গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১,মতিঝিল বা/এ, ঢাকা-১০০০।
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নং-৩৬.০৮.০০০০.২০০.১৬.০০১.২২. ৪৯৭ (৯)

তারিখঃ ১৯/০৪/২০২৬ খ্রি.

বিষয়ঃ মঞ্জুরকৃত পেটেন্ট আবেদনসমূহ প্রকাশ

উপর্যুক্ত বিষয়ের প্রেক্ষিতে জানানো যাচ্ছে যে, অধিদপ্তরে দাখিলকৃত পেটেন্ট আবেদনসমূহের মধ্যে ৩২ (বত্রিশ)টি পেটেন্ট (২০২১ সালের পেটেন্ট আবেদন নং-৪৩৭, ৪৪৪; ২০২২ সালের পেটেন্ট আবেদন নং-৮, ৯, ১১, ৩২, ৫৪, ৫৬, ১০৬, ১১৫, ১৩৫, ১৪৩, ১৬৫, ১৭১, ১৭৩, ২০৬, ২৩৩, ২৪৫, ২৫৪, ২৮১, ২৮২, ৩২৩, ৩৩১, ৩৩২, ৩৩৪, ৩৩৭, ৩৮৪; ২০২৩ সালের পেটেন্ট আবেদন নং-৮, ১৮, ১৪৮, ১৬৩; ২০২৪ সালের পেটেন্ট আবেদন নং- ২০৯) মঞ্জুর করা হয়েছে। মঞ্জুরকৃত উক্ত পেটেন্ট আবেদনসমূহ বাংলাদেশ পেটেন্ট আইন, ২০২৩ এর ধারা ২৪(২)(ক) মোতাবেক প্রকাশ করা হলো।

সংযুক্তিঃ ৩২ (বত্রিশ) পাতা।

১৯/০৪/২৬

মোঃ হাবিবুর রহমান
উপ-পরিচালক (পেটেন্ট)

অনুলিপিঃ
১। পরিচালক (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
২। সিস্টেম এনালিস্ট, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর। (ওয়েবসাইটে প্রকাশের জন্য)
৩। উপ-পরিচালক (পেটেন্ট) (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
৪। মহাপরিচালক মহোদয়ের ব্যক্তিগত সহকারী, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।

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Publication of Granted Patent
No.: 13 & Date: April 19, 2026

(11) Patent registration No and date 1007074, 19/02/2026
(21) Appl. No. BD-P-2021-437
(22) Filed: 22/12/2021

(23) Priority Data:
Japan, Number :2021000658, Date : 06-01-2021.

(71) Applicant: JFE STEEL CORPORATION of 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011, Japan, Nationality -Japan

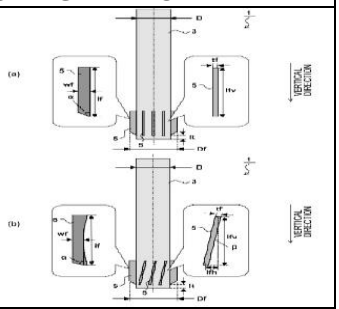
(72) Inventors: (1) Yuto OHBA of Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan, Japan Nationality -Japan

(74) Agent : M. A. KASHEM BHUIYAN, ADVOCATE, REMFRY & SON LIMITED, 56, NEW ESKATON ROAD, 4TH FLOOR, DHAKA-1000, BANGLADESH, DHAKA, Bangladesh

(51) INT. CL. : E03B 1/00

(54) Invention Title: PILE, PILE INSTALLATION METHOD, STRUCTURAL OBJECT, STRUCTURAL OBJECT CONSTRUCTION METHOD, PILE DESIGNING METHOD, AND PILE MANUFACTURING METHOD

(57) Abstract
A pile 1 according to the present invention includesa plurality of fins 5 that have plate shapes and are disposed on an outer peripheral surface of a pile body 3 at a lower end portion of the pile body 3, and each of the plurality of fins 5 has a vertical length of 1 to 1.75 times an outer diameter of the pile body 3 and has a tilt angle of 0° to 45°with respect to a central axis of the pile body 3.



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(11) Patent registration No and date 1007076, 19/02/2026
(21) Appl. No. BD-P-2021-444
(22) Filed: 27/12/2021

(23) Priority Data:
United States of America, Number :63131364, Date : 29-12-2020.

(71) Applicant: Telefonaktiebolaget LM Ericsson (publ) of SE-164 83 Stockholm, Sweden, Nationality -Sweden

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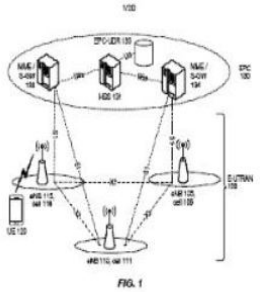
(51) INT. CL. : H04W 72/1268

(54) Invention Title: REPORTING UPLINK DATA ARRIVAL FOR DEACTIVATED SECONDARY CELL GROUP (SCG).

(57) Abstract

Embodiments include methods for a user equipment (UE) configured with a master cell group (MCG) and a secondary cell group (SCG) in a wireless network. Such methods include, while the SCG is in a deactivated state, determiningavailability of uplink (UL) data for transmission via the SCG and calculatingan available UL data volume. Such methods also include transmitting an indication ofthe available UL data volume to the wireless network via one or more of the following:the SCG in the deactivated state;the SCG after being activated;the SCG after receiving an indication, from the wireless network, that the SCG should be activated; andthe MCG. Other embodiments include complementary methods for a first node configured to provide the MCG and for a second node configured to provide the SCG, and UEs and network nodes configured to perform such methods.



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৯১, মতিঝিল বা/এ, ঢাকা-১০০০
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Publication of Granted Patent
No.: 13 & Date: April 19, 2026

(11) Patent registration No and date 1007064, 19/02/2026
(21) Appl. No. BD-P-2022-8
(22) Filed: 16/01/2022

(23) Priority Data:
India, Number :202141010398, Date : 12-03-2021.

(71) Applicant: TVS MOTOR COMPANY LIMITED of Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

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(74) Agent : ISLAM & CO. , 19/D, East Noyatola, (3rdFloor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : F02D 3/00

(54) Invention Title: A METHOD OF CONTROLLING FUEL SUPPLIED TO AN ENGINE USING A FUEL CONTROL SYSTEM.

(57) Abstract

The present subject matter relates generally a fuel control system (100) in a vehicle. The fuel control system (100) for controlling the fuel supplied to an engine (101) comprising one or more enclosed body portion (102) to form one or more pressure reducer (106, 107); a fuel temperature-pressure sensor (103), said fuel temperature-pressure sensor (103) being fluidically connected to a fuel volume and disposed on one or more enclosed body portion (102); and a flow adjuster (104) configured to control an area of flow path of the fuel between the one or more enclosed body portion (102) and an engine intake passage (112). The present subject matter provides the fuel control system (100) which supplies precisely metered fuel with instantaneous understanding of the fuel parameters to improve the accuracy of fuel requirement calculations, and also to improves performance, fuel economy, reduces emission, has a good start ability, can detect any leak, is cost effective and safe for a user of the vehicle.

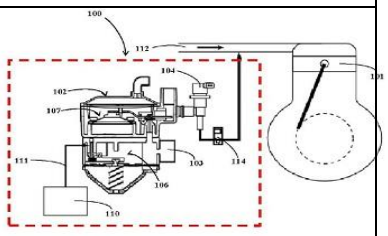

Fig. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007067, 19/02/2026
(21) Appl. No. BD-P-2022-9
(22) Filed: 16/01/2022

(23) Priority Data:
India, Number :202141011007, Date : 16-03-2021.

(71) Applicant: TVS MOTOR COMPANY LIMITED of Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

(72) Inventors: (1) Pattabiraman VENUGOPAL of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (2) Pradheep RAJASEKARAN of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (3) Anandkumar KUMARASWAMY of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (4) Duraikkannan ELUMALAI of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India

(74) Agent : ISLAM & CO. , 19/D, East Noyatola, (3rdFloor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : F22B 3/04

(54) Invention Title: A HIGH PRESSURE REDUCER APPARATUS

(57) Abstract
The present subject matter generally relates to a high pressure reducer apparatus (200). The high pressure reducer apparatus (200) reduces the effect of fluctuation in the fuel metering due to the transient condition of the running engine (403) of a vehicle. The high pressure reducer apparatus (200) ensures that the fuel gas supplied to the engine (403) is controlled and immune to any fluctuations caused by the transient condition of the running engine (403) which ensures better drivability and improved rider comfort.

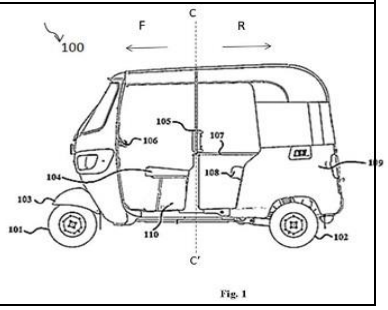

Fig. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007075, 19/02/2026
(21) Appl. No. BD-P-2022-11
(22) Filed: 16/01/2022

(23) Priority Data:
United States of America, Number :63138238, Date : 15-01-2021.

(71) Applicant: Telefonaktiebolaget LM Ericsson (publ) of SE-164 83 Stockholm, Sweden., Nationality -Sweden

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(74) Agent : M. A. KASHEM BHUIYAN, ADVOCATE, REMFRY & SON LIMITED, 56, NEW ESKATON ROAD, 4TH FLOOR, DHAKA-1000, BANGLADESH, DHAKA, Bangladesh

(51) INT. CL. : H04L 41/08

(54) Invention Title: SEARCH SPACE CONFIGURATION FOR WIDEBAND COMMUNICATIONS

(57) Abstract

A method, network node and wireless device (WD) for search space configurations for wideband communications are disclosed. According to one aspect, a method in a network node (16) includes determining a WD processing capability N_(BD,μ)^(B"-" slot)and N_(CCE,μ)^(B"-" slot), for processing a physical downlink control channel, PDCCH, according to: an operating numerology, μ; and a number B of slots. The method also includes configuring the WD (22) to monitor for PDCCH based at least in part on the determined processing capability; and transmitting PDCCH to the WD (22) in at least one of two slots n_0 and n_0+x in which the WD (22) monitors for PDCCH, where x is greater than zero.

FIG. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007069, 19/02/2026
(21) Appl. No. BD-P-2022-32
(22) Filed: 03/02/2022

(23) Priority Data:
India, Number :202141012633, Date : 24-03-2022.

(71) Applicant: TVS MOTOR COMPANY LIMITED of 12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India., Nationality -India

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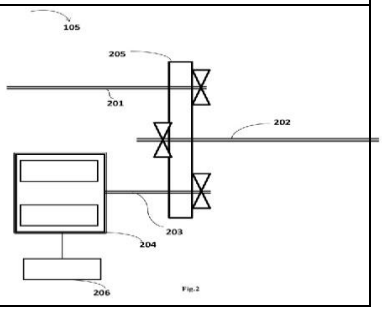
(74) Agent : MD. ZAHIRUL ISLAM, ADVOCATE, ISLAM & CO, 19/D, EAST NOYATOLA, (3RD FLOOR) MOGH BAZER, DHAKA- 1217 BANGLADESH, DHAKA, Bangladesh

(51) INT. CL. : B60R 1/00

(54) Invention Title: A START ASSIST SYSTEM FOR A VEHICLE"

(57) Abstract

The present invention provides an automatic start assist system (105) for assisting starting of an engine (100) during cold condition or at situations where engine require more throttle opening. The start assist system (105) have a cable link bridge (205); a throttle cable (201); an input cable (202), a start assist cable (203) a solenoid actuator (204) and an ECU (206). The cable link bridge connects all the three cable (201,202,203). The throttle cable (201) provides input from a user, while the start assist cable (203) provide input from the ECU (206) for throttle opening.



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(11) Patent registration No and date 1007062, 19/02/2026
(21) Appl. No. BD-P-2022-54
(22) Filed: 20/02/2022

(23) Priority Data:
India, Number :202141012684, Date : 24-03-2021.

(71) Applicant: TVS MOTOR COMPANY LIMITED of Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

(72) Inventors: (1) MOSALI NAGARJUN REDDY of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (2) DUMPALA GANGI REDDY of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (3) VENUGOPALAN PATTABIRAMAN of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India

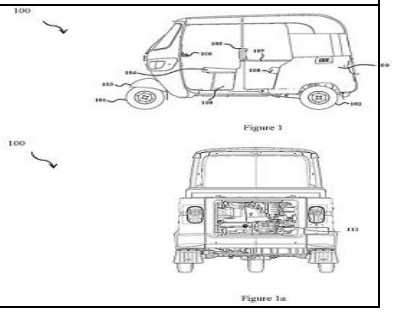
(74) Agent : ISLAM & CO. , 19/D, East Noyatola, (3rdFloor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : B63H 20/12

(54) Invention Title: A STEERING ASSMEBLY AND A METHOD THEREOF

(57) Abstract

The present invention discloses a motor vehicle having frame assembly (200). The frame assembly (200) includes a head tube (201). An electrical power steering system (301) is disposed between a steering means and a steering member, where the steering member is disposed coaxially with respect to the head tube of the vehicle, eliminating toppling of the vehicle.



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(11) Patent registration No and date 1007065, 19/02/2026
(21) Appl. No. BD-P-2022-56
(22) Filed: 22/02/2022

(23) Priority Data:
India, Number :202141015356, Date : 31-03-2021.

(71) Applicant: TVS MOTOR COMPANY LIMITED of Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

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(51) INT. CL. : B60K 6/42

(54) Invention Title: HYBRID POWERTRAIN UNIT FOR A VEHICLE

(57) Abstract
The present invention discloses a hybrid power unit (135) for a two wheeled vehicle, where hybrid power unit (135) includes an engine assembly (122), an electric motor assembly (207), and a transmission assembly (121). The electric motor assembly being disposed offset with respect to a centerline extending in front rear direction, when vehicle is viewed from front view. In another embodiment an integrated starter generator being disposed inside a crankcase of the engine assembly. Both the embodiments ensures compact configuration of the hybrid power unit in the vehicle.

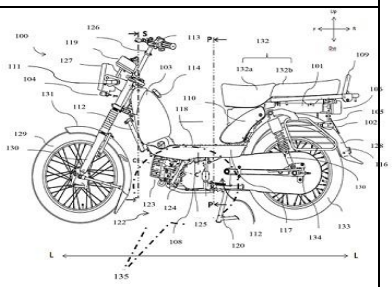

Fig. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
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(11) Patent registration No and date 1007054, 15/01/2026
(21) Appl. No. BD-P-2022-106
(22) Filed: 20/03/2022

(23) Priority Data:
France, Number :2102966, Date : 24-03-2021.

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(72) Inventors:

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(51) INT. CL. : D03C 9/06

(54) Invention Title: Pulling mechanism for controlling the heald frames of a loom and loom comprising such a mechanism

(57) Abstract

This pulling mechanism for controlling the heald frames of a loom equipped with a shedding machine comprises a set of connecting rods and oscillating levers (72) coupled to the set of connecting rods, for each heald frame, for returning a movement of the shedding machine to the heald frame. The pulling mechanism comprises at least one measuring portion (72C), equipped with a target (100) configured to interact with a sensor (110). For easier mounting and dismounting of the targets on the measuring portions, each measuring portion is provided on a peripheral wall of one of the oscillating levers (72), or a stabilizer of the pulling mechanism, the target being reversiblymounted on the measuring portion (72C).

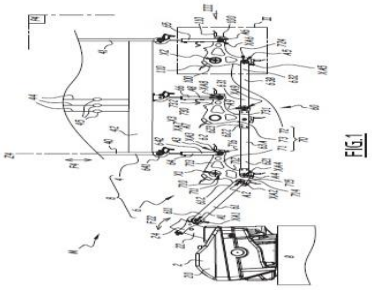
FIG.1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007068, 19/02/2026
(21) Appl. No. BD-P-2022-115
(22) Filed: 23/03/2022

(23) Priority Data:
India, Number :202141012345, Date : 23-03-2021.

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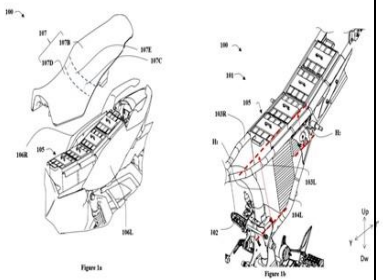
(74) Agent : ISLAM & CO. , 19/D, East Noyatola (3rd Floor), Mogh Bazar, Dhaka-1217, Bangladesh

(51) INT. CL. : B62C 1/00

(54) Invention Title: A RECEIVING CHAMBER ASSEMBLY FOR A STRADDLE TYPE VEHICLE

(57) Abstract

The present invention relates to frame assembly (101) for a straddle type vehicle (100). The frame assembly (101) comprises a pair of left and right rear tubes (103L, 103R). The pair of left and right rear tubes (103L, 103R) being extending in a longitudinal direction (Y-Y') of said vehicle (100) from a portion of a main tube (102). A receiving chamber assembly (105) being mounted on said pair of left and right rear tubes (103L, 103R) of a said frame assembly (101). The receiving chamber assembly (105) being accessible in an open condition of said seat assembly (107). Therefore, seat assembly (107) covers the receiving chamber assembly (105) which provides antitheft arrangement without an additional locking mechanism.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication of Granted Patent
No.: 13 & Date: April 19, 2026

(11) Patent registration No and date 1007089, 09/03/2026
(21) Appl. No. BD-P-2022-135
(22) Filed: 30/03/2022

(23) Priority Data:
China, Number :2021085107, Date : 01-04-2021.

(71) Applicant: Nokia Technologies OY of Karakaari 7, Espoo 02610, Nationality -Finland

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(51) INT. CL. : H04N 21/262

(54) Invention Title: Timing Advance Validation For Small Data Transmission

(57) Abstract
Example embodiments of the present disclosure relate to Timing Advance validation for Small Data Transmissions. A first device includes at least one processor; and at least one memory including computer program codes; wherein the at least one memory and the computer program codes are configured to, with the at least one processor, cause the first device to: receive TA validation configuration information associated with one or more downlink reference beams for an inactive state of the first device from a second device, select a CG resource to transmit a data packet to the second device based on a CG resource configuration for small data transmissions of the first device, and verify, based at least on the TA validation configuration information and the selected CG resource, TA validity of the first device.

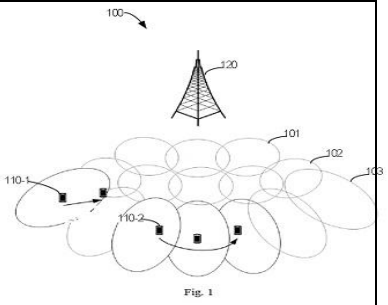

Fig. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007057, 15/01/2026
(21) Appl. No. BD-P-2022-143
(22) Filed: 31/03/2022

(23) Priority Data:
India, Number :202141019821, Date : 30-04-2021.

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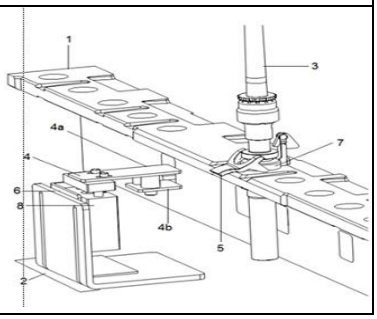
(74) Agent : Remfry & Son Limited, 56, New Eskaton Road, 4th Floor, Dhaka-1000, Bangladesh

(51) INT. CL. : D01H 7/22

(54) Invention Title: SPINDLE BRAKE ACTUATING ARRANGEMENT FOR AUTOMATIC PIECING UNIT OF RING SPINNING MACHINE

(57) Abstract
An automatic piecing unit (2) for piecing a broken yarn on a ring spinning machine (1) having a plurality of spindles (3) includes a spindle brake actuating means (4) for actuating a spindle brake (5) of the spindle (3). The spindle brake actuating means (4) is configured to include two horizontal plates (4a, 4b) spaced apart from each other. The two horizontal plates (4a, 4b) are configured to encompass the spindle brake (5) of ring spinning machine such that the lever of the spindle brake (5) is passed in between the two horizontal plates (4a, 4b) of the spindle brake actuating means (4), for engaging and disengaging the spindle brake (5) fitted in ring spinning machine for braking action.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007085, 19/02/2026
(21) Appl. No. BD-P-2022-165
(22) Filed: 08/05/2022
(23) Priority Data:
Italy, Number :2021000011552, Date : 06-05-2021.

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(74) Agent : Remfry & Son Limited, 56, New Eskaton Road, 4th Floor, Dhaka-1000, Bangladesh

(51) INT. CL. : D05B 7/00

(54) Invention Title: LINKING MACHINE PROVIDED WITH AN IMPROVED GUIDE FOR ALIGNING TWO FABRIC EDGES TO BE JOINED

(57) Abstract
A linking machine (104) comprising a fixed unit comprising a support frame (108), a mobile unit (200) comprising a device for advancing or transporting (116) the fabric along a longitudinal direction (Y-Y), a device for positioning (120) a needle (110) along a transverse direction (X-X), perpendicular to said longitudinal direction (Y-Y) and coplanar with the fabric, an actuator device (124) of said needle (110) in a vertical direction (Z-Z), perpendicular to said longitudinal (Y-Y) and transverse (X-X) directions, for performing the linking. Advantageously, the linking machine (104) comprises a feed guide (20) for two fabrics to be joined, such as a neck (1,10), provided with a separating cotton (3) and a knitted fabric (6), positioned upstream of said needle (110) in the longitudinal direction (Y-Y). The feed guide (20) comprising a first stop (21) suitable to constitute an abutment and a positioning for said separating cotton (3) of the neck (1,10), said first stop (21) being adjustable in position along said transversal direction (X-X) so as to be able to adjust a distance (a) of the seam line (13) from the inner edge of the neck (5).

FIG.1A - PRIOR ART

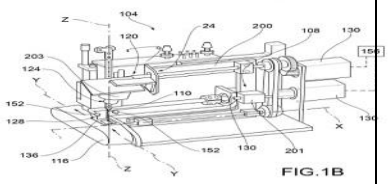

FIG.1B

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

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(11) Patent registration No and date 1007058, 15/01/2026
(21) Appl. No. BD-P-2022-171
(22) Filed: 12/05/2022

(23) Priority Data:
European Patent Office (EPO), Number :210001376, Date : 15-05-2021.

(71) Applicant: Sanko Tekstil Isletmeleri San. Tic. A.S of 3. Organize San. Bölgesi, 83209 NOLU CAD. NO:4, Sehitkamil, Gaziantep, Nationality -Turkey

(72) Inventors: (1) Mr.Dr. Frank Werfel of HeilemannstraBe 12, 04227 Leipzig , Turkey Nationality -Germany, (2) Ms. Uta Flögel-Delor of Hellernring 12, 04861 Torgau/ OT LoBwig, Turkey Nationality -Germany

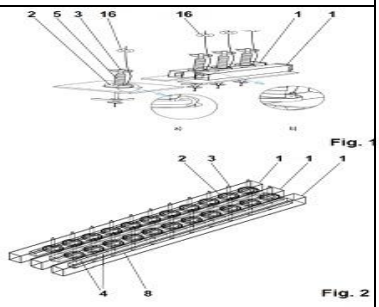
(74) Agent : Remfry & Son Limited, 56, New Eskaton Road, 4th Floor, Dhaka-1000, Bangladesh

(51) INT. CL. : D01H 7/60

(54) Invention Title: Device for winding and twisting fibre material in ring spinning or ring twisting frames and a method using such device

(57) Abstract

The invention relates to a device and to a method than can be applied by said device, which serve for winding and twisting in particular yarns in ring spinning and ring twisting frames. The solution provided makes use of arrangements of hightemperature superconducting magnetic bearings in order to prevent burning of the yarn, by the rotation of the permanent magnetic rotors arranged coaxially to the spindles, in the case of high speeds. Proceeding from the prior art, the object of the invention consists in providing a device and a method for winding and twisting fibrous material in ring spinning and ring twisting frames, by means of which the operating speed of the frames can be substantially increased, higher productivity during ring spinning can be achieved, and the outlay, in terms of time and material, for assembling and servicing the device can be reduced. This object is achieved in that at least two high-temperature superconducting stators, together with the thermally connected cooling devices thereof, are arranged in a contactless manner and in parallel with one another along the progression of the spindle row, and the magnetic field-generating rotors, oriented coaxially with respect to the spindle, are introduced in a magnetically levitating manner in the magnetic field of the continuous intermediate space, between the stators which are adjacent in each case.



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(11) Patent registration No and date 1007066, 19/02/2026
(21) Appl. No. BD-P-2022-173
(22) Filed: 12/05/2022

(23) Priority Data:
India, Number :202223014025, Date : 15-03-2022.

(71) Applicant: Bajaj Auto Limited of Mumbai-Pune Road, Akurdi, Pune, India-411035, Nationality -India

(72) Inventors: (0) JOSEPH ABRAHAM of Bajaj Auto Limited, kurdi, Pune-411035 Maharashtra, India Nationality -India, (1) ARIMBOOR KURIYAN of Bajaj Auto Limited, kurdi, Pune-411035 Maharashtra, India Nationality -India, (2) OLETY NIKITH KIRAN of Bajaj Auto Limited, kurdi, Pune-411035 Maharashtra, India Nationality -India, (3) DAWANDE PIYUSH SUDHIR of Bajaj Auto Limited, kurdi, Pune-411035 Maharashtra, India Nationality -India

(74) Agent : ISLAM & CO., 19/D, East Noyatola, (3rdFloor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : B63B 83/30

(54) Invention Title: SYSTEM FOR IMPROVING EFFICIENCY OF POWER SOURCE OF VEHICLE

(57) Abstract
The present invention provides a system for improving efficiency of power source of a vehicle comprising a prime mover or a power source to drive the vehicle; a control unit in connection with the prime mover or power source; wherein the control unit is configured to control acceleration of the vehicle by controlling the power source/ prime mover for delivering the desired prime mover torque to optimise the distance travelled wherein; the desired prime mover torque is calculated based on a corrected desired acceleration calculated using a corrective load index based on a predetermined mass and based on a drive force acting on the vehicle.

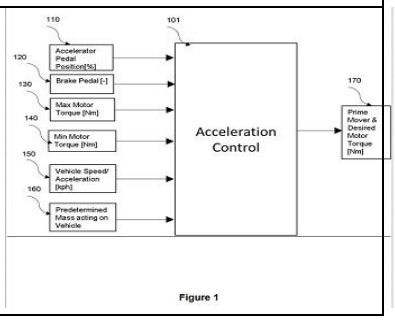

Figure 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date 1007081, 19/02/2026
(21) Appl. No. BD-P-2022-206
(22) Filed: 09/06/2022
(23) Priority Data:
China, Number :2021106475644, Date : 10-06-2021.

(71) Applicant: Saurer (Jiangsu) Textile Machinery Co. Ltd. of No. 558 Huixian Middle Road, Jintan District, Changzhou City, 213200, Jiangsu Province, Nationality -China
(72) Inventors: (1) Jakobinski, Andreas of Xantener Allee 3 , 41812 Erkelenz , Germany Nationality -Germany, (2) Thomas, Sebastian of Sandstr. 28, 41189 Moenchengladbach, Germany Nationality -Germany, (3) Redlich, Olaf of Bertha-von-Suttner-Str. 16, 41539 Dormagen, Germany Nationality -Germany, (4) Toribio Garcia, Sandra of Am Alten Bahnhof 5, 52146 Wuerselen, Germany Nationality -Germany
(74) Agent : Remfry & Son Limited, 56, New Eskaton Road, 4th Floor, Dhaka-1000, Bangladesh

(51) INT. CL. : D01H 4/24

(54) Invention Title: Spin box for an open-end rotor spinning device

(57) Abstract
The invention relates to a spin box (1) for an open-end spinning machine, having a sliver entrance for feeding a sliver to an opening unit, which can be arranged in an opening unit receptacle of the spin box (1), and having a thread outlet opening (4), via which a spinning thread (2) produced from the fed sliver can be led out of the spin box (1).According to the invention, in order to allow preparation of a spinning-thread end for a piecing process, in particular with protection from the ambient air, and also in particular with suitability for semiautomatic open-end spinning machines, the spin box (1) is designed to hold a thread-end preparation unit for preparing a spinning-thread end, which thread-end preparation unit can be arranged facing the thread outlet opening (4) for the mutual transfer of the spinning thread (2).

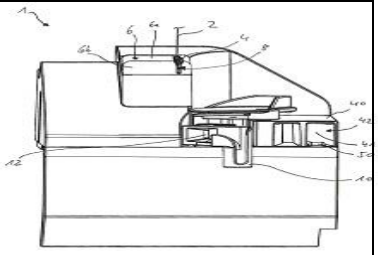

FIG 1

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(11) Patent registration No and date 1007070, 19/02/2026
(21) Appl. No. BD-P-2022-233
(22) Filed: 30/06/2022

(23) Priority Data:
India, Number :202141046821, Date : 13-10-2021.

(71) Applicant: TVS MOTOR COMPANY LIMITED of Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

(72) Inventors: (1) RAJENDRAN PADALINGAM of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India, (2) RAMESH VAIDHEESWARAN of TVS Motor Company Limited, Chaitanya, No.12, Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, India Nationality -India

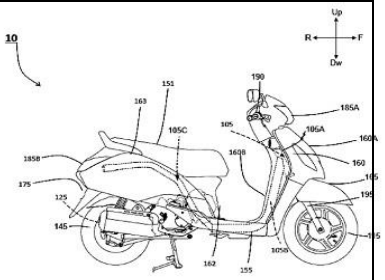
(74) Agent : ISLAM & CO. , 19/D, East Noyatola, (3rd Floor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : B65D 59/06

(54) Invention Title: A Cap Assembly for a Saddle Type Vehicle

(57) Abstract

The present invention relates to a cap assembly (200). The cap assembly (200) has a cap body (210) with a first outwardly protruding flange (212) configured for receiving a lever (214), and one or more lateral projections (216) provided on an outer surface of the cap body (210). The cap assembly (200) further a cap body cover (220) disposed along the outer surface of the cap body (210). The cap body cover (220) has one or more vertical projections (222) configured to be locked with the one or more lateral projections (216) on the outer surface of the cap body (210). A cap unit (230) is configured to be disposed on the cap body (210) via the lever (214) and the cap unit (230) is openable by means of actuation of the lever (214).



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শিল্প মন্ত্রণালয়
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(11) Patent registration No and date 1007080, 19/02/2026
(21) Appl. No. BD-P-2022-245
(22) Filed: 12/07/2022
(23) Priority Data:
India, Number :202141034124, Date : 29-07-2021.
(71) Applicant: LMW LIMITED of Perianaickenpalayam, Coimbatore-641020, Tamil Nadu, India, Nationality -India
(72) Inventors: (0) Yuvaraj, DHAYANESWARAN of c/o Lakshmi Machine Works Ltd., Perianaickenpalayam, Coimbatore 641 020, Tamil Nadu, India Nationality -India
(74) Agent : Remfry & Son Limited, 56, New Eskaton Road, 4th Floor, Dhaka-1000, Bangladesh
(51) INT. CL. : D01D 5/04
(54) Invention Title: ABNORMALITY MONITORING SYSTEM

(57) Abstract
Disclosed herein is an abnormality monitoring system in textile spinning machines comprising a servo motor adapted to drive a driven target; a motor drive adapted to control operation of the servo motor; and a control unit configured to monitor load torque acting on the servo motor, wherein the motor drive is configured to detect magnitude of drive current applied to the servo motor and transmit said detected magnitude of drive current in the form of a frequency signal output to said control unit.

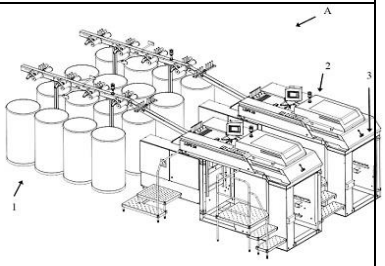

Figure - 1

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(11) Patent registration No and date 1007073, 19/02/2026
(21) Appl. No. BD-P-2022-254
(22) Filed: 18/07/2022

(23) Priority Data:
South Africa, Number :202105246, Date : 26-07-2021. and South Africa, Number :202105855, Date : 17-08-2021.

(71) Applicant: The Trustees for the time being of the KMN FULFILMENT TRUST of 8 Kestrel Street, Ebotse Golf Estate, Rynfield, Benoni 1504, Nationality -South Africa

(72) Inventors: (1) MAKGERU, Kabu Walter of 8 Kestrel Street, Ebotse Golf Estate, Rynfield, Benoni 1504, South Africa Nationality -South Africa

(74) Agent : REMFRY & SON LIMITED, 56, NEW ESKATON ROAD 4TH FLOOR, DHAKA-1000, DHAKA, Bangladesh

(51) INT. CL. : F23K 3/00

(54) Invention Title: Fuel Composition for Combustion

(57) Abstract

A fuel composition for combustion according to claim 1, the fuel composition comprising a hydrocarbon-based fuel and magnetite material comprising magnetite.The magnetite material is in the form of powder with a size range from 1 nm – 5 mm.The magnetite material is 0.1–65% wt of the fuel composition.The magnetite material comprises at least 40% magnetite (Fe3O4) andhas at least 25% Fe (iron).

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(11) Patent registration No and date 1007090, 09/03/2026
(21) Appl. No. BD-P-2022-281
(22) Filed: 21/08/2022

(23) Priority Data:
Japan, Number :2021135866, Date : 23-08-2021.

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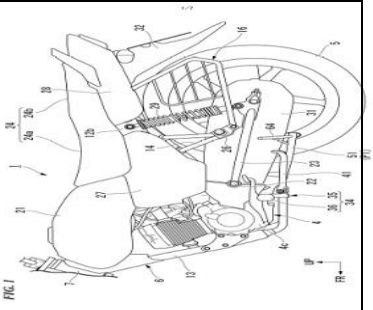
(74) Agent : REMFRY & SON LIMITED, 56, NEW ESKATON ROAD 4TH FLOOR, DHAKA-1000, DHAKA, Bangladesh

(51) INT. CL. : B62D 51/02

(54) Invention Title: STAND STOPPER STRUCTURE OF SADDLE-TYPE VEHICLE

(57) Abstract

This stand stopper structure of a saddle-type vehicle includesa stand (51) that supports a vehicle body in a standing state, in whichthe stand (51) is configured to be rotatable between a storage position (P1) in which the stand (51) is kicked backward into an elevated position and a use position (P2) in which the stand (51) is turned downward from the storage position (P1) to a ground, andthe stand (51) is prevented from turning further beyond the use position (P2),the stand stopper structure further includes a step bracket (35) that supports a step (36) on which a rider rests his or her foot, the step bracket (35) being fixed to a lower part of the vehicle body, andthe step bracket (35) has a stand stopper (37d) that prevents the stand (51) from turning further beyond the use position (P2).



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(11) Patent registration No and date 1007086, 09/03/2026
(21) Appl. No. BD-P-2022-282
(22) Filed: 21/08/2022

(23) Priority Data:
Japan, Number :2021138172, Date : 26-08-2021.

(71) Applicant: HONDA MOTOR CO., LTD. of 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556, Nationality -Japan

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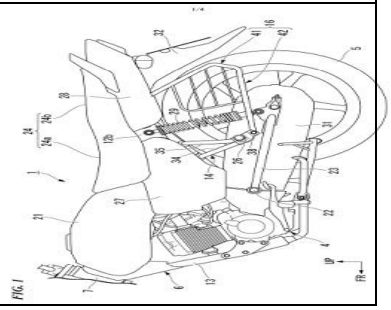
(74) Agent : REMFRY & SON LIMITED, 56, NEW ESKATON ROAD 4TH FLOOR, DHAKA-1000, DHAKA, Bangladesh

(51) INT. CL. : B60R 1/26

(54) Invention Title: VEHICLE BODY REAR PORTION STRUCTURE OF SADDLE RIDING VEHICLE

(57) Abstract

A vehicle body rear portion structure of a saddle riding vehicle includes: a passenger step (26) on which a rear passenger places a foot; a step frame (14) that supports the passenger step (26) on a vehicle body frame; and a guard member that is arranged at a further rearward position than the step frame (14) and guards a rear passenger's clothing such that the clothing does not come into contact with a rear wheel (5), wherein the step frame (14) comprises an integral step bracket (38) that supports both the passenger step (26) and the guard member.



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Publication of Granted Patent
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(11) Patent registration No and date 1007093, 09/03/2026
(21) Appl. No. BD-P-2022-323
(22) Filed: 03/10/2022

(23) Priority Data:
Russian Federation, Number :2021000496, Date : 11-11-2021.

(71) Applicant: HUAWEI TECHNOLOGIES CO., LTD of Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129, Nationality -China

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(74) Agent : REMFRY & SON LIMITED, 56, NEW ESKATON ROAD 4TH FLOOR, DHAKA-1000, DHAKA, Bangladesh

(51) INT. CL. : G06T 7/00

(54) Invention Title: Conditional Image Compression

(57) Abstract
The present disclosure relates to conditional coding of components of an image. It is provided a method of encoding at least a portion of an image, comprising encoding a primary component of the image independently from at least one secondary component and encoding the at least one secondary component of the image using information from the primary component. Further, it is provided a method of encoding at least a portion of an image, comprising providing a residual comprising a primary residual component for a primary component of the image and at least one secondary residual component for at least one secondary component of the image that is different from the primary component, encoding the primary residual component independently from the at least one secondary residual component and encoding the at least one secondary residual component using information from the primary residual component.

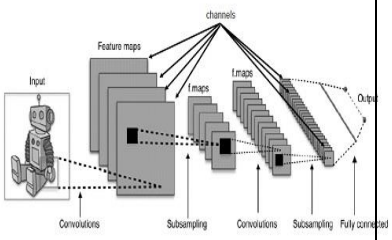

Fig. 1

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(11) Patent registration No and date 1007088, 09/03/2026
(21) Appl. No. BD-P-2022-331
(22) Filed: 12/10/2022

(23) Priority Data:
India, Number :202041015817, Date : 11-04-2020.

(71) Applicant: TVS Motor Company Limited of Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Nationality -India

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(74) Agent : ISLAM & CO., 19/D, East Noyatola, (3rdFloor) Mogh Bazar, Dhaka -1217 , Bangladesh

(51) INT. CL. : B60K 15/03

(54) Invention Title: FUEL TANK ASSEMBLY

(57) Abstract
The present invention relates to a saddle type vehicle (100), where said vehicle (100) comprises of a frame (101), fuel tank module (103), and canister assembly (309). The canister assembly (309) is mounted on the outer portion (203) in a recess (316) of the fuel tank assembly (103) thereby, ensures the ease of accessibility and serviceability of the canister assembly (309).

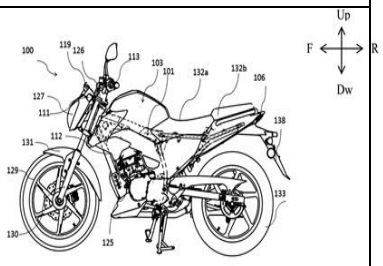

Fig. 1

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(11) Patent registration No and date 1007063, 19/02/2026
(21) Appl. No. BD-P-2022-332
(22) Filed: 12/10/2022

(23) Priority Data:
United States of America, Number :17507537, Date : 21-10-2021.

(71) Applicant: VIAVI Solutions Inc. of 1445 South Spectrum Blvd, Suite 102, Chandler, Arizona 85286, Nationality - United States of America

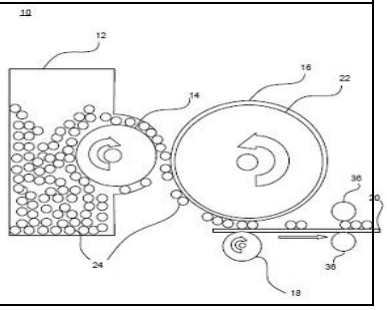
(72) Inventors: (1) DELST, Cornelis Jan of 700 Iron Springs Road, Fairfax, CA 94930, United States of America Nationality -United States of America, (2) RAKSHA, Vladimir P. of 1692 Hopper Avenue, Santa Rosa, CA 95403, United States of America Nationality -United States of America, (3) ARGOITIA, Alberto of 1628 Tahoe Drive, Santa Rosa, CA 95405, United States of America Nationality -United States of America, (4) KOHLMANN, Paul Thomas of 9616 Berkshire Way, Windsor, CA 95492, United States of America Nationality -United States of America

(74) Agent : MUNSHI & ASSOCIATES, 194/D/1, Tejkunipara,Tejgaon, Dhaka-1215, Bangladesh

(51) INT. CL. : B65H 3/18

(54) Invention Title: Electrostatic Printing Method

(57) Abstract
A method of printing atoner, including: rotating a cylinder having a printing plate with a fixed pattern; transferring a toner from a vessel onto the fixed pattern of the printing plate, in which the toner includes a pigment with a metallic reflective layer; and transferring the toner onto a substrate; in which the fixed pattern defines select portions of an image; and in which the toner correlates to the selected portions of the image is disclosed.



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(11) Patent registration No and date 1007072, 19/02/2026
(21) Appl. No. BD-P-2022-334
(22) Filed: 12/10/2022

(23) Priority Data:
United States of America, Number :17507558, Date : 21-10-2021.

(71) Applicant: VIAVI Solutions Inc. of 1445 South Spectrum Blvd, Suite 102, Chandler, Arizona 85286, Nationality - United States of America

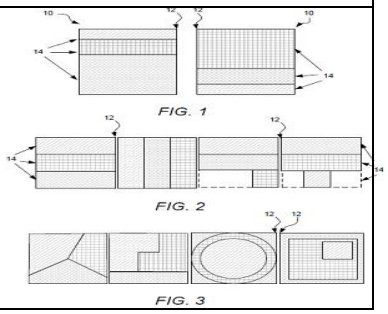
(72) Inventors: (1) DELST, Cornelis Jan of 700 Iron Springs Road, Fairfax, CA 94930, United States of America Nationality -United States of America, (2) RAKSHA, Vladimir P. of 1692 Hopper Avenue, Santa Rosa, CA 95403, United States of America Nationality -United States of America, (3) ARGOITIA, Alberto of 1628 Tahoe Drive, Santa Rosa, CA 95405, United States of America Nationality -United States of America, (4) KOHLMANN, Paul Thomas of 9616 Berkshire Way, Windsor, CA 95492, United States of America Nationality -United States of America

(74) Agent : MUNSHI & ASSOCIATES, 194/D/1, Tejkunipara,Tejgaon, Dhaka-1215, Bangladesh

(51) INT. CL. : B22C 7/04

(54) Invention Title: A Color Image

(57) Abstract
A recorded and fixed color image, including: a plurality of pixels; in which a pixel, of the plurality of pixels, contains two or more additive process color areas; in which each additive process color area, of the two or more additive process color areas, has a centroid located within an area of the pixel; in which locations of the centroids, within the area of the pixel, are present in two or more configurations in the plurality of pixels is disclosed. A methodof forming a color image is also disclosed.



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(11) Patent registration No and date 1007079, 19/02/2026
(21) Appl. No. BD-P-2022-337
(22) Filed: 13/10/2022

(23) Priority Data:
Switzerland, Number :704752021, Date : 01-11-2021.

(71) Applicant: Bräcker AG. of Obermattstrasse 65, CH-8330 Pfäffikon-Zürich, Nationality -Switzerland

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(74) Agent : ADVOCATES INTELLECTUAL PROPERTY LAW ALLIANCE , 35/A Purana Paltan Line, VIP Road, Dhaka-1000, GPO Box No. 2500 Dhaka 1000, Bangladesh

(51) INT. CL. : D01H 7/60

(54) Invention Title: Spinning or twisting ring having a ring crown consisting at least partially of a tungsten sintered material,and ring /traveler system having such a ring

(57) Abstract
The invention relates to a spinning ring (8) for a ring-spinning or ring-twisting machine, having a web (15) and a ring crown (14), wherein the ring crown (14) consists at least partially of a tungsten sintered material having at least 90% tungsten. The invention further relates to a ring/traveler system having a ring traveler made of HSS steel.

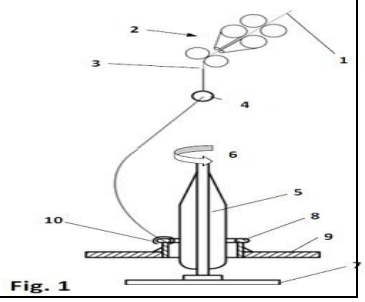

Fig. 1

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No.: 13 & Date: April 19, 2026

(11) Patent registration No and date 1007087, 09/03/2026
(21) Appl. No. BD-P-2022-384
(22) Filed: 22/11/2022

(23) Priority Data:
N/A

(71) Applicant: ZHONG QIANG YI TECHNOLOGY CO., LTD. of NO. 910 ZHONGSHAN RD., SHENGANG DIST., TAICHUNG CITY, Nationality -China

(72) Inventors: (1) TZU-CHIANG KAO of NO. 910 ZHONGSHAN RD., SHENGANG DIST., TAICHUNG CITY, China Nationality -China

(74) Agent : Islam & Co., 19/D,East Noyatola (3rd Floor), Mogh Bazar, Dhaka-1217, Bangladesh

(51) INT. CL. : F16C 33/14

(54) Invention Title: SHOE UPPER MANUFACTURING METHOD

(57) Abstract
A shoe upper manufacturing method is revealed. The shoe upper manufacturing method includes the steps of obtaining materials for shoe uppers, forming the shoe uppers, processing the shoe uppers, and printing the shoe uppers carried out in turn. Thus a multi-layer composite footwear fabric (3) is produced and further processed to form shoe uppers required. Thereby different heating temperature and time are set for heat melting and adhesion of thermoplastic elastomer onto footwear fabric made from different materials in order to meet different requirements of users. Moreover, production efficiency is improved and production capacity is increased by combination of one upper mold (21) with a plurality of lower molds (22). The present method is more efficient than those in current use.

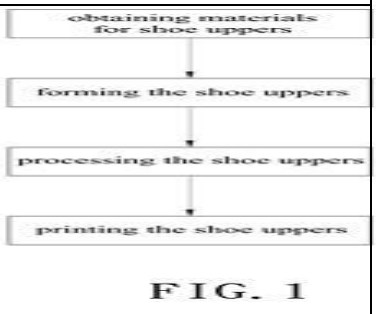

FIG. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
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(22) Filed: 10/01/2023

(23) Priority Data:
United States of America, Number :63298105, Date : 10-01-2022.

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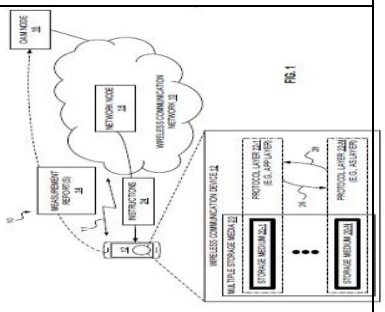
(51) INT. CL. : H04W 24/10

(54) Invention Title: MEASUREMENT REPORT STORAGE IN A WIRELESS COMMUNICATION DEVICE.

(57) Abstract

A wireless communication device (12)is configured for use in a wireless communication network (10). The wireless communication device (12) receives, at a second protocol layer (22-N) of the wireless communication device (12), from a first protocol layer (22-1) of the wireless communication device (12), control information for controlling storage of measurement reports (14) at the second protocol layer (22-N) and/or first layer storage information characterizing storage of measurement reports (14) at the first protocol layer (22-1). The wireless communication device (12)in some embodimentscontrols storage of measurement reports (14) at the second protocol layer (22-N) according to the control information and/or based on the first layer storage information.



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(11) Patent registration No and date 1007082, 19/02/2026
(21) Appl. No. BD-P-2023-18
(22) Filed: 18/01/2023

(23) Priority Data:
China, Number :202210078511, Date : 24-01-2022.

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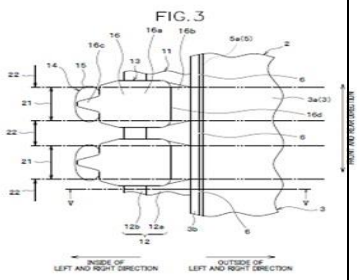
(51) INT. CL. : B21D 53/54

(54) Invention Title: "SLIDE FASTENER-ATTACHED PRODUCT AND METHOD FOR MANUFACTURING SLIDE FASTENER-ATTACHEDPRODUCT"

(57) Abstract

Provided is a slide fastener-attached product (1) in which a fastener stringer (11, 11a, 11b) is attached to a stringer attaching edge portion (3) of a fastener attached member (2) by a sewing portion (5) formed by sewing threads including an upper thread (5a) and a lower thread (5b), the sewing portion (5) has a plurality of interlaced portions (6) where the upper thread (5a) and the lower thread (5b) are interlaced while penetrating through the stringer attaching edge portion (3) and a fastener tape (12), the fastener stringer (11, 11a, 11b) has an alternate region in which gap areas (22, 22a) defined by maximum intervals on the fastener tape (12) between fastener elements (14, 14a, 14b) and element areas (21, 21a) provided with the fastener elements (14, 14a, 14b) are alternately disposed, and the interlaced portions (6) of the sewing portions (5) is provided only in the gap areas (22) within the alternate region. This can prevent or restrain from the fastener tape (12) from being exposed between the fastener elements (14, 14a, 14b) and the fastener attached member (2).



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(11) Patent registration No and date 1007077, 19/02/2026
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(22) Filed: 31/05/2023
(23) Priority Data:
China, Number :2022106375960, Date : 31-05-2022.
(71) Applicant:
(72) Inventors:
(74) Agent : ISLAM & CO, , Bangladesh
(51) INT. CL. : D21H 11/04
(54) Invention Title: METHOD FOR PREPARING DISSOLVING PULP USING PREHYDROLYSIS KRAFT PULP (KP) AS RAW MATERIAL

(57) Abstract
The present disclosure provides a method for preparing pulp from prehydrolysis kraft pulp (KP). In the present disclosure, the method includes the following steps: subjecting the prehydrolysis KP to cold caustic refining with a white liquor to remove hemicellulose and a part of lignin, and conducting elemental chlorine free (ECF) bleaching according to a bleaching sequence D0EpD1A to further purify an obtained refined pulp, so as to obtain acetate grade dissolving pulp. Compared with a traditional production process of the acetate grade dissolving pulp, a cooked white liquor is used for the cold caustic refining in this method, and focuses on solving the problems of a lye source and a waste liquid treatment of the cold caustic refining. The cold caustic refining is conducted in prior to the ECF bleaching sequence D0EpD1A, and impurities introduced by the cold caustic refining using the cooked white liquor can be removed by the ECF bleaching. The method can be applied to a conventional dissolving pulp production line, and can produce acetate grade dissolving pulp with only a small amount of modification and without addition of new chemicals. The acetate grade dissolving pulp has a high polymerization degree, an excellent methylcellulose content, a satisfactory whiteness, and a desirable reactivity.

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(11) Patent registration No and date 1007071, 19/02/2026
(21) Appl. No. BD-P-2023-163
(22) Filed: 18/06/2023

(23) Priority Data:
Switzerland, Number :7322022, Date : 20-06-2022.

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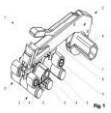
(74) Agent : Munshi & Associates, 194/D/1, Tejkunipara, Tejgaon, Dhaka-1215 , Bangladesh

(51) INT. CL. : E21B 19/089

(54) Invention Title: SPRING UNIT FOR TOP WEIGHTING ARM

(57) Abstract



The present invention relates to a mechanical pressure element for a top weighting arm (2) in a ring spinning machine. The mechanical pressure element comprises a spring unit (13) for providing a spring force for the top weighting arm (2) and an adjustment device for regulating the spring force. The mechanical pressure element is characterized in that it is designed for receiving a discrete number of elements for selecting discrete spring force values of the spring unit (13).

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(21) Appl. No. BD-P-2024-209
(22) Filed: 08/07/2024

(23) Priority Data:
N/A

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(51) INT. CL. : B01D 53/14

(54) Invention Title: SYSTEM AND METHOD FOR CAPTURING CARBON DIOXIDE USING SPIRULINA PHOTOSYNTHESIS AND MEA ABSORPTION.

(57) Abstract
Embodiments of the present disclosure relate to a hybrid biological-chemical system for capturing carbon dioxide. The system may include a bioreactor for cultivating Spirulina to remove CO_2 biologically through photosynthesis and a chemical absorption unit containing Monoethanolamine (MEA) for additional CO_2 capture. By combining biological conversion and chemical absorption, the system improves CO_2 removal efficiency and provides a sustainable, scalable solution for industrial and environmental carbon sequestration.