios, Nationality: Greece.	15/12/2020 BD/P/ 2020/370	ZA 2020/05064 17/08/2020	G 06F 16/05	A data processing system and method for large-scale processing of data records is provided. The system includes a data receiving component for receiving raw data records including a first type of data records having static values and a second type of data records relating to transactional records with timestamps of events. The system includes a data store persisting component for persisting transformed data records into two different data stores. The system includes a table persisting component for persisting different categories of transactional records to different tables. The system includes a subscriber profile component for retrieving features relating to a subscriber from the data stores for processing to provide an output relating to the subscriber. The subscriber profile component has access to a subscriber database and individual subscriber records stored therein and is configured to access and replace the subscriber profiles of individual subscriber records with updated subscriber profiles.	



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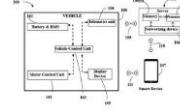
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
98.	1006709	DATA PROCESSING SYSTEM AND METHOD FOR LARGE-SCALE PROCESSING OF DATA RECORDS.	Channel Technologies FZE, Nationality: A corporation organized and existing under the laws of United Arab Emirates, (1) CHATZISTAMATIOU, Antonios, Nationality: Greece and (2) LELIS, Stelios, Nationality: Greece.	15/12/2020 BD/P/ 2020/371	ZA 2020/05064 17/08/2020	G 06F 16/00	A data processing system and method for large-scale processing of data records is provided. The system includes a data receiving component for receiving raw data records including a first type of data records having static values and a second type of data records relating to transactional records with timestamps of events. The system includes a data store persisting component for persisting transformed data records into two different data stores. The system includes a table persisting component for persisting different categories of transactional records to different tables. The system includes a subscriber profile component for retrieving features relating to a subscriber from the data stores for processing to provide an output relating to the subscriber. The subscriber profile component has access to a subscriber database and individual subscriber records stored therein and is configured to access and replace the subscriber profiles of individual subscriber records with updated subscriber profiles.	



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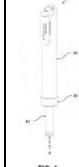
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
99.	1006695	DRIVER ASSISTANCE SYSTEM.	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (3) Samraj Jabez DHINAGAR, Nationality: Indian.; (2) Dipanjan MAZUMDAR, Nationality: Indian and and (1) Valavanur Umasankar KALPANA, Nationality: Indian;	17/12/2020 BD/P/ 2020/375	IN 20204100344 7 25/01/2020	B 60L 58/54	The present subject matter relates generally to a driver assistance system 100 and method for a vehicle 108. The driver assistance system 100 includes a vehicle 108 having a plurality of sensors, a telematics unit 104 to communicate vehicle level data to the surroundings of said vehicle 108, a display device 105 to display the vehicle level data, a server 106, and a smart device 107. The smart device 107 communicates with the server 106 on a first network and with said display device 105 on a second network. The vehicle 108, said server 106, and said smart device 107 communicates through each other via communication network. The invention is based on smart device 107 interface with different communication devices to provide the user with real time vehicle, environmental data, and user related data.	



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100.	1006696	Spring Loaded Medical Needle-Free Injection System.	IntegriMedical LLC, Nationality: A limited liability company organized in the state of Arizona USA, Hassan Salari, Nationality: Canadian.	17/12/2020 BD/P/ 2020/376	US 62/949,984 18/12/2019	A 61M 1/50	Disclosed is a fluid injection device for a needle free syringe is provided that is spring-loadable and comprises a trigger positioned within the housing and actuated by depression of a push-button disposed opposite the dispensing end at an external actuation surface disposed transverse to the injection axis. The trigger has a trigger latch configured to release a trigger catch as heaving part of the spring-loaded piston of the device. The trigger catch is configured to urge the trigger latch in a direction transverse to the injection axis when the piston moves from the unloaded position to the loaded position. The compression spring is retained around the piston and retained within the housing by a piston head. The device further comprises a syringe adapter and a safety cap which prevents accidental triggering.	



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101.	1006700	INTERMITTENTLY CONNECTED ADVERTISEMENT SYSTEM AND METHOD.	Margo Networks PVT. LTD. Nationality: a company organized and existing under the laws of India, (1) Rohit PARANJAPE, Nationality: Indian and (2) Ripunjay BARARIA, Nationality: Indian.	20/12/2020 BD/P/ 2020/377	IN 20202104924 9 11/11/2020	G 06Q 30/38	An intermittently connected / hybrid advertisement (“ad”) network system and method uses a combination of localized Edge Computers / Ad servers installed within the Wi-Fi network or the Local area network of the user for data streamed over the network. The system and method enables delivering measurable Ads from an existing or independent Ad network with a targeting model for services accessed while connected to the Edge computers / localized Ad servers, as well as service data downloaded by the user on a user device. The intermittently connected Ad network system and method may utilize a software development kit (SDK) which is integrated by Digital services to utilize the full functionality of the Ad network.	



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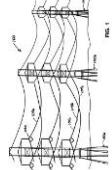
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
102.	1006703	OFFLINE PAYMENT SYSTEM AND METHOD.	Margo Networks PVT. LTD. Nationality: a company organized and existing under the laws of India, (1) Rohit PARANJAPE, Nationality: Indian and (2) Ripunjay BARARIA, Nationality: Indian.	20/12/2020 BD/P/ 2020/378	IN 20202104925 0 11/11/2020	G 06Q 3/38	An offline payment system and method allowing a user to conduct a payment transaction during different periods of connectivity of the various portions of the offline payment system. The offline payment system may include an SDK integrated into a payment application, an edge server, cloud infrastructure and a payment system.	



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103.	1006710	PORTED HARDWARE FOR OVERHEAD ELECTRICAL CABLES.	CTC GLOBAL CORPORATION, Nationality: a corporation organized and existing under the laws of Delaware, United States of America, (1) Xiaoyuan Dong, Nationality: US;; (2) William Webb, Nationality: US;; (5) Christopher Wong, Nationality: US.; (3) Ian M. Pilling, Nationality: US; and (4) Douglas A. Pilling, Nationality: US and	20/12/2020 BD/P/ 2020/379	US 62/952,113 20/12/2019	H 02G 7/00	Electrical line hardware such as termination arrangements and splices for use with overhead electrical cables that enable the interrogation of the overhead electrical cables through the hardware. The hardware includes at least one port to facilitate access to the strength member of the electrical cable so that interrogation instruments may operatively couple to the strength member and to interrogation elements such as optical fibers associated with the strength member. The interrogation may occur after the overhead electrical cable has been fully tensioned and secured by the hardware, e.g., secured to a support tower.	



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104.	1006711	Bacillus strains with the ability to degrade inorganic nitrogen compounds.	Evonik Operations GmbH, a company incorporated under the laws of Germany, (i) Christos Giatsis, Greek nationality; (ii) Michelle Dargatz, German nationality; (iii) Dr. Lorena Stannek-Göbel, German nationality and (iv) Dr. Stefan Pelzer, German nationality.	20/12/2020 BD/P/ 2020/380	EP 20151668.9 14/01/2020	A 01N 63/20, C 02F 3/34, C 12R 1/125	The invention concerns new Bacillus strains which are able to degrade effectively inorganic nitrogen compounds and are further able to inhibit the growth of pathogens of aquatic animals.	



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105.	1006722	An IP Address failover system and method for a redundant computer used in a redundant network.	CASCO SIGNAL CO., LTD., Nationality: A company organized and existing under the laws of China, (1) Yan YU, Nationality: Chinese;; (2) Zhijun JI, Nationality: Chinese;; (3) Haodong LIU, Nationality: Chinese;; (4) Liang CHEN, Nationality: Chinese;; (5) Chen LIU, Nationality: Chinese;; (6) Mingwang XU, Nationality: Chinese;; (7) Limin NING, Nationality: Chinese and (8) Xin LI, Nationality: Chinese.	21/12/2020 BD/P/ 2020/383	CN 20201011950 6.X 26/02/2020	H 04L 12/24, 12/26, 29/12	Disclosed are a redundant network IP smart failover method based on a redundant computer and a corresponding system. Each computer in any computer group comprises an IP address switching module, a network status detecting module, and a peer fault detecting module, wherein the IP address switching module is configured to smoothly switch an IP address in the redundant network; the peer fault detecting module is configured to mutually exclusively and stably acquire operation statuses of peer computers and quickly obtain a correct redundant network IP when necessary; and the network status detecting module is configured to determine status of the local network and status of the remote network to facilitate the IP address switching module to smartly switch the IP address. By additionally configuring a network status detecting module and a peer fault detecting module to aid the IP address switching module to allocate IP addresses more smartly, the disclosure can significantly improve reliability of the redundant network and effectively reduce IP conflicts during the redundant network failover process.	



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106.	1006723	A process for identifying genuine and fake products based on ant-fake coding technology.	Dr. Jiaul Islam, Nationality: Australian,	22/12/2020 BD/P/ 2020/385		G 06V 30/00		



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107.	1006730	METHOD, APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM FOR PROCESSING GRAPHIC CODE-BASED SERVICES.	Alipay Labs (Singapore) Pte. Ltd., A Company incorporated in Singapore, (1) Jun YIN, Nationality: Chinese;; (2) Xi SUN, Nationality: Chinese and and (3) Ji ZHENG, Nationality: Chinese.	22/12/2020 BD/P/ 2020/388	CN 20191137616 5.8 27/12/2019	G 06Q 20/32	A method for processing services in this specification includes: parsing a service graphic code of a service participant, to obtain identification information of the service participant, where the service participant is associated with at least one service responding server, each of the at least one associated service responding server is configured with corresponding basic service information for the service participant, and a mapping relationship between the basic service information generated by the each of the at least one associated service responding server for the service participant and the identification information is uploaded to an index platform for recording; sending a query request for the service participant to the index platform based on the identification information, for the index platform to determine candidate basic service information corresponding to the identification information according to the recorded mapping relationship; and obtaining target basic service information matching a service requester client in the candidate basic service information, and performing service processing related to the service participant based on the target basic service information and supplementary service information that is inputted by a service requester into the	

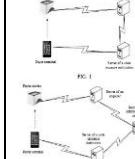
						service requester client.	
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108.	1006731	Method And Apparatus For Implementing Barcode-Based System Reader.	Alipay Labs (Singapore) Pte. Ltd., A Company Incorporated In Singapore, (2) Jun YIN, Nationality: Chinese;; (5) Xi SUN, Nationality: Chinese;; (1) Ji ZHENG, Nationality: Chinese;; (3) Yong PAN, Nationality: Chinese;; (4) Haiyan LV, Nationality: Chinese;; (6) Jie SONG, Nationality: Chinese and and (7) Jing YANG, Nationality: Chinese.	24/12/2020 BD/P/ 2020/389	CN 20191134774 5.4 24/12/2019	G 06Q 20/32	This specification provides a method for implementing a barcode-based payment. The method is applicable to a payer terminal and includes: obtaining a payment code value, where the payment code value includes a code issuance institution identifier and payment account information, and the payment account information corresponds to an account in a code issuance institution having the code issuance institution identifier; and rendering the payment code value as a barcode and then displaying the barcode, for a payee device to scan the barcode and then upload the code issuance institution identifier and the payment account information to a server of an acquirer, where the server of the acquirer determines a code issuance institution according to the code issuance institution identifier, and a server of the code issuance institution determines, according to the payment account information, a payment account used for a current payment.	



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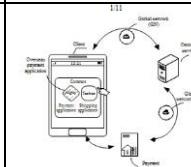
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
109.	1006704	METHOD, APPARATUS, DEVICE, AND MEDIUM FOR DISPLAYING DATA AND IMPLEMENTIN G PAYMENTS.	Alipay Labs (Singapore) Pte. Ltd. A Company Incorporated in Singapore, Yong PAN, Nationality: Chinese.	24/12/2020 BD/P/ 2020/392	CN 20201001809 0.2 08/01/2020	G 06Q 20/32	Embodiments of this specification disclose methods, apparatuses, devices and media for displaying data and implementing payments. The method for displaying data includes: searching for a data processing signal after a predetermined condition is triggered; determining target data included in the data processing signal after receiving the data processing signal; and determining a dimension for data to be displayed according to the target data, and displaying data conforming to the dimension.	



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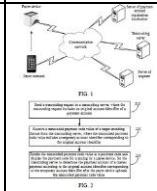
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
110.	1006712	Method, Apparatus, And System For Session Establishment, And Method, Apparatus, And System For Cross-Border Payment.	Alipay Labs (Singapore) Pte. Ltd. A Company Incorporated in Singapore, Junhua ZHENG, Nationality: Chinese	24/12/2020 BD/P/ 2020/393	CN 20201006216 2.3 19/01/2020	H 04L 29/08	One or more embodiments of this specification provide a method for session establishment, apparatus, and system, and a method for cross-border payment, apparatus, and system. The method for session establishment includes: determining whether a session identifier exists locally after detecting a preset service trigger operation for a payment application installed on a client; if no session identifier exists locally in the client, determining whether a staying-logged-in identifier exists locally, where the staying-logged-in identifier is sent by a central server for a request for authorized login of the client; and if the staying-logged-in identifier exists locally in the client, sending a staying-logged-in request to the central server based on the staying-logged-in identifier, for the central server to respond to the staying-logged-in request and establish a trusted session with the client.	



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111.	1006713	METHOD AND APPARATUS FOR IMPLEMENTING BARCODE-BASED PAYMENT.	Alipay Labs (Singapore) Pte. Ltd. A Company Incorporated in Singapore, (2) Junhua ZHENG, Nationality: Chinese and (1) Tingting ZHANG, Nationality: Chinese and	27/12/2020 BD/P/ 2020/395	CN 20201003290 2.9 13/01/2020	G 06Q 20/32	This specification provides a method for implementing a barcode-based payment, applicable to a payer terminal, the method including: sending a transcoding request to a transcoding server, where the transcoding request includes an original account identifier of a payment account; receiving a transcoded payment code value of a target encoding format from the transcoding server, where the transcoded payment code value includes a temporary account identifier corresponding to the original account identifier; and rendering the transcoded payment code value as a payment code and displaying the payment code for scanning by a payee device, for the transcoding server to determine the payment account of a current payment according to the original account identifier corresponding to the temporary account identifier after the payee device uploads the transcoded payment code value.	



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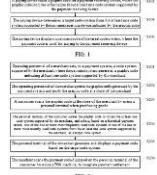
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
112.	1006714	Method of Dyeing Textiles with Lignin.	The H.D. Lee Company, Inc. Nationality: A Corporation of Delaware, USA,	27/12/2020 BD/P/ 2020/396	US 17/126,169 18/12/2020 and US 62/988,980 13/03/2020	D 06P 1/46	Dye baths including an aqueous solution including lignin in a range of 10% to 30% by weight of the aqueous solution. In addition, methods of dyeing fibers, yarns, textiles, or garments with an aqueous solution including 10% to 30% lignin by weight is disclosed. Further, methods of dyeing a fabric including preparing a first dye bath including an aqueous solution having lignin in a range of 10% to 30% by weight of the aqueous solution and passing a fabric through the first dye bath such that the fabric picks up lignin to dye the fabric is disclosed.	



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Publication of Granted Patent:
No: 01 (November 02, 2022)

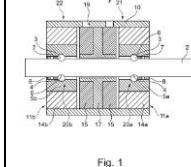
ক্রমিক নং (Serial no.)	Patent No.	উন্নাবনের শিরোনাম (Title of the Invention)	আবেদনকারী ও উন্নাবকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
113.	1006715	Method, Paying Device, And Electronic Device For Displaying Payment Code.	Alipay Labs (Singapore) Pte. Ltd. Nationality: A Company Incorporated in Singapore, Zongwang HU, Nationality: Chinese	29/12/2020 BD/P/ 2020/397	CN 20201024747 3.7 31/03/2020	G 06Q 20/20	Embodiments of this specification provide a method for displaying a payment code, a paying device, and an electronic device. The method for displaying a payment code includes: scanning, by the paying device, a graphic code for a payment receiving device, where the graphic code includes information about at least one code system supported by the payment receiving device; determining, by the paying device, a target code system from the at least one code system supported by the payment receiving device indicated by the graphic code; and displaying, by the paying device, a payment code of the target code system, where the payment code is used for paying to the payment receiving device.	



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114.	1006694	Shaft bearing for a spinning rotor with outer rings borne in a resiliently movable manner.	Sauer Spinning Solutions GmbH & Co. KG., a company organized and existing under the laws of Germany, Haberkorn, Dieter, German national.; Jakob, Michael, German national; and Stocker, Frank, German national and	17/02/2021 BD/P/ 2021/51	DE 10202010462 7.8 21/02/2020	D 01H 4/12, F 16C 27/00, 33/00, 33/66	The invention relates to a shaft bearing for bearing a spinning rotor of a rotor spinning machine, comprising a double-row rolling-element bearing having two rows of rolling members, which, on the inside, roll, without any inner ring, on two inner raceways spaced apart from one another on a rotor shaft, and which, on the outside, roll on outer raceways of two separate outer rings. To provide a shaft bearing for bearing a spinning rotor of a rotor spinning machine that is highly reliable even at speeds of more than 110,000 revolutions per minute and allows for fault-free operation of a rotor spinning machine equipped with said shaft bearing, the outer rings are borne in a shaft bearing housing in a resiliently movable manner.	



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115.	1006676	OPTICAL SECURITY ELEMENT HAVING A LIGHT-REDIRECTING SURFACE WITH A RELIEF PATTERN, METHOD OF VISUALLY AUTHENTICATING AN OBJECT MARKED WITH THE OPTICAL ELEMENT, METHOD OF DESIGNING THE RELIEF PATTERN OF THE LIGHT-REDIRECTING SURFACE.	SICPA HOLDING SA, a company organized and existing under the laws of Switzerland, SCHWARTZBURG, Yuliy, nationality: USA;; TESTUZ, Romain, nationality: Switzerland and CALLEGARI, Andrea, nationality: Switzerland.	01/04/2021 BD/P/ 2021/100	EP 20168421.4 07/04/2020	B 42D 25/324, 25/445	The invention relates to an anti-copy optical element comprising a caustic layer and a mask layer configured to simultaneously display a visible image reproducing a reference image and form a projected image containing a visible caustic pattern reproducing a reference pattern, upon illumination of the optical element with a light source, the projected image being distinct from the reference image. The invention also relates to a method for designing a relief pattern of a light-redirecting surface of said caustic layer consistently with the transmission properties of the mask layer.	