

Diego Gonzalez

1) Family number: 14902885 (JP2000199443A)

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Title: ENGINE STOP/START CONTROL DEVICE MOUNTED VEHICLE

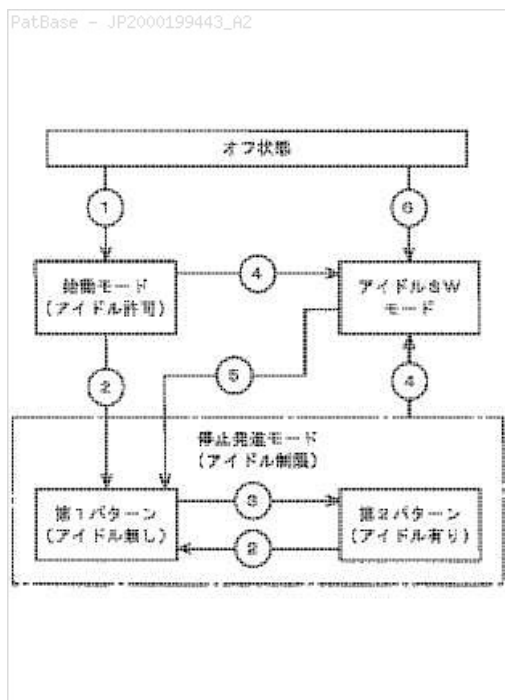
Abstract: PROBLEM TO BE SOLVED: To prevent a battery from running down even when headlamps are kept ON while a vehicle remains stationary. SOLUTION: In a 'stop/start mode,' in which an engine is brought to a stop in response to predetermined stopping conditions while a vehicle is running and the engine is started in response to a predetermined sequence of starting operations once the vehicle is stopped, idling while the vehicle remains stationary is prohibited normally (in a first operation pattern). If, however, the period of time during which the vehicle remains stationary with its headlamps kept ON exceeds a predetermined value [condition (3) is met], the vehicle enters a second operation pattern, canceling prohibition of idling. When a driver then attempts to start the engine, therefore, the engine is started and it can be run at idle speed.

Classifications:

International (IPC 8-9): B60K28/02 B60Q1/08 B60Q11/00 B60R16/04 B62K11/00 F02D29/02 F02D43/00 F02D45/00 F02N11/08 H02J7/14 (Advanced/Invention); F02D43/00 (Advanced/Non-invention); B60K28/00 B60Q1/04 B60Q11/00 B60R16/04 B62K11/00 F02D29/02 F02D43/00 F02D45/00 F02N11/08 H02J7/14 (Core/Invention); B60Q F02D (Subclass/Invention)

International (IPC 1-7): B60K28/02 B60Q1/08 B60Q11/00 B60R16/04 B62K11/00 F02D29/02 F02D43/00 F02D45/00 F02N11/08 H02J7/14

CPC: Y02T10/48



Family:

Publication number	Publication date	Application number	Application date
AR016999 AA	20010801	AR1999P106657	19991222
CN1258610 A	20000705	CN19991026560	19991224
CN1264707 C	20060719	CN19991026560	19991224
CO4930302 A1	20000627	CO19990080719	19991227
ES2164002 AA	20020201	ES19990002806	19991221
ES2164002 BA	20030301	ES19990002806	19991221
IN00855B01999 A	20050506	IN1999B000855	19991125
IT1310763 B1	20020222	IT1999T001065	19991203
ITTO991065 A0	19991203	IT1999T001065	19991203
ITTO991065 A1	20010604	IT1999T001065	19991203
JP2000199443 A2	20000718	JP19980372086	19981228
JP4076106 B2	20080416	JP19980372086	19981228
KR100331650 B1	20020406	KR19990063588	19991228
KR20000048456 A	20000725	KR19990063588	19991228
TH24180 B	20080801	TH19991004451	19991129
TH41218 A	20001115	TH19991004451	19991129
TW418282 B	20010111	TW19990120762	19991129

Priority:

JP19980372086 19981228

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s): (std): HONDA MOTOR CO LTD

Assignee(s): HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s): (std): SHOSETSU TORIYAMA ; TOMOKAZU SAKAMOTO ; AKIRA HONDA ; TORIYAMA MASAYUKI ; HONDA SATOSHI ; YOKOO MASAHIDE ; SAKAMOTO TOMOKAZU ; DORIYAMA MASAYUKI ; SAKAMOTO DOMOKAZ ; YOKUMASA HEEDDE ; AKIRA TORIYAMA SHOSETSU SAKAMO

Inventor(s): TORIYAMA SHOSETSU SAKAMOTO TOMOKAZU HONDA AKIRA ; TORIYAMA SHOSETSU ; HONDA AKIRA ; MASAYUKI TORIYAMA ; SATOSHI HONDA ; MASAHIDE YOKOO

2) Family number: 67241931 (PH2016000487A)

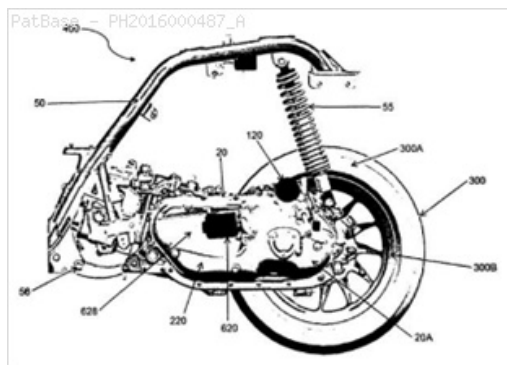
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Title: AN AUTOMATED MANUAL TRANSMISSION SYSTEM

Abstract: An automated manual transmission system (10) for a vehicle having a driven wheel (300) comprising a frame (50); a prime mover (150) swingably mounted on the frame; a transmission comprising a plurality of gears (22a-22c; 23a-23c; 24a-24c); a control unit for controlling operation of the transmission system (10); a gear shift actuating mechanism (G) controlled by the control unit to shift transmission gear; and a clutch actuating mechanism (C,619) controlled by the control unit wherein said gear shifting and clutch actuating mechanisms (G,C) of said transmission system (10) are located distal from the prime mover (150) and proximate the driven wheel (300). The automated manual transmission system (10) is desirably of sequential non-synchromesh type.

Classifications:

International (IPC 8-9): B60W10/02 B62M11/00 B62M25/02
B62M9/00 F16D23/00 F16H3/00 F16H3/097 F16H41/00
F16H61/00 (Advanced/Invention);
B62M11/00 B62M19/00 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CO20160005760 A1	20180710	CO20160005760	20161226
ID201801565 A	20180216	ID2016P0008960	20161223
IN04864MU2015 A	20171117	IN2015MU04864	20151228
MX2017000128 A1	20180703	MX20170000128	20170104
PE13952017 A1	20170920	PE20160002805	20161228
PH2016000487 A	20180702	PH20160000487	20161223

Priority:

IN2015MU04864 20151228

Probable Assignee: BAJAJ AUTO LTD**Assignee(s):** (std): BAJAJ AUTO LTD

Inventor(s): (std): UTPAT SHRIKANT TUKARAM ; TUKURAM UTPAT SHRIKANT ; SHRIKANT TUKARAM UTPAT ; MOHANIRAJ JOSHI ASHISH ; ASHISH MOHANIRAJ JOSHI ; ABRAHAM JOSEPH ; TUKARAM UTPAT SHRIKANT

Inventor(s): JOSHI ASHISH MOHANIRAJ ; JOSEPH ABRAHAM**Agent(s):** HELENA CAMARGO WILLIAMSON; DR BELINDA ROSALINA SHLLM; AQ ANCHETA AND PARTNERS**3) Family number: 42904356** (US2010275713A)

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Title: GEAR SHIFT ARRANGEMENT FOR A VEHICLE

Abstract: Gear shift arrangement for a shiftable manual gearbox (300) provided in a vehicle, e.g. an off road vehicle, scooter or snowmobile, comprising a shift operating mechanism (9, 8) to be operated by a driver, said gearbox having a first set of gears with positions for high speed, and at least one further gear from the group of gears low speed, neutral and parking, and a second set of gears with positions for at least forward and reverse. The positions of the first set of gears are shiftable under influence of a first shift lever (9), that the positions of the second set of gears are shiftable under influence of a second shift lever (8) separate from the first one, and each shift lever is movable in essentially only one plane.

Classifications:**International (IPC 8-9):** B60K20/00 F16H59/02 F16H59/04

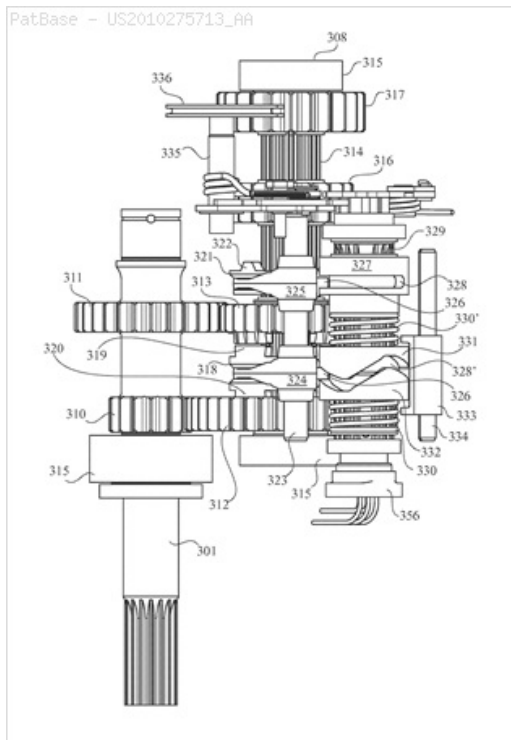
F16H63/18 (Advanced/Invention);

B60K20/00 F16H59/02 F16H63/08 (Core/Invention)

CPC: F16H2059/0239 F16H59/02 B62K5/01 F16H63/18 F16H2312/08

Y10T74/2014

European: B62K5/01 F16H59/02 F16H63/18 R16H312/08**US:** 74/473.3 74/473.300P

**Family:**

Publication number	Publication date	Application number	Application date
■ CN101772661 A	20100707	CN200780100104	20070801
■ EP2179199 A1	20100428	EP20070794101	20070801
■ EP2216196 A2	20100811	EP20100159605	20070801
■ US2010275713 AA	20101104	US20070671112	20070801
■ WO09017440 A1	20090205	WO2007SE00702	20070801

Priority:

EP20070794101 20070801 EP20100159605 20070801 WO2007SE00702 20070801

Probable Assignee: HUSQVARNA AB

Assignee(s): (std): FRIEDRICHS THOMAS ; HUSQVARNA AB ; PENTTILA HEIKKI

Inventor(s): (std): FRIEDRICHS THOMAS ; PENTTILA HEIKKI ; THOMAS FRIEDRICHS ; HEIKKI PENTTILA ; PENTTILA HEIKKI

Agent(s): MOORE AND VAN ALLEN PLLC ; ANDERSSON LARS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 31172778 (US2004214685A)

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Title: RELEASE CLUTCH FOR A VEHICLE

Abstract: A vehicle includes an engine that powers a wheel through a drive train. The drive train includes a continuously variable transmission (CVT) and toothed gearing disposed between the CVT and the wheel. A release clutch is also disposed between the CVT and the wheel. A controller controls the release clutch so as to disengage the clutch when the engine is not running and engage the clutch when the engine is running. The controller includes a hydraulic cylinder that fluidly connects to the engine's oil system so that engine-generated oil pressure engages the release clutch. Disengagement of the release clutch makes it easier to push the vehicle when the engine is not running, for example, when the engine breaks down.

Classifications:

International (IPC 8-9): B60W10/02 F16D25/00

F16D48/06 (Advanced/Invention);

B60K17/02 F16H37/02 F16H61/662 (Advanced/Non-invention);

B60W10/02 F16D25/00 F16D48/00 (Core/Invention);

B60K17/00 F16H37/02 F16H61/66 (Core/Non-invention)

International (IPC 1-7): B60K17/02 B60K41/12 F16D43/00

CPC: Y10S477/906 F16D48/06 B60K17/02 B60Y2200/114

B60Y2200/12 B60Y2200/126 B60Y2200/20 B60Y2200/252 F16D25/00

F16D2500/1022 F16D2500/1026 F16D2500/10412 F16D2500/10481

F16D2500/1088 F16D2500/3069 F16D2500/50891 F16D2500/70424

F16H37/021 F16H61/662 Y10T477/6237 Y10T477/70 Y10T477/75

B60W10/02 B60W10/101 B60W30/18 B60W2510/0638

B60W2710/021

European: F16D25/00 F16D48/06 F16D48/06H L60K17/02

L60K41/12 L60Y200/114 L60Y200/12 L60Y200/126 L60Y200/20

L60Y200/252 R16D500/102E1 R16D500/102H R16D500/104P1

R16D500/104T6 R16D500/108V R16D500/306W R16D500/508T

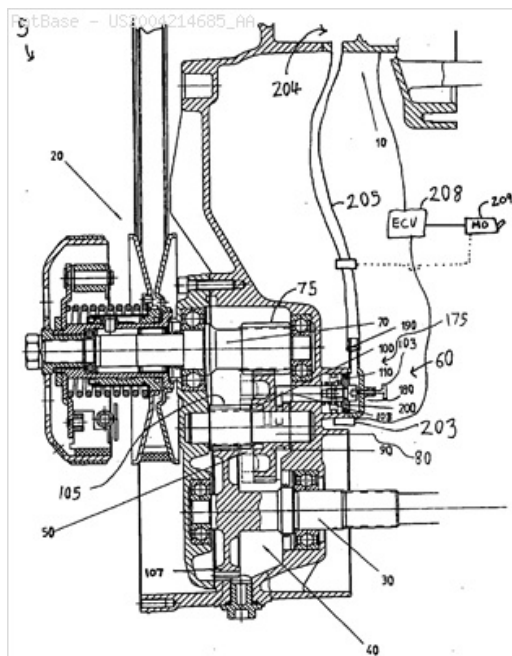
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R16D501/04T6 R16D501/08V R16D505/06W R16D510/08T

R16D515/04C1 R16H37/02B R16H61/662

US: 192/48.3 474/13 474/14 474/8 477/166 477/174 477/44

477/44P 477/906



Family:

Publication number	Publication date	Application number	Application date
EP1473182 A1	20041103	EP20040010133	20040428
US2004214685 AA	20041028	US20040833135	20040428
US7235035 BB	20070626	US20040833135	20040428

Priority:

US20030465779P 20030428 US20040833135 20040428

Probable Assignee: BOMBARDIER ROTAX GMBH AND CO KG

Assignee(s): (std): BRP ROTAX GMBH AND CO KG ; BOMBARDIER ROTAX GMBH AND CO KG

Assignee(s): BRP ROTAX GMBH ; BOMBARDIER ROTAX GMBH ; KORENJAK NORBERT ; KUSEL HEINZ

Inventor(s): (std): KORENJAK NORBERT ; KUSEL HEINZ

Agent(s): OSLER HOSKIN AND HARCOURT LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

5) Family number: 34083270 (WO07001126A1)

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Title: MANUAL SCOOTER HAVING MOMENTUM CONTROL FUNCTION

Abstract: Provided is a manual scooter having a momentum control function, which includes a front-wheel, a rear-wheel, a frame, footstools, a power transmission unit, and a gear-box. The power transmission unit includes driving shafts, idling bevel gears, moving shafts, and rear-wheel axles, and the footstool includes a footstool link which is axially combined with the gear-box at the lower portion of the front end of the scooter; and a driving link whose one end is rotatably axially combined with the footstool link and whose other end is axially fixed to the other end of the driving shaft, in which the bottom portion of the rear end of the scooter is slidably formed on both sides of the gear-box by a hinge shaft.

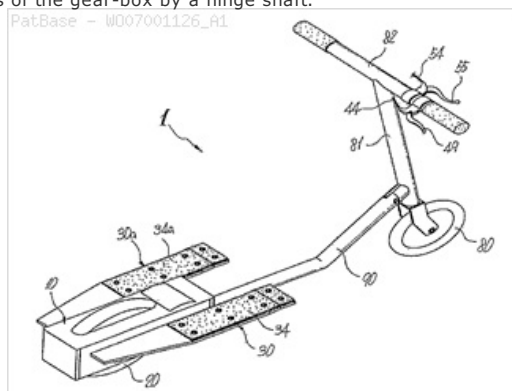
Classifications:

International (IPC 8-9): B62K15/00 B62K17/00 (Advanced/Invention); B62K15/00 B62K17/00 (Advanced/Non-invention)

International (IPC 1-7): B62K15/00 B62K17/00

CPC: B62K3/002 B62M1/30 B62K17/00 B62K2202/00

European: B62K3/00B B62M1/30



Family:

Publication number	Publication date	Application number	Application date
KR200395612 Y1	20050913	KR20050018530U	20050627
WO07001126 A1	20070104	WO2006KR02226	20060612

Priority:

KR20050018530U 20050627

Probable Assignee: CHUN HYO MIN

Assignee(s): (std): CHUN HYO MIN ; KIM JONG MIN

Inventor(s): (std): CHUN HYO MIN ; KIM JONG MIN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 53143026 (IN04106CH2011A)

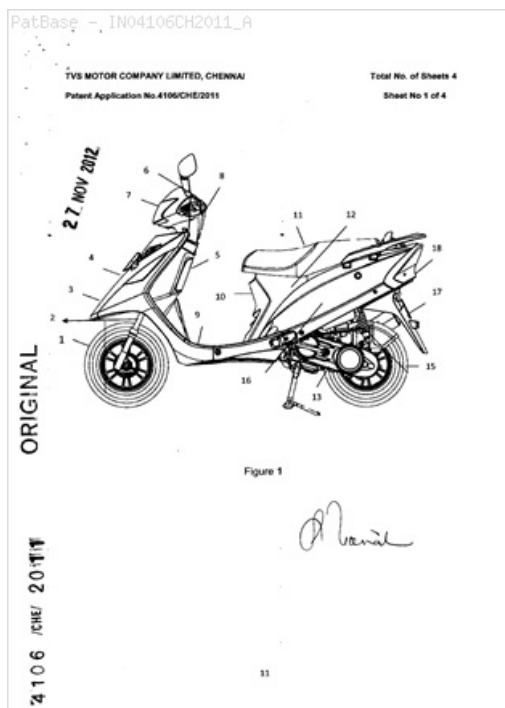
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Title: METHOD AND APPARATUS FOR SENSING

Abstract: The present invention provides an apparatus and method for continuous position sensing of gear shift lever and clutch shift lever having an automatic manual transmission equipped engine supported by a scooter type body frame and having a clutch actuator configured to actuate clutch and shift actuator configured to shift the change gears; a controller for activating the shift actuator and clutch actuator; and a discreet position sensor for sensing the actual position of gear shift lever and clutch shift lever.

Classifications:

International (IPC 8-9): F16H (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
IN04106CH2011 A	20130301	IN2011CH04106	20111129

Probable Assignee: TVS MOTOR CO LTD

Assignee(s): TVS MOTOR CO LTD

Inventor(s): HIMADRI BHUSHAN DAS ; LAKSHMINARAYANA PADHI ; SAMRAJ JABEZ DHINAGAR ; NAGA KAVITHA KOMMURI

7) Family number: 61711598 (WO16026257A1)

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Title: SPEED CONTROL SYSTEM WITH DIRECT GEAR TRANSMISSION AND INFINITELY VARIABLE BELT TRANSMISSION

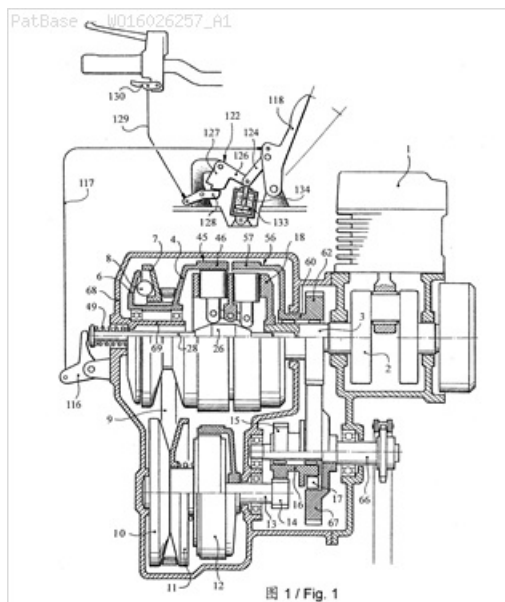
Abstract: A speed control system with a direct gear transmission and an infinitely variable belt transmission, in which a direct gear transmission is added on the basis of an infinitely variable belt system by providing a direct gear converter clutch; while driving, after reaching a starting speed by using infinitely variable belt transmission, a user only needs to step on a gear shift pedal to stop a transmission of the infinitely variable belt transmission system and simultaneously allow a motorcycle to change to a direct gear transmission state. The present invention avoids the problem of a belt breaking in a long journey, and, if a reduced speed cannot be maintained by using the direct gear, facilitates manual or automatic electrical control to allow the motorcycle to return to the infinitely variable belt transmission state; and when speed increases, the user can step on the gear shift pedal again to allow the motorcycle to enter the direct gear transmission state, thus reducing fuel consumption and simplifying gear shifting operations.

Classifications:

International (IPC 8-9): B62M11/04 B62M9/04 F16H37/02

F16H9/18 (Advanced/Invention)

CPC: F16H9/18 F16H37/02



Family:

Publication number	Publication date	Application number	Application date
CN105346665 A	20160224	CN201410404910	20140818
CN105346665 B	20190802	CN201410404910	20140818
WO16026257 A1	20160225	WO2015CN000593	20150817

Priority:

CN201410404910 20140818

Probable Assignee: HAN PEIZHOU

Assignee(s): (std): HAN PEIZHOU

Assignee(s): HANPEI ZHOU

Inventor(s): (std): HAN PEIZHOU

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 20957216 (FR1359197A)

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Title: PERFECTIONNEMENTS APPORTES A LA TRANSMISSION DES CYCLOMOTEURS A RELAIS DEMULTIPLICATEUR DE PEDALIER IMPROVEMENTS IN THE TRANSMISSION OF MOPED multiplier RELAY BRACKET (Machine translation)

Abstract: Source: FR1359197A [FR] (Claim 1) 1. La couronne extérieure de la roue libre, qui est disposée contre la face interne de la poulie, est solidaire du moyeu de cette poulie et, dans une forme de réalisation préférée, fait corps avec celle-ci;

Machine translation: (Claim 1) 1. The outer ring of the freewheel, which is disposed against the inner face of the pulley, is attached to the hub of this pulley and, in a preferred embodiment, is integral therewith;

Classifications:

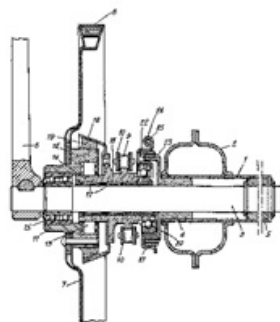
International (IPC 8-9): B62M5/00 F02N3/04 (Advanced/Invention); B62M5/00 F02N3/00 (Core/Invention)

International (IPC 1-7): B62M9/02

CPC: B62M5/00 F02N3/04

European: B62M5/00 F02N3/04

N° 1.359.197 **Extrait de :** **PC, système**
Ateliers de la MotoBecane

**Family:**

Publication number	Publication date	Application number	Application date
FR1359197 A	19640424	FR19630926868	19630305

Priority:

FR19630926868 19630305

Probable Assignee: MOTOBECANE ATELIERS**Assignee(s):** (std): MOTOBECANE ATELIERS**Assignee(s):** ATELIERS DE LA MOTOBECANE**9) Family number: 52786359 (IN04047CH2011A)**

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Title: TORQUE DAMPING SYSTEM

Abstract: The present invention provides a torque damping system for a carburetted automatic manual transmission vehicle having, an automatic manual transmission equipped engine having a clutch actuator configured to actuate clutch and shift actuator configured to shift gears; a controller for activating the shift actuator and clutch actuator; a carburettor having a first air path and a secondary air path with a flow control valve placed parallel to the first air path.

Classifications:**International (IPC 8-9):** F16F F16H (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
IN04047CH2011 A	20130111	IN2011CH04047	20111124

Probable Assignee: TVS MOTOR CO LTD**Assignee(s):** TVS MOTOR CO LTD**Inventor(s):** HIMADRI BHUSHAN DAS ; LAKSHMINARAYANA PADHI ; SAMRAJ JABEZ DHINAGAR ; NAGA KAVITHA KOMMURI**10) Family number: 28364336 (DE10159913A1)**

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Title: CHASSIS WITH ENCAPSULATED INBOARD BRAKES FOR INLINE SKATES AND KICK BOARDS HAS BRAKING WHEELS THAT ARE BROUGHT INTO CONTACT WITH GROUND BY RAISING TOES TO BRAKE

Abstract: The chassis has an electrical arrangement with in-board drum brakes and/or disc brakes, an actuation arrangement and a drive with an internal combustion engine or electric motor. For chassis with more than two wheels, e.g. four, only two wheels are normally in contact with the ground and two braking wheels are brought into contact with the ground by raising the toes to brake. AN Independent claim is also included for the following: brakes for an inventive arrangement, brake actuation, a drive, braking wheels and key engagement arrangements on braking wheels.

Classifications:**International (IPC 8-9):** A63C17/01 A63C17/06 A63C17/12

A63C17/14 (Advanced/Invention);

A63C17/00 A63C17/04 (Core/Invention)

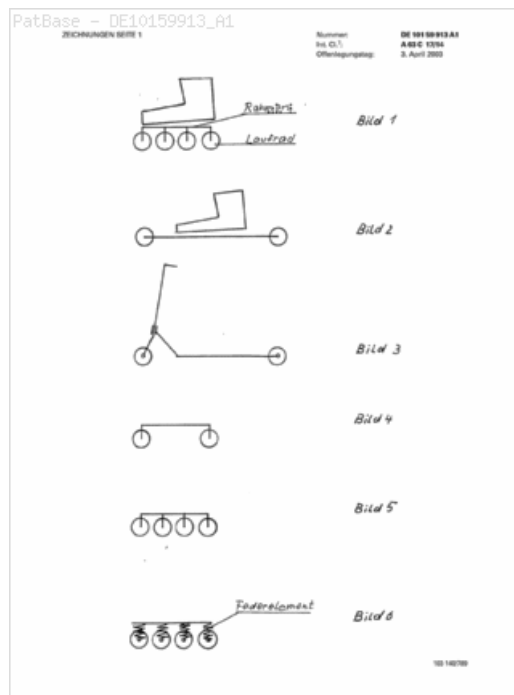
International (IPC 1-7): A63C17/12 A63C17/14**CPC:** A63C17/12 A63C17/0046 A63C17/006 A63C17/0073

A63C17/01 A63C17/062 A63C17/1427

European: A63C17/00B A63C17/00G A63C17/00J A63C17/00N

A63C17/01 A63C17/06 A63C17/06B2 A63C17/12 A63C17/14

A63C17/14B A63C17/14B4



Family:

Publication number	Publication date	Application number	Application date
DE10159913 A1	20030403	DE20011059913	20010515

Priority:

DE20011059913 20010515

Probable Assignee:

KLUDSZUWEIT ALFRED

Assignee(s): (std):

KLUDSZUWEIT ALFRED