

Search history

Search 1: FT=(SCOOTER~ AND DE AND TRES~ AND RUEDAS~) (Results 770)

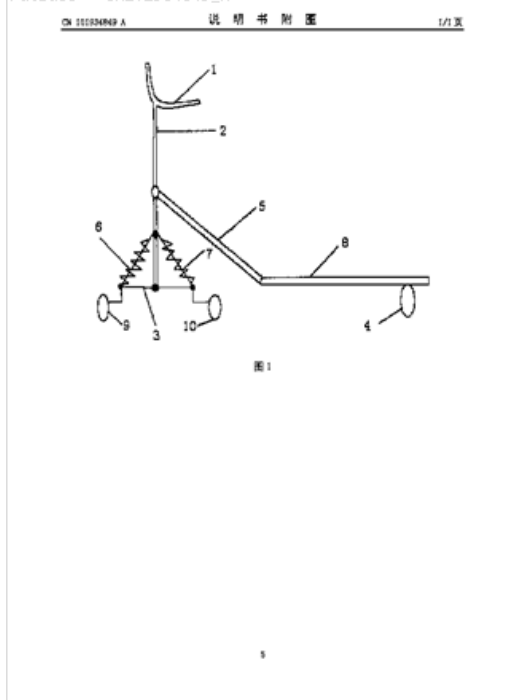
Search 2: three-wheeled scooter (Results 195)

Title: **Three-wheeled scooter**

Abstract: The invention refers to a **three-wheeled scooter** and belongs to the technical field of scooter structures. The **three-wheeled scooter** comprises a handle and a handle standpipe which are structured integrally. The **three-wheeled scooter** is characterized in that: the end of the handle standpipe is movably connected with an axle shaft; the handle standpipe can be slanted rightwards and leftwards around a movable connecting point; two shock absorbing springs are connected between the right and left ends of the axle shaft and the handle standpipe respectively; one end of each of the two shock absorbing springs is fixedly connected with the handle standpipe while the other end is fixedly connected with the right and left ends of the axle shaft; two front wheels are respectively connected to the fixed connecting points of the right and left ends of the axle shaft; and the handle standpipe is connected with a frame having a rear wheel and used for supporting a human body through a sleeve. The **three-wheeled scooter** of the invention is reasonably designed, can move forwards by rotating the handle and changing the gravity of the body without keeping feet on the ground, is force-saving and recreational and has a body-building function.

Classifications:**International (IPC 8-9):** B62K17/00 (Advanced/Invention)

PatBase - CN101934849_A

**Family:**

Publication number	Publication date	Application number	Application date
CN101934849 A	20110105	CN200910016986	20090702

Priority:

CN200910016986 20090702

Probable Assignee:

YU SONG

Assignee(s): (std):

YU SONG

Assignee(s):

SONG YU

Inventor(s): (std):

YU SONG

Inventor(s):

SONG YU

Legal status (INPADOC)[View legal status timeline](#)

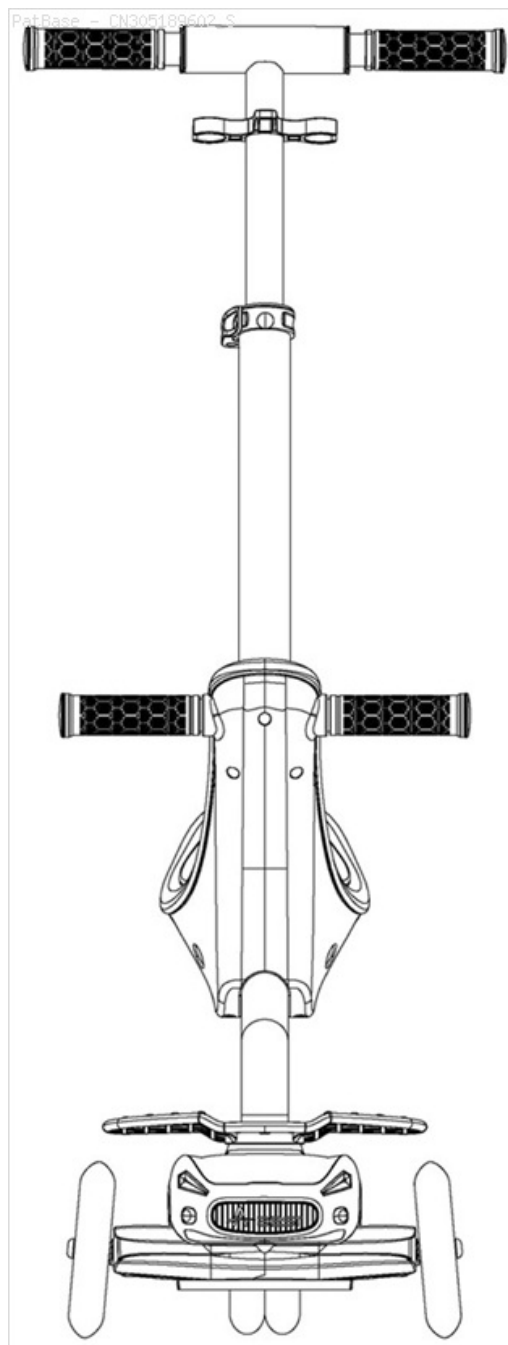
Patent	Date recorded	Event group	Code	Event	Details
CN101934849 A	20110105	LSPB	+	published / reissued	
CN101934849 A	20110105	LSPB	+C06	PUBLICATION	
CN101934849 A	20130320	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	

Title: **Three-wheeled scooter** children (5 in 1) (Machine translation)

Abstract: Source: CN305189602S **Machine translation:** 1. The design product name: **Three-wheeled scooter** children (5 in 1). 2. The product design uses: This design product for children entertainment fitness products. 3. The design product design points are: In the shape of a product. 4. The best indicator of the design elements of the picture or photo: Perspective view.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN305189602 S	20190531	CN201830744241F	20181221

Priority:

CN201830744241F 20181221

Probable Assignee: SHENZHEN LOVE MANCHESTER HIGH NEW TECHNOLOGY CO LTD

Assignee(s): SHENZHEN LOVE MANCHESTER HIGH NEW TECHNOLOGY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN305189602 S	20190531	LSGT	+	granted / extensions (spc, cpc, pte)	
CN305189602 S	20281221	PEXP		Calculated Patent Term Expiry	

Title: SCOOTER

Abstract: A **three-wheeled scooter** comprising a footboard is disclosed. The scooter can include a steering column with at least one steering wheel being disposed on the front end of the footboard in the direction of travel, and two running wheels being rotatably mounted, spaced apart from one another with parallel axes, on the rear end of the footboard in the direction of travel. A load platform connected to the footboard is provided above the running wheels. The association of the steering column and the load platform with the footboard is asymmetric in such a way that on the one hand when pushing off with his pushing foot the rider can carry out a push-off movement which is not hindered by the load platform and on the other hand the scooter is largely resistant to tipping both during the pushing off and also during the travel phase even when traveling around curves.

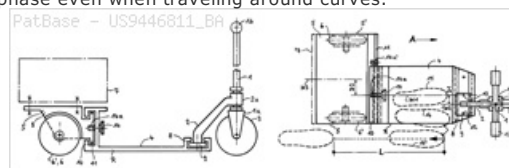
Classifications:

International (IPC 8-9): B62K3/00 B62K5/00

B62K7/04 (Advanced/Invention)

CPC: B62K7/04 B62K3/002 B62K5/02 B62K2015/001

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9446811 BA	20160920	US20150743601	20150618

Priority:

US20150743601 20150618

Probable Assignee: ABEL HELMUT

Assignee(s): (std): ABEL HELMUT

Assignee(s): HELMUT ABEL

Inventor(s): (std): ABEL CELINE ; ABEL HELMUT ; ABEL DIANE

Agent(s): AKERMAN LLP; PETER A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US9446811 BA	20160920	LSGT	+	granted / extensions (spc, cpc, pte)	
US9446811 BA	20150918	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABEL, HELMUT, FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ABEL, HELMUT; ABEL, DIANE; REEL/FRAME:036603/0289 EFFECTIVE DATE : 20150701
US9446811 BA	20150918	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABEL, HELMUT, FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ABEL, HELMUT; ABEL, DIANE; ABEL, CELINE; REEL/FRAME:036603/0341 EFFECTIVE DATE : 20150701
US9446811 BA	20160831	LSGT	PAT1	Patented Case	
US9446811 BA	20160831	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9446811 BA	20350618	PEXP		Calculated Patent Term Expiry	

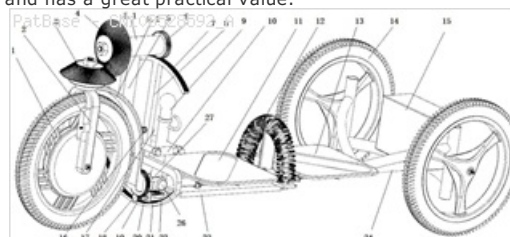
Title: ELECTRIC **THREE-WHEELED SCOOTER**

Abstract: Provided is an electric **three-wheeled scooter**. A mechanical structure of a steering system is novel in design, left-right inclination of a front pedal is utilized to control steering of the scooter, turning of the electric **three-wheeled scooter** is prevented, a pressure sensor is embedded into the pedal, a running switch is controlled by treading the pedal with double feet, a small gear in front of a track box can be effectively kept still in situ during left-right swing by adopting the track box structure design at the bottom of the scooter, thus rotation of a lower rack is driven, it is ensured that a front wheel frame and a front rod and a rear rod connected with the small gear during rotation of the front wheel frame can be kept on the same straight line, accordingly the relative positions of the small gear and the front wheel frame are kept unchanged, and steering of front wheels of the scooter is achieved. The electric **three-wheeled scooter** is simple in whole structure, practical and safe, can be effectively controlled by a user, brings convenience to the user for use and outgoing and has a great practical value.

Classifications:

International (IPC 8-9): B62K5/027 (Advanced/Invention)

CPC: B62K5/027 B62K2204/00



Family:

Publication number	Publication date	Application number	Application date
CN108528592 A	20180914	CN201810486355	20180521

Priority:

CN201810486355 20180521

Probable Assignee: UNIV SHANGHAI MARITIME

Assignee(s): (std): SHANGHAI MARITIME UNIV ; UNIV SHANGHAI MARITIME

Inventor(s): (std): CHANG YUZHANG ; GENG RUI ; REN DA ; ZHU FUMIN ; ZHU KONGWEI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN108528592 A	20180914	LSPB	+	published / reissued	
CN108528592 A	20180914	LSPB	PB01	PUBLICATION	

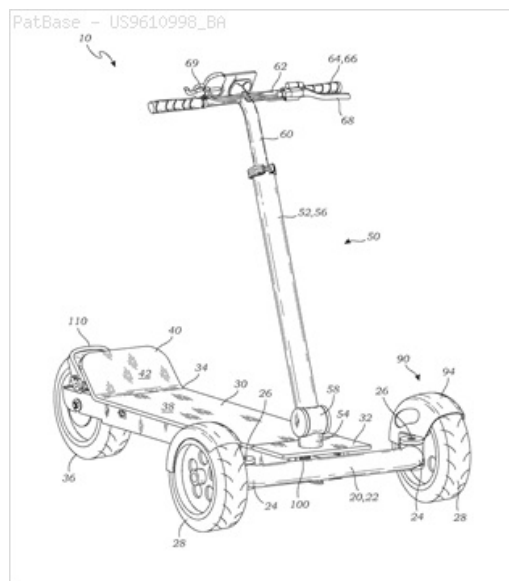
Title: SCOOTER AND STEERING SYSTEM

Abstract: A scooter has a front support frame that is pivotally connected to a scooter deck. A pair of front wheels are each operably mounted the front support frame via wheel pivots. At least one spring is operably mounted between the front support frame and the scooter deck for biasing the scooter deck towards a horizontal configuration, but enabling the scooter deck to move to a leaning configuration when turning. A steering transmission arm transmits lateral movement via a pair of steering rods to the front wheels, so that when the scooter deck is leaned to one of the leaning configurations, the movement causes the steering transmission arm to turn the front wheels via the steering rods.

Classifications:

International (IPC 8-9): B62K21/14 B62K5/08 (Advanced/Invention);
B62K5/00 (Advanced/Non-invention)

CPC: B62K5/08 B62K21/145 B62K2005/001 B62H2005/008 B62K3/002
B62K5/05 B62K5/10 B62K2201/04

**Family:**

Publication number	Publication date	Application number	Application date
US9610998 BA	20170404	US20160193597	20160627

Priority:

US20150271853P 20151228 US20160193597 20160627

Probable Assignee:

LABONTY PHILLIP

Assignee(s): (std):

LABONTY PHILLIP

Inventor(s): (std):

LABONTY PHILLIP

Agent(s):

ERIC; KARICH AND ASSOCIATES

Legal status (INPADOC)

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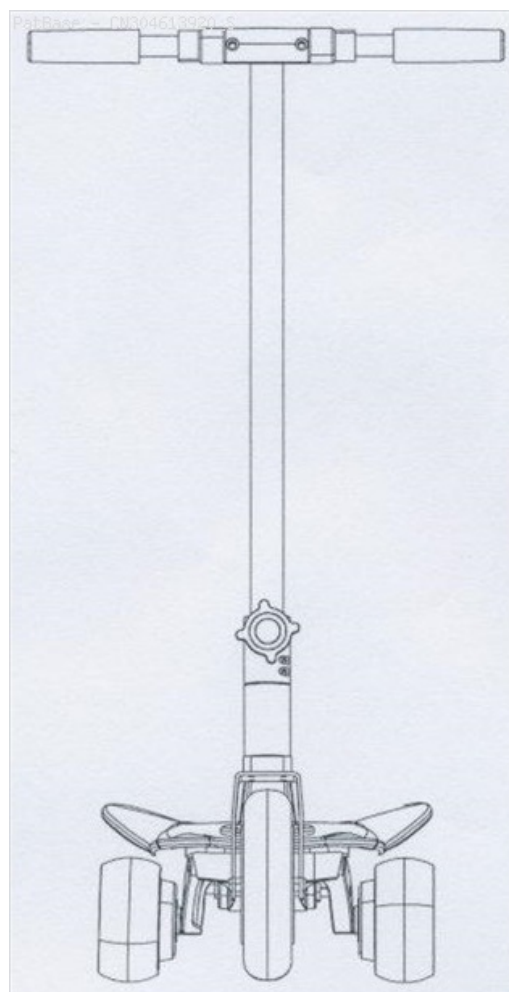
Patent	Date recorded	Event group	Code	Event	Details
US9610998 BA	20170404	LSGT	+	granted / extensions (spc, cpc, pte)	
US9610998 BA	20170315	LSGT	PAT1	Patented Case	
US9610998 BA	20170315	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9610998 BA	20360627	PEXP		Calculated Patent Term Expiry	

Title: Electric **three-wheeled scooter** (Machine translation)

Abstract: Source: CN304613920S **Machine translation:** 1, the design of the product name: Electric **three-wheeled scooters**. 2, the product design uses: For the scooter or recreational sports. 3, the product design elements of the design: That shape. 4. The best indicator of the design elements of the picture or photo: Perspective view.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN304613920 S	20180504	CN201730507895F	20171011

Priority:

CN201730507895F 20171011

Probable Assignee:

ZHEJIANG SHUO CHI LTD

Assignee(s):

ZHEJIANG SHUO CHI LTD

Legal status (INPADOC)

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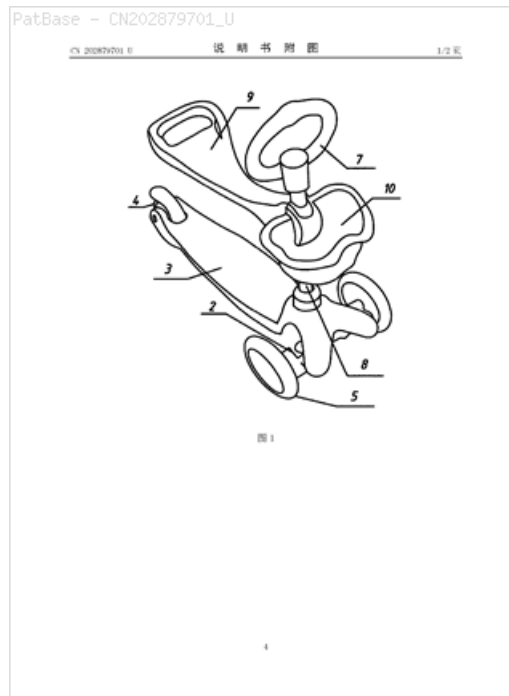
Patent	Date recorded	Event group	Code	Event	Details
CN304613920 S	20180504	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304613920 S	20271011	PEXP		Calculated Patent Term Expiry	

Title: NOVEL **THREE-WHEELED SCOOTER**

Abstract: The utility model discloses a novel **three-wheeled scooter** which comprises a saddle underframe, a cushion, a steering gear and a pedal, wherein a rear wheel is arranged on the middle rear portion of the saddle underframe, and the steering gear is connected with the front end of the saddle underframe in a pivot mode. Two front wheels are respectively arranged on steering supports located two sides of the steering gear, and reinforced ribs are arranged between the steering gear and the saddle underframe. The novel **three-wheeled scooter** has the advantages that a user can slide the novel **three-wheeled scooter** in a sitting mode, and steering of the novel **three-wheeled scooter** can be realized through gravity center of the user. A basket for containing objects is arranged on the front of the scooter, and a handle has different appearances, and the structure is novel.

Classifications:

International (IPC 8-9): B62K9/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202879701 U	20130417	CN201220574334U	20121030

Priority:

CN201220574334U 20121030

Probable Assignee:

LI JING

Assignee(s): (std):

LI JING

Inventor(s): (std):

LI JING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN202879701 U	20130417	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202879701 U	20130417	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202879701 U	20221030	PEXP		Calculated Patent Term Expiry	

Title: Belt running function **three-wheeled scooter** (Machine translation)

Abstract: Source: CN304801427S **Machine translation:** 1. The design product name: Belt running function **three-wheeled scooters**. 2. The product design uses: This design product for recreational sports riding. 3. The design product design points are: Appearance of the structure. 4. The best indicator of the design elements of the picture or photo: Perspective view.

Classifications:

Locarno class: 21/02



Family:

Publication number	Publication date	Application number	Application date
CN304801427 S	20180904	CN201830141213F	20180410

Priority:

CN201830141213F 20180410

Probable Assignee: WENZHOU AI RUI TECHNOLOGY CO LTD

Assignee(s): WENZHOU AI RUI TECHNOLOGY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304801427 S	20180904	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304801427 S	20280410	PEXP		Calculated Patent Term Expiry	

Title: EXTRAVEHICULAR APPARATUS FOR LOADING AND SECURING CARGO

Abstract: A device has a sliding tube assembly which can be mounted to a motor vehicle. The tube assembly has three tubes which coaxially telescope between a lowered loading/unloading position and either a raised storage position or a raised loaded position. A pivotable platform attached to the tube assembly is controlled by a logic mechanism which senses whether cargo is present on the platform. If cargo is present, the platform may be raised and a locking mechanism secures the cargo to the platform. If no cargo is present as the platform is raised, it pivots into a folded storage position and is held securely by the locking mechanism. When the platform is in one of the two raised positions, the tube assembly and platform tilt forward. The device is driven by a motor activated linear actuator extending down through the tube assembly. A control system governs operation of the device.

Classifications:

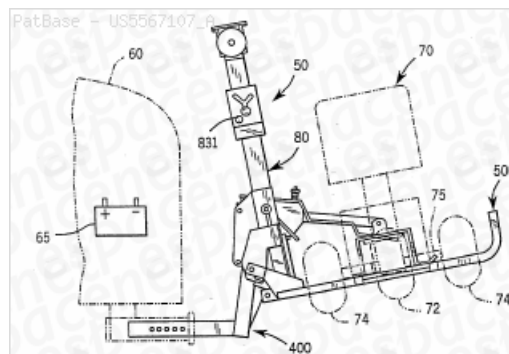
International (IPC 8-9): B60P3/07 B60R9/06 (Advanced/Invention);
B60P3/06 B60R9/00 (Core/Invention)

International (IPC 1-7): B60P3/06 B60R9/06

CPC: B60P3/07 B60R9/06 Y10S241/38

European: B60P3/07 B60R9/06

US: 224/524 224/536 241/200 241/DIG.38 414/462 414/541 414/545



Family:

Publication number	Publication date	Application number	Application date
US5567107 A	19961022	US19940284043	19940801

Priority:

US19920976896 19921116 US19940284043 19940801

Probable Assignee: BOYD ROBERT M

Assignee(s): (std): BOYD ROBERT M ; BRUNO MICHAEL R

Inventor(s): (std): BOYD ROBERT M ; BRUNO MICHAEL R

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5567107 A	19961022	LSGT	+	granted / extensions (spc, cpc, pte)	
US5567107 A	20001013	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5567107 A	20040513	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5567107 A	20081022	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5567107 A	20081117	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5567107 A	20081117	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5567107 A	20081209	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20081022
US5567107 A	20140801	PEXP		Calculated Patent Term Expiry	

Title: WHEEL EXCHANGEABLE SCOOTER

Abstract: A scooter with variable wheel configuration capable of being configured from a two-wheeled vehicle to a three-wheeled vehicle and vice-versa, according to requirement, is provided. The scooter includes: a frame for supporting and carrying a rider or a passenger and containing a battery and a controller; a steering assembly mounted on the front of the frame to pivot in left and right directions for steering, the steering assembly having a lower portion to which a front wheel is rotatably mounted and an upper portion provided with a handgrip for a rider to steer, a brake lever, an actuator control lever, and a throttle grip; a mount formed at a rear end of the frame in one-piece, the mount having a first mounting portion on one end and a second mounting portion on the other end; a first driving unit detachably mounted on the first mounting portion of the mount for a two-wheeled configuration or on the second mounting portion of the mount for a three-wheeled configuration; and a second driving unit detachably mounted to the first mounting portion and connected to the first driving unit for the three-wheeled configuration.

Classifications:

International (IPC 8-9): B62D61/12 B62K11/00 B62K13/04
B62K3/00 (Advanced/Invention);

B62K11/00 (Advanced/Non-invention);

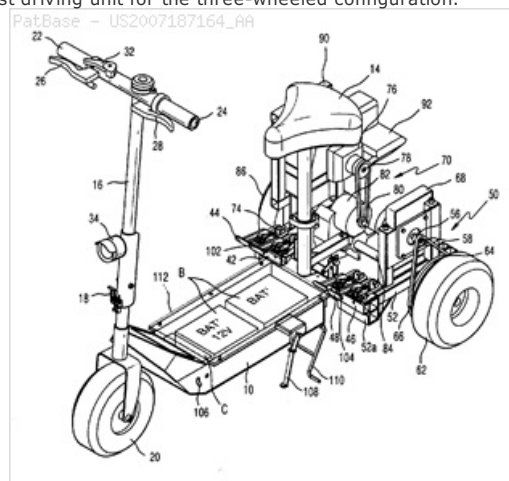
B62D61/00 B62K11/00 B62K13/00 B62K3/00 (Core/Invention)

International (IPC 1-7): B62K11/00

CPC: B62D61/12 B62K3/002 B62K13/04

European: B62D61/12 B62K13/04 B62K3/00B

US: 180/209



Family:

Publication number	Publication date	Application number	Application date
CN1930036 A	20070314	CN200580007525	20050308
EP1723029 A1	20061122	EP20050726915	20050308
EP1723029 A4	20091021	EP20050726915	20050308
KR100583430 B1	20060524	KR20040015556	20040308
KR20050090227 A	20050913	KR20040015556	20040308
US2007187164 AA	20070816	US20050591967	20050308
WO05085053 A1	20050915	WO2005KR00638	20050308

Priority:

KR20040015556 20040308 WO2005KR00638 20050308

Probable Assignee: YANG KYUNG SUK

Assignee(s): (std): BACK IN SUK ; YANG KYOUNG SUK ; YANG KYUNG SUK

Inventor(s): (std): BACK IN SUK ; IN SUK YANG KYUNG SUK BACK ; YANG KYUNG SUK ; YANG KYOUNG SUK ; BACK IN SOOK

Inventor(s): YANG KYUNG SUK BACK IN SUK

Agent(s): CANTOR COLBURN LLP

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 KP KZ LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO 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 YU ZA ZM ZW

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Patent	Date recorded	Event group	Code	Event	Details
CN1930036 A	20070314	LSPB	+	published / reissued	
CN1930036 A	20070314	LSPB	+C06	PUBLICATION	
CN1930036 A	20091104	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
EP1723029 A1	20061122	LSPB	+	published / reissued	
EP1723029 A1	20061122	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20061005
EP1723029 A4	20091021	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20090917
EP1723029 A4	20100324	LSDW	-18D	APPLICATION DEEMED	EFFECTIVE DATE : 20091001

TO BE WITHDRAWN					
KR100583430 B1	20060524	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100583430 B1	20090519	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100583430 B1	20240308	PEXP		Calculated Patent Term Expiry	
KR20050090227 A	20050913	LSPB	+	published / reissued	
KR20050090227 A	20040308	LSES	A201	REQUEST FOR EXAMINATION	
KR20050090227 A	20051114	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20050090227 A	20060221	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20050090227 A	20060518	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
US2007187164 AA	20070816	LSPB	+	published / reissued	
US2007187164 AA	20060907	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : YANG, KYUNG-SUK, KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BACK, IN-SUK; REEL/FRAME:018287/0098 EFFECTIVE DATE : 20060825
US2007187164 AA	20090605	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
US2007187164 AA	20090605	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO PAY ISSUE FEE
WO05085053 A1	20050915	LSPB	+	published / reissued	
WO05085053 A1	20060906	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005726915 COUNTRY OF REF DOCUMENT : EP
WO05085053 A1	20060907	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007187164 COUNTRY OF REF DOCUMENT : US
WO05085053 A1	20060907	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10591967 COUNTRY OF REF DOCUMENT : US
WO05085053 A1	20060908	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580007525.7 COUNTRY OF REF DOCUMENT : CN
WO05085053 A1	20060909	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO05085053 A1	20060909	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO05085053 A1	20061122	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005726915 COUNTRY OF REF DOCUMENT : EP
WO05085053 A1	20070816	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 10591967 COUNTRY OF REF DOCUMENT : US

Title: TORQUE STICK APPARATUS AND METHODS OF USE

Abstract: A method of operating a personal transporter includes mounting the personal transporter. A torque stick apparatus having a rotating wheel is provided. The wheel of the torque stick apparatus is positioned against a drive surface to drive the personal transporter across a transport surface.

Classifications:

International (IPC 8-9): A63C5/08 B60K1/04 B60K7/00 B60L11/00

B60L11/18 B60L15/20 B60L15/30 B60L7/12 B62D51/02

B62M6/40 (Advanced/Invention);

A63C17/12 B60L13/10 B60V1/14 B62K3/00 B62M6/45

B62M6/50 (Advanced/Non-invention)

CPC: B60L7/12 B60L2200/24 B60L2220/16 B60L2220/46 B60L2240/421

B60L2240/461 B60Y2400/112 B60Y2400/602 B60Y2300/91 B60Y2200/91

A63C17/12 B60V1/14 B62M6/50 B62D51/02 B60L15/30 B60L13/10

B60L2200/46 B60L15/2009 B60L50/20 B60L50/52 B60L50/66 B60L53/16

B60L53/18 B60L58/22 B60K1/04 B60K7/0007 B60Y2200/112

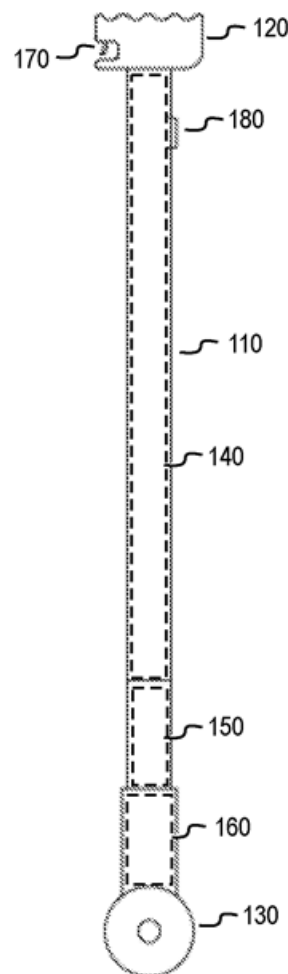
B60Y2200/126 B60Y2200/81 B62K3/002 B62M6/40 B62M6/45

Y02T10/7258 A63C5/08 A63C5/085 A63C17/26

US: 180/180

PatBase - US2017190365_AA

100



Family:

Publication number	Publication date	Application number	Application date
US2017190365 AA	20170706	US20160279330	20160928
US2019100260 AA	20190404	US20180126838	20180910
US10071778 BB	20180911	US20160279330	20160928

Priority:

US20150274146P 20151231 US20160279330 20160928 US20180126838 20180910

Probable Assignee: SIERRA EXTREME

Assignee(s): (std): SIERRA EXTREME

Inventor(s): (std): CAMPBELL DEAN EDWARD

Agent(s): DAVIS AND ASSOCIATES; DAVIS WILLIAM D

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10071778 BB	20180911	LSGT	+	granted / extensions	(spc, cpc, pte)

US10071778 BB	20170118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SIERRA EXTREME, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CAMPBELL, DEAN EDWARD; REEL/FRAME:040995/0380 EFFECTIVE DATE : 20161112
US10071778 BB	20180823	LSGT	PAT1	Patented Case	
US10071778 BB	20360928	PEXP		Calculated Patent Term Expiry	
US2017190365 AA	20170706	LSPB	+	published / reissued	
US2017190365 AA	20170313	LSES	NFA1	Non Final Action Mailed	
US2017190365 AA	20180516	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017190365 AA	20180809	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017190365 AA	20180823	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019100260 AA	20190404	LSPB	+	published / reissued	
US2019100260 AA	20190222	LSES	NFA1	Non Final Action Mailed	

Title: **Three-wheeled scooter** children (Machine translation)

Abstract: Source: CN304842992S **Machine translation:** 1. The design product name: **Three-wheeled scooter** children. 2. The product design uses: This design product for children entertainment fitness products. 3. The design product design points are: The appearance of the product shape. 4. The best indicator of the design elements of the picture or photo: Perspective view.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN304842992 S	20181009	CN201830272937F	20180602

Priority:

CN201830272937F 20180602

Probable Assignee: YONGKANG COMMERCIALY AI HALEX LEISURE GOODS FACTORY

Assignee(s): YONGKANG COMMERCIALY AI HALEX LEISURE GOODS FACTORY

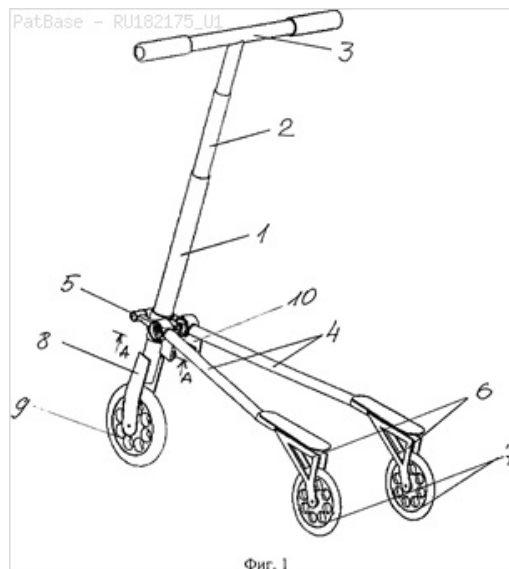
Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304842992 S	20181009	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304842992 S	20280602	PEXP		Calculated Patent Term Expiry	

Abstract: Source: RU182175U **Machine translation:** The invention relates to the field of devices for actuating the human muscle power, in particular to the individual bezmotornyy vehicles, which do not have any mechanism for the movement, the movement is performed exclusively physical force. A **three-wheeled scooter** comprises a housing, a steering column, steering wheel, front yoke to the steering wheel and the two beams, each of which, on the one hand is pivotally connected to the housing movable member, according to the utility model the movable member is provided with an additional bracket, the center of the bend which is connected with the housing, and the ends are connected to each of the beams. a scooter 2-vl.

CPC: B62M1/00



Publication number	Publication date	Application number	Application date
RU182175 U1	20180806	RU20180110675U	20180323

Assignee(s): BRIEF OTVETSTVENNOSTYU CENTER FOR DEVELOPMENT OF PERSPECTIVE DIRECTIONS OF CULTURE OF ;
LIABILITY CO CENTER FOR DEVELOPMENT OF PROMISING AREAS OF CULTURE LTD

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
RU182175 U1	20180806	LSGT	+	granted / extensions (spc, cpc, pte)	
RU182175 U1	20260323	PEXP		Calculated Patent Term Expiry	

Title: Open and closed type **three-wheeled scooter** with toothed plate limiting

Abstract: The utility model relates to an open and closed type **three-wheeled scooter** with toothed plate limiting. The **three-wheeled scooter** adopts the structure that a front wheel carrier is installed on a scooter frame; a front wheel is installed below the front wheel carrier; a left toothed plate is fixedly installed on a left hinged shaft rotationally connected to the front end of a left scooter beam; a right toothed plate is fixedly installed on a right hinged shaft rotationally connected to the front end of a right scooter beam; and the left toothed plate is meshed with the right toothed plate. The **three-wheeled scooter** solves the defects in the conventional **three-wheeled scooter** that the direction of is not stable and is difficult to master during static and sliding processes due to the fact that a scooter frame is not provided with a limiting device. The **three-wheeled scooter** has the advantages that the structure is simple; the direction is stable; the **three-wheeled scooter** is safe to ride; and the cost is low.

Classifications:

International (IPC 8-9): B62K17/00 (Advanced/Invention)

PatBase - CN201834141_U

CN 20080141 U 说明书附图 2/2 页

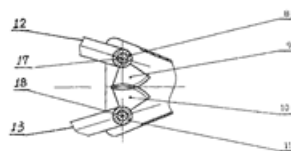


图 3

6

Family:

Publication number	Publication date	Application number	Application date
CN201834141 U	20110518	CN201020531207U	20100916

Priority:

CN201020531207U 20100916

Probable Assignee:

JUNGUO MOU

Assignee(s): (std):

JUNGUO MOU

Assignee(s):

MOU JUNGUO

Inventor(s): (std):

JUNGUO MOU

Inventor(s):

MOU JUNGUO

Legal status (INPADOC)

[View legal status timeline](#)

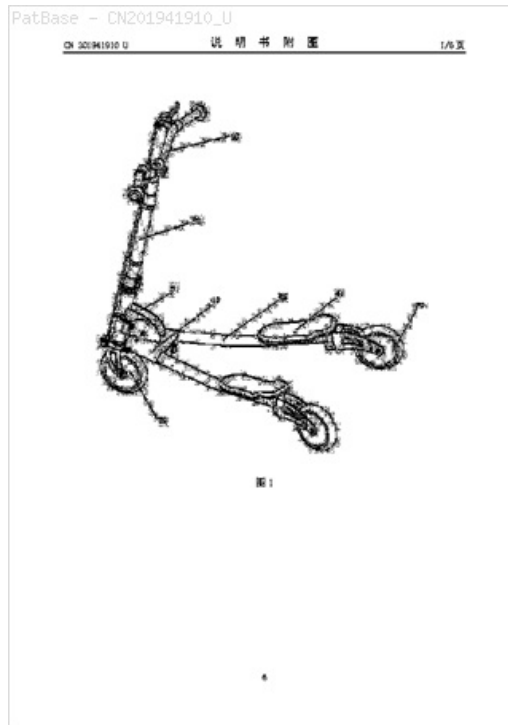
Patent	Date recorded	Event group	Code	Event	Details
CN201834141 U	20110518	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201834141 U	20110518	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201834141 U	20121114	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN201834141 U	20200916	PEXP		Calculated Patent Term Expiry	

Title: Foldable **three-wheeled scooter**

Abstract: The utility model relates to a foldable **three-wheeled scooter** which comprises a handle, an upright stanchion, a connecting piece, a left supporting pole, a right supporting pole, a foot board, a front wheel and a universal rear wheel. The foldable **three-wheeled scooter** is characterized in that the connecting piece comprises an inclined tube group and a joint seat group, the inclined tube group is connected with the lower end of the upright stanchion, and the joint seat group used for limiting is connected with the left supporting pole and the right supporting pole; two connecting ears formed in parallel are fixed on the inclined tube group; the joint seat group comprises a folding seat and an arc-shaped connecting plate, the folding seat can hold the left supporting pole and the right supporting pole, and the arc-shaped connecting plate is fixed on the upper surface of the folding seat and is matched with the connecting ears in a lapping manner; the connecting ears and the arc-shaped connecting plate can form a hinge point by a first twin locking screw bolt through first hinge holes and second hinge holes, and the first hinge holes and the second hinge holes are respectively formed on the upper surfaces of the connecting ears and the arc-shaped connecting plate; and a groove-pin matching connecting mechanism used for locking or releasing the arc-shaped connecting plate and the connecting ears is arranged on the arc-shaped connecting plate and the connecting ears. A folding device of the foldable **three-wheeled scooter** adopts a structure combining a connecting groove, a spring and an oblique block, has the advantages of simple structure and reliable connection, and is convenient to dispart and unite; in addition, a supporting pole limiting device has a simple and reliable structure.

Classifications:

International (IPC 8-9): B62K15/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201941910 U	20110824	CN201120002852U	20110107

Priority:

CN201120002852U 20110107

Probable Assignee: ZHEJIANG JINBANG SPORTS EQUIPMENT CO LTD

Assignee(s): (std): ZHEJIANG JINBANG SPORTS EQUIPMENT CO LTD

Assignee(s): ZHEJIANG JINBANG SPORTS EQUIPMENT CO

Inventor(s): (std): YONGQIANG XU

Inventor(s): XU YONGQIANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN201941910 U	20110824	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201941910 U	20110824	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201941910 U	20210107	PEXP		Calculated Patent Term	Expiry

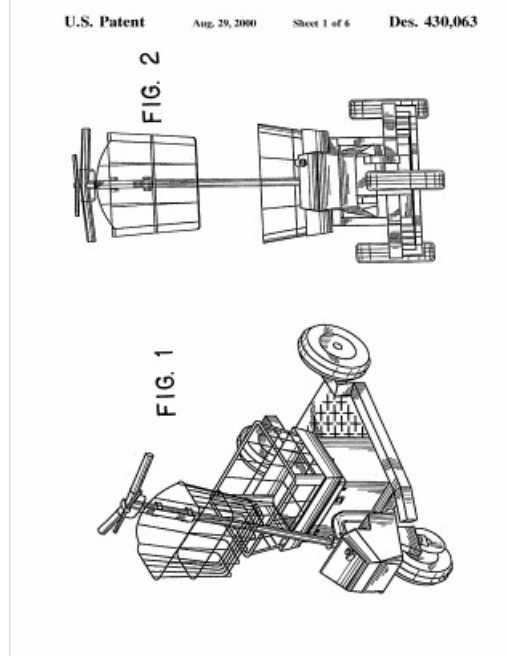
Title: **Three-wheeled scooter**

Abstract: (Claims)The ornamental design of a **three-wheeled scooter**, as shown and described.

Classifications:

US: D12/85

PatBase - USD430063_S1



Family:

Publication number	Publication date	Application number	Application date
USD430063 S1	20000829	US19980091434F	19980730

Priority:

US19980091434F 19980730

Probable Assignee:

CONCEPTUAL PERCEPTIONS INC

Assignee(s):

CONCEPTUAL PERCEPTIONS INC

Inventor(s):

GARY RUTBERG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
USD430063 S1	20000829	LSGT	+	granted / extensions (spc, cpc, pte)	
USD430063 S1	20000810	LSGT	PAT1	Patented Case	
USD430063 S1	20140829	PEXP		Calculated Patent Term Expiry	

Abstract: A riding toy, free from maintenance work like battery replacement and able to urge a rider to take exercise while preventing the rider from getting tired thereof, has one front wheel and two rear wheels that are provided rotatably on a body, a generating motor linked with the rear wheels via a power transmission mechanism, a rectifier bridge circuit rectifying an output current from the generating motor, a storage unit storing a direct current from the rectifier bridge circuit, button switches of a button group on the body or a handlebar, an output unit on the handlebar including a sound emitting device or a light emitting device and a control unit causing the light emitting device or the sound emitting device of the output unit to perform a predetermined operation in response to operation of the button switches based on a current supplied from the storage unit.

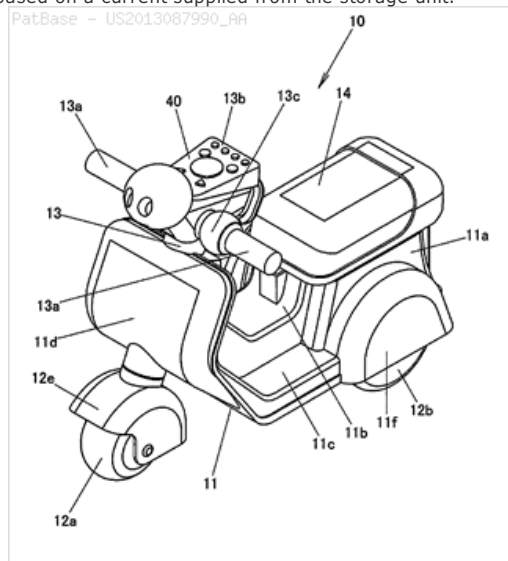
International (IPC 8-9): A63G25/00 A63H17/00 B62J6/10 B62J6/16
B62K9/00 (Advanced/Invention)

CPC: B62K9/00 B62J6/10 B62J6/16

US: 1/1 280/304.2

JP F-Term: 2C085

JP F-Index: A63G25/00



Publication number	Publication date	Application number	Application date
CN103028259 A	20130410	CN201210375020	20120929
CN103028259 B	20160518	CN201210375020	20120929
EP2578478 A1	20130410	EP20120187448	20121005
EP2578478 B1	20190102	EP20120187448	20121005
JP2014176755 A2	20140925	JP20140133884	20140630
JP3172407 U	20111215	JP20110005849U	20111005
JP5749381 B2	20150715	JP20140133884	20140630
US2013087990 AA	20130411	US20120644265	20121004
US9266577 BB	20160223	US20120644265	20121004

JP20110005849 20111005 JP20110005849U 20111005 US20120644265 20121004
JP20140133884 20140630

Assignee(s): (std): AGATSUMA CO LTD : AGATSUMA KK

Inventor(s): (std): TODOKORO SHINJI

Agent(s): SKONE JAMES ROBERT EDMUND; GILL JENNINGS AND EVERY LLP; MARBURY LAW GROUP PLLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT
RO RS SE SI SK SM TR

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Patent	Date recorded	Event group	Code	Event	Details
CN103028259 A	20130410	LSPB	+	published / reissued	
CN103028259 A	20130410	LSPB	+C06	PUBLICATION	
CN103028259 B	20160518	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103028259 B	20160518	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103028259 B	20320929	PEXP		Calculated Patent Term Expiry	
EP2578478 A1	20130410	LSPB	+	published / reissued	

EP2578478 A1	20131120	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20131010
EP2578478 A1	20170118	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20161214
EP2578478 A1	20180822	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180725
EP2578478 B1	20190102	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2578478 B1	20190102	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2578478 B1	20190115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2578478 B1	20190115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1083997 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190115
EP2578478 B1	20190123	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2578478 B1	20190124	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602012055365 COUNTRY OF REF DOCUMENT : DE
EP2578478 B1	20190527	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2578478 B1	20321005	PEXP		Calculated Patent Term Expiry	
JP2014176755 A2	20140925	LSPB	+	published / reissued	
JP2014176755 A2	20150123	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150122
JP2014176755 A2	20150320	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150320
JP2014176755 A2	20150409	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2014176755 A2	20150417	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20150416
JP2014176755 A2	20150521	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20150513
JP2014176755 A2	20150522	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5749381 COUNTRY OF REF DOCUMENT : JP
JP3172407 U	20111215	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3172407 U	20211005	PEXP		Calculated Patent Term Expiry	
JP5749381 B2	20150715	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5749381 B2	20140701	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140630
JP5749381 B2	20140814	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140729

JP5749381 B2	20150423	LSGT	+A01	特許査定書 Decision of patent grant	
JP5749381 B2	20150519	LSFE	R100	特許料納付書 Patent fee payment form	
JP5749381 B2	20150522	LSGT	+R150	特許証 Patent certificate	
JP5749381 B2	20180510	LSFE	R20	特許料納付書 Patent fee payment form	
JP5749381 B2	20180515	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5749381 B2	20190516	LSFE	R20	特許料納付書 Patent fee payment form	
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JP5749381 B2	20340630	PEXP		Calculated Patent Term Expiry	
US2013087990 AA	20130411	LSPB	+	published / reissued	
US2013087990 AA	20160203	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9266577 BB	20160223	LSGT	+	granted / extensions (spc, cpc, pte)	
US9266577 BB	20121004	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AGATSUMA CO., LTD, JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:TODOKORO, SHINJI; REEL/FRAME:029074/0903 EFFECTIVE DATE : 20121002
US9266577 BB	20151105	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9266577 BB	20160203	LSGT	PAT1	Patented Case	
US9266577 BB	20321004	PEXP		Calculated Patent Term Expiry	

Title: Compact multipurpose trailer tug

Abstract: A light portable tug including reversible wheels, a direct current motor device for driving the wheels and a drive train between such motor and wheels and including a control device for selectively rotating such wheels for controlling the direction of such Tug.

Classifications:

International (IPC 8-9): B60D1/66 B62D51/04 B62D53/08

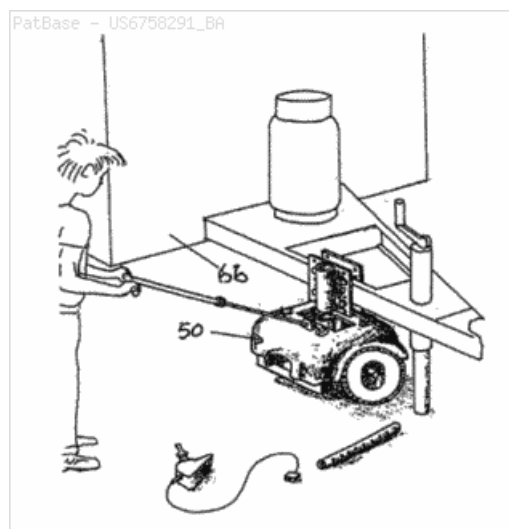
B62D59/02 (Advanced/Invention)

International (IPC 1-7): B62D51/04

CPC: B60D1/246 B60D1/66 B60D2001/006 B62D51/04 B62D53/0864 B62D59/02

European: B60D1/24J B60D1/66 B62D51/04 B62D53/08D3 B62D59/02 L60D1/00B4H

US: 180/11 180/19.1 180/218



Family:

Publication number	Publication date	Application number	Application date
US6758291 BA	20040706	US20020190225	20020705

Priority:

US20020190225 20020705

Probable Assignee:

KOCH RICHARD KARL

Assignee(s):

KOCH RICHARD KARL

Inventor(s): (std):

KOCH RICHARD KARL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US6758291 BA	20040706	LSGT	+	granted / extensions (spc, cpc, pte)	
US6758291 BA	20080107	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6758291 BA	20120706	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6758291 BA	20120806	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6758291 BA	20120806	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6758291 BA	20120828	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20120706
US6758291 BA	20220705	PEXP		Calculated Patent Term Expiry	

Title: REMOVABLE BATTERY CIRCUIT SYSTEM FOR ELECTRIC VEHICLES

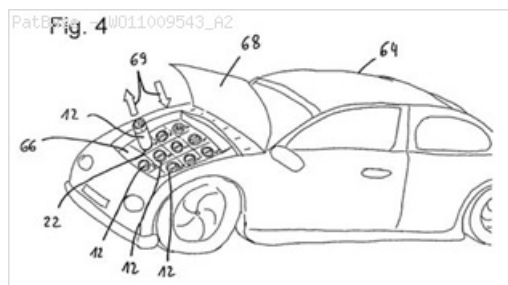
Abstract: The invention relates to a removable battery circuit system for recharging electric vehicles at electric charging stations. The motor vehicles each comprise a plurality of identical removable batteries, which the user can exchange. A control device selectively controls the extraction of energy from the removable battery modules, such that the removable battery modules are individually discharged in series or in groups. The charging stations have automatic chargers at which the battery array of a motor vehicle can be charged, by selectively replacing the discharged removable battery modules with identical yet charged removable battery modules.

Classifications:

International (IPC 8-9): B60K1/04 B60L11/18 B60S5/00 B60S5/06 H01M2/10 (Advanced/Invention)

CPC: B60S5/06 B60K1/04 B60K2001/0411 B60K2001/0466 H01M2/1077 H01M2/1083 Y02T10/7005 Y02T10/705 Y02T90/124 Y02T90/128 Y02T90/14 Y02T90/163 Y02T10/7088 B60L50/64 B60L50/66 B60L53/305 B60L53/80

European: B60K1/04 B60L11/18L6 B60L11/18M36 B60L11/18M38 B60S5/06 H01M2/10C4B H01M2/10C4C L60K1/04A1 L60K1/04C3 L60L230/16 Y02E60/12 Y02T10/70B Y02T10/70H4 Y02T10/70H6 Y02T10/70J4 Y02T90/12F Y02T90/12L Y02T90/14 Y02T90/16D

**Family:**

Publication number	Publication date	Application number	Application date
DE102009034698 A1	20110127	DE200910034698	20090724
DE502010012410 D1	20161103	DE201050012410T	20100713
EP2456637 A2	20120530	EP20100734685	20100713
EP2456637 B1	20160914	EP20100734685	20100713
TR201613994 T4	20161021	TR20160013994T	20100713
WO11009543 A2	20110127	WO2010EP04244	20100713
WO11009543 A3	20110623	WO2010EP04244	20100713

Priority:

DE200910034698 20090724 EP20100734685 20100713 WO2010EP04244 20100713

Probable Assignee: SANLI ISMAIL

Assignee(s): (std): SANLI ISMAIL

Assignee(s): ISMAIL SANLI

Inventor(s): (std): SANLI ISMAIL

Inventor(s): ISMAIL SANLI

Agent(s): BLUMBACH ZINNGREBE PATENT U RECHTSANWAELTE PARTG MBB; MERGEL VOLKER; MUESERREF AKYOL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102009034698 A1	20110127	LSPB	+	published / reissued	
DE102009034698 A1	20110127	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE102009034698 A1	20180911	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE102009034698 A1	20181018	LSRV	-R003	REFUSAL DECISION NOW FINAL	
EP2456637 A2	20120530	LSPB	+	published / reissued	
EP2456637 A2	20120530	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120105
EP2456637 A2	20160525	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160429
EP2456637 B1	20160914	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2456637 B1	20160914	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D

						TEXT : NOT ENGLISH
EP2456637 B1	20160915	LSNP	REG	REFERENCE TO A NATIONAL CODE		REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2456637 B1	20161005	LSGT	REG	REFERENCE TO A NATIONAL CODE		REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2456637 B1	20161015	LSNP	REG	REFERENCE TO A NATIONAL CODE		REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 828558 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161015
EP2456637 B1	20161103	LSPB	REG	REFERENCE TO A NATIONAL CODE		REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010012410 COUNTRY OF REF DOCUMENT : DE
EP2456637 B1	20170110	LSRV	REG	REFERENCE TO A NATIONAL CODE		REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2456637 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]		COUNTRY OF REF DOCUMENT : FI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]		COUNTRY OF REF DOCUMENT : LT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]		COUNTRY OF REF DOCUMENT : NO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161214
EP2456637 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]		COUNTRY OF REF DOCUMENT : HR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]		COUNTRY OF REF DOCUMENT : LV NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914

EP2456637 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161215
EP2456637 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161214
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

					TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
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EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170114
EP2456637 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170615	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010012410 COUNTRY OF REF DOCUMENT : DE
EP2456637 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20170720	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2456637 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
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EP2456637 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170724

					YEAR OF FEE PAYMENT : 8
EP2456637 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170731 YEAR OF FEE PAYMENT : 8
EP2456637 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170720 YEAR OF FEE PAYMENT : 8
EP2456637 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170712 YEAR OF FEE PAYMENT : 8
EP2456637 B1	20180228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2456637 B1	20180418	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2456637 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170731
EP2456637 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170731
EP2456637 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170713
EP2456637 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170713
EP2456637 B1	20180723	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2456637 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170731
EP2456637 B1	20180915	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 828558 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) :

					EFFECTIVE DATE : 20170713
EP2456637 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
EP2456637 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180731 YEAR OF FEE PAYMENT : 9
EP2456637 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180723 YEAR OF FEE PAYMENT : 9
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EP2456637 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180725 YEAR OF FEE PAYMENT : 9
EP2456637 B1	20300713	PEXP		Calculated Patent Term Expiry	
TR201613994 T4	20161021	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201613994 T4	20300713	PEXP		Calculated Patent Term Expiry	
WO11009543 A2	20110127	LSPB	+	published / reissued	
WO11009543 A3	20120105	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010734685 COUNTRY OF REF DOCUMENT : EP

Title: MOTOR-SCOOTER WHEEL DRIVE SYSTEM

Abstract: The motor-scooter has a drive wheel (8) mounted off-set to one side from the centre plane of the vehicle and mounted at the outer end of a first axle element (12) fixed on the drive wheel swing bar unit (2). A second back wheel (28) coaxial with the drive wheel is mounted at the outer end of a second axle element (22) fixed on the side of the swing bar unit remote from the drive wheel. A drive connection (14) is provided from the drive elements of the drive wheel swing bar unit to the drive wheel. The first axle element can be an axle tube in which the drive shaft is rotatably mounted whose inner end is coupled to the drive elements of the swing bar unit and whose outer end has devices for fixing the drive wheel.

Classifications:

International (IPC 8-9): B62K5/025 B62K5/04

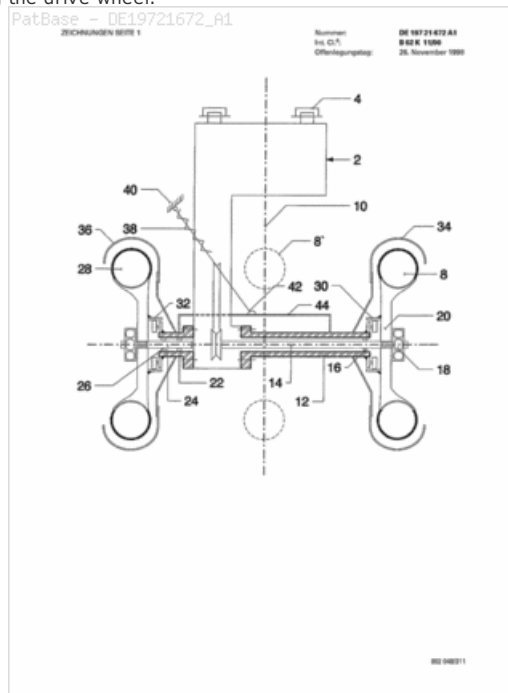
B62M7/12 (Advanced/Invention);

B62K5/00 B62M7/00 (Core/Invention)

International (IPC 1-7): B62K11/00 B62M7/00

CPC: B62K5/025 B62M7/12

European: B62K5/025 B62M7/12



Family:

Publication number	Publication date	Application number	Application date
DE19721672 A1	19981126	DE19971021672	19970523

Priority:

DE19971021672 19970523

Probable Assignee: MERKLE WOLFGANG

Assignee(s): (std): MERKLE WOLFGANG

Assignee(s): MERKLE WOLFGANG 89567 SONTHEIM DE

Inventor(s): (std): MERKLE WOLFGANG

Inventor(s): MERKLE WOLFGANG 89567 SONTHEIM DE

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Patent	Date recorded	Event group	Code	Event	Details
DE19721672 A1	19981126	LSPB	+	published / reissued	
DE19721672 A1	20010329	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : HERENWAL SERVICE, HEERENVEEN, NL
DE19721672 A1	20010719	LSSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE19721672 A1	20031016	LSRV	-8131	REJECTION	

Title: MOBILE SIGN CARRIER

Abstract: A mobile sign carrier that mounts on a vehicle receiver hitch and method of use are provided. The mobile sign carrier has a base, a vertical piece and two cross pieces that fold down to form a cross shape. Four sliding brackets are provided, each having permanently attached a square, flat piece, which sliding brackets are mounted one each on each of the cross pieces and one each on the first end and the second end of the vertical piece. The sliding brackets are positioned and secured by means of a fastener to accommodate signs of different sizes. The mobile sign carrier provides a securing device for use on a vehicle with a tailgate. Safety chains further secure the vertical piece to the trailer hitch. A strobe light and night reflective tape are provided.

Classifications:

International (IPC 8-9): B60R19/00 B60R7/00 B60R9/00 B61F19/00 B61G11/00 G09F15/00 G09F15/02 G09F21/04

G09F7/00 (Advanced/Invention);

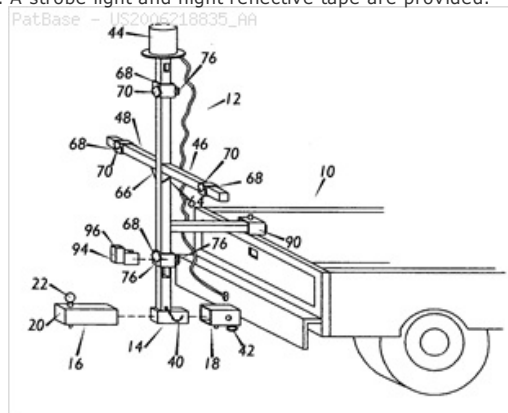
B60R19/00 B60R7/00 B60R9/00 B61F19/00 B61G11/00 G09F15/00

G09F21/00 G09F7/00 (Core/Invention)

CPC: G09F21/04

European: G09F21/04

US: 224/405 224/499 296/3 40/591 40/607.04 40/607.1 40/607.4 40/610 40/611.05



Family:

Publication number	Publication date	Application number	Application date
US2006218835 AA	20061005	US20060392822	20060329
US7503135 BB	20090317	US20060392822	20060329

Priority:

US20050667414P 20050404 US20060392822 20060329

Probable Assignee: CHAFIN WILLIAM ESTILL

Assignee(s): (std): CHAFIN WILLIAM E ; CHAFIN WILLIAM ESTILL

Inventor(s): (std): CHAFIN WILLIAM E ; CHAFIN WILLIAM ESTILL

Inventor(s): CHAFIN WILLIAM

Agent(s): WILLIAM ESTILL CHAFIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2006218835 AA	20061005	LSPB	+	published / reissued	
US7503135 BB	20090317	LSGT	+	granted / extensions (spc, cpc, pte)	
US7503135 BB	20090225	LSGT	PAT1	Patented Case	
US7503135 BB	20121105	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7503135 BB	20170317	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7503135 BB	20170417	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7503135 BB	20170417	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7503135 BB	20170509	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20170317
US7503135 BB	20270418	PEXP		Calculated Patent Term Expiry (PTA 385 days)	

Title: SPEED AND DIRECTION CONTROL FOR VEHICLE

Abstract: A personal mobility vehicle is steered by handlebars. A lever is mounted on the handlebars and rotatable in either of two opposite directions by the hands holding the handlebars. A potentiometer connected to the lever comprises a wiper on a resistive track, centered by a spring. The track has a central null area formed by material of lower resistance, so that the output voltage is constant. When the lever is moved away from the centered position, the wiper moves along the track and the output voltage rises or falls. A controller controls the speed and direction of the vehicle in response to the output voltage of the potentiometer. When the wiper is on the null area, the controller stops the vehicle. The size of the null area facilitates ensuring the centered position coincides with the null area, so the vehicle stops when the lever is released.

Classifications:

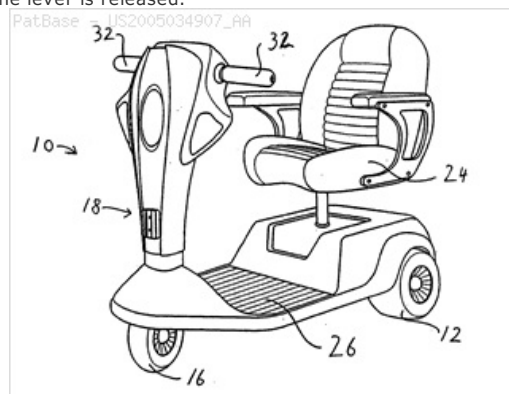
International (IPC 8-9): B60K1/00 (Advanced/Invention);
B60K1/00 (Core/Invention)

International (IPC 1-7): B60K1/00

CPC: Y02T10/7275 B60L15/20 Y02T10/645 Y02T10/72

European: B60L15/20

US: 180/65.8



Family:

Publication number	Publication date	Application number	Application date
US2005034907 AA	20050217	US20030641957	20030815

Priority:

US20030641957 20030815

Probable Assignee: PRIDE MOBILITY PRODUCTS CORP

Assignee(s): GOODELL MARK A ; LEITNER GEORGE L ; PEREGRIM WALTER ANDREW ; PRIDE MOBILITY PRODUCTS CORP

Inventor(s): (std): PEREGRIM WALTER ANDREW ; GOODELL MARK A ; LEITNER GEORGE L

Inventor(s): LEITNER GEORGE ; GOODELL MARK ; PEREGRIM WALTER ; LEITNER JR GEORGE L

Agent(s): THOMAS J DURLING DRINKER BIDDLE AND REATH LLP

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Patent	Date recorded	Event group	Code	Event	Details
US2005034907 AA	20050217	LSPB	+	published / reissued	
US2005034907 AA	20060809	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005034907 AA	20060809	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

Title: **Three-wheeled scooter** folding (electric) (Machine translation)

Abstract: Source: CN304297737S **Machine translation:** 1. The design product name: **Three-wheeled scooter** (folding electric). 2. The product design uses: This design product for travel and entertainment sports. 3. The design product design points are: The product shape. 4. The best indicator of the design elements of the picture or photo: Perspective view. 5. omitted view: Bottom view is not common, omitted bottom view. 6. The product design can be folded.

Classifications:

Locarno class: 21/02



Family:

Publication number	Publication date	Application number	Application date
CN304297737 S	20170926	CN201730099494F	20170330

Priority:

CN201730099494F 20170330

Probable Assignee: ZHEJIANG HENGFENG SPORTS EQUIPMENT

Assignee(s): ZHEJIANG HENGFENG SPORTS EQUIPMENT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304297737 S	20170926	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304297737 S	20270330	PEXP		Calculated Patent Term Expiry	

Title: **Three-wheeled scooter**-type vehicle

Abstract: A **three-wheeled scooter** type of vehicle which is forwardly propelled by the body movement of the occupant by means of two rearwardly extending foot support frames which are pivotally connected to a front steering column. The foot support frames are provided with caster wheels which are yieldably tensioned to propel the vehicle in a direction of forward travel when the foot support frames are laterally moved.

Classifications:

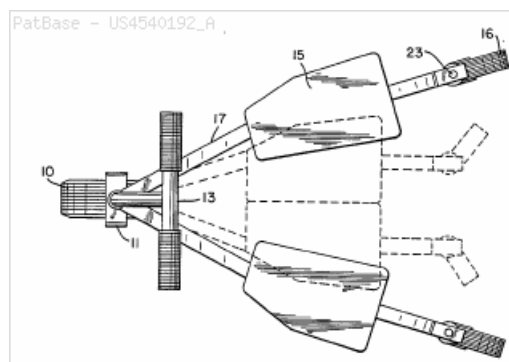
International (IPC 8-9): B62K3/00 (Advanced/Invention);
B62K3/00 (Core/Invention)

International (IPC 1-7): B62K17/00

CPC: B62K3/002

European: B62K3/00B

US: 280/220 280/282 280/87.041 280/87.04R



Family:

Publication number	Publication date	Application number	Application date
US4540192 A	19850910	US19830565903	19831227

Priority:

US19830565903 19831227

Probable Assignee: YU KENNETH KWON CHUL

Assignee(s): (std): SHELTON L HARVEY

Assignee(s): YU KENNETH KWON CHUL ; YU KENNETH KWON CHUL LOS ANGELES CA

Inventor(s): (std): SHELTON L HARVEY

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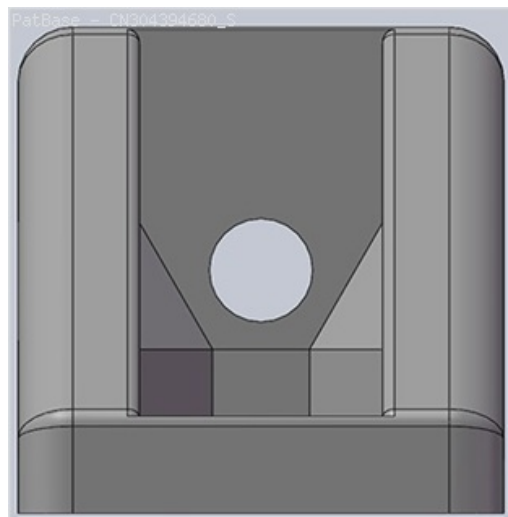
Patent	Date recorded	Event group	Code	Event	Details
US4540192 A	19850910	LSGT	+	granted / extensions (spc, cpc, pte)	
US4540192 A	19850710	LSGT	PAT1	Patented Case	
US4540192 A	19871030	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : YU, KENNETH KWON CHUL,CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SHELTON LEONARD HARVEY; REEL/FRAME:004771/0136 EFFECTIVE DATE : 19871019
US4540192 A	19871030	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : YU, KENNETH KWON CHUL, LOS ANGELES, CA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SHELTON LEONARD HARVEY; REEL/FRAME:004771/0136 EFFECTIVE DATE : 19871019
US4540192 A	19890127	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4540192 A	19930225	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4540192 A	19970907	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4540192 A	19971118	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19970910
US4540192 A	20180123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4540192 A	20180123	LSLE	-STCH	INFORMATION ON STATUS: PATENT	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES

Title: Automotive Assembly (Machine translation)

Abstract: Source: CN304394680S **Machine translation:** 1. The design product name: Vehicle assembly. 2. The product design uses: This product design for a modular way to assemble into a variety of forms, including, but not limited to two-wheeled scooter car, two-wheeled vehicle balance, three-wheeled car balance, **three-wheeled scooter**, two bicycles and various forms of three-wheeled bicycle. 3. The design product design points are: Each component of the product shape. 4. The best indicator of the design elements of the picture or photo: Use state with reference to Fig. 5. 5. omitted view: Assembly 25 left view, right view, a plan view of the assembly 25 assembly 25 and assembly 25 bottom view no design elements, is omitted assembly 25 left view, right view, a plan view of the assembly 25 assembly 25 and assembly 25 bottom view; Assembly 26 left view, right view, a plan view of the assembly 26 of assembly 26 and assembly 26 bottom view no design elements, is omitted assembly 26 left view, right view, a plan view of the assembly 26 assembly 26 and assembly 26 is a bottom view.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN304394680 S	20171208	CN201730162213F	20170505

Priority:

CN201730162213F 20170505

Probable Assignee: FENG WUXI LOK TECHNOLOGY CO LTD

Assignee(s): FENG WUXI LOK TECHNOLOGY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304394680 S	20171208	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304394680 S	20270505	PEXP		Calculated Patent Term Expiry	

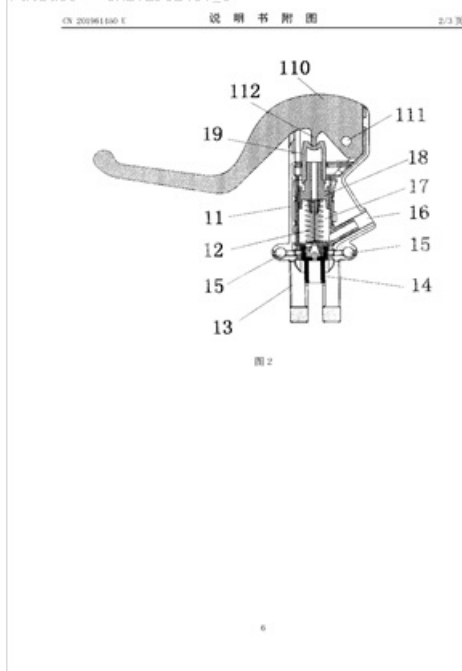
Title: Water spraying **three-wheeled scooter**

Abstract: The utility model relates to a water spraying **three-wheeled scooter**. A pump is arranged on a hand lever of a handlebar; the upper part of a body of the pump is provided with an upper opening position cylinder and a movable hand press grip; the hand press grip is mounted on the upper part of the pump body through a backing pin; a lower convex handle at the right side of the hand press grip is correspondingly connected with the top end of a piston in the position cylinder in a pressing way; the lower end of the piston is connected with a return spring; a lower through hole of the piston cylinder is externally connected with an inlet joint; a single-way inlet valve ball is arranged between the inlet joint and the lower through hole of the piston cylinder; the inlet joint is externally connected with a water tank through a water tube; an outlet joint at one side of the piston cylinder is externally connected with a nozzle through a water tube; the nozzle consists of a nozzle body, a single-way outlet valve ball and a spring; and the lower part of the body is provided with an annular joint matched with the hand lever of the handlebar. The water spraying **three-wheeled scooter** is convenient to use and has strong reliability.

Classifications:

International (IPC 8-9): B62J99/00 B62K3/00
B62K5/02 (Advanced/Invention)

PatBase - CN201961450_U



Family:

Publication number	Publication date	Application number	Application date
CN201961450 U	20110907	CN201120006459U	20110107

Priority:

CN201120006459U 20110107

Probable Assignee: ZHEJIANG JINBANG SPORTS EQUIPMENT CO LTD

Assignee(s): (std): ZHEJIANG JINBANG SPORTS EQUIPMENT CO LTD

Assignee(s): ZHEJIANG JINBANG SPORTS EQUIPMENT CO

Inventor(s): (std): YONGQIANG XU

Inventor(s): XU YONGQIANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN201961450 U	20110907	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201961450 U	20110907	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201961450 U	20210107	PEXP		Calculated Patent Term Expiry	

Title: A FOLDING TRIWHEEL SCOOTER

Abstract: Source: KR200196572Y **Machine translation:** The present invention relates to a collapsible **three-wheeled scooter**, the board plate 10 in conjunction with the handle shaft 30, a front of the front wheel 12 is installed, the rear fixed shaft 16 via a pair of rear wheels 14 is installed on the rear wheel of the pedal 18 (14), to drive the **three-wheeled scooter** (17, 18), the pedal positioned in front one side stepping on the pedal 18 and the accelerator pedal 18 connected to a gear wheel 22 is rotated, and the fixed shaft 16 connected to the rear wheel 14 of the chain 24 is rotated in the direction of the rear wheel 14 is moving forward, and then release the pedal 18 returns to its original position by the elastic spring 28, on the other hand, the board plate 10 and the handle shaft 30 between the supporting member 34 is connected to the hinge 36 and the fixing member 38 to the base through the block support member 34 by a fixed or stationary folding handle shaft 30, a structure in which a depression of the pedal 152 to move through a series of processes, and scooter because it can be folded after use conveniently by reducing the volume will be stored. Scooter

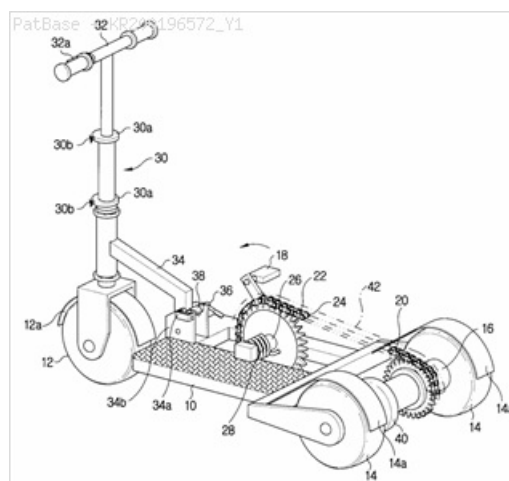
Classifications:

International (IPC 8-9): B62K5/02 (Advanced/Invention);

B62K5/02 (Advanced/Non-invention);

B62K5/00 (Core/Invention)

International (IPC 1-7): B62K5/02



Family:

Publication number	Publication date	Application number	Application date
KR200196572 Y1	20000915	KR20000012207U	20000428

Priority:

KR20000012207U 20000428

Probable Assignee:

JUN IL

Assignee(s): (std):

JUN IL

Inventor(s): (std):

JUN IL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR200196572 Y1	20000915	LSGT	+	granted / extensions (spc, cpc, pte)	
KR200196572 Y1	20010710	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20010711 YEAR OF FEE PAYMENT : 3
KR200196572 Y1	20030707	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR200196572 Y1	20100428	PEXP		Calculated Patent Term Expiry	

Title: POWERED MOBILITY CHAIR FOR INDIVIDUAL

Abstract: The power chair of the present invention is a vehicle which is highly maneuverable and has a high degree of usable power. It provides maximum weight distribution to the pair of driving wheels of the vehicle unit. It greatly enhances the stability and provides an overall operating envelope of greatly reduced size, allowing the use of the vehicle in confined areas. The vehicle has a pair of drive wheels rotatably about a common axis which is transverse to the forward direction of the travel of the vehicle, the drive wheels being powered by respective drive motors. The center of mass of the vehicle and passenger is substantially in the vertical plane of the axis of the drive wheels. This arrangement increases the amount of weight for traction. The alignment of the mass with the axis of the driving wheels maximizes the resistance of the vehicle to steering deviations caused by centrifugal force. Stability fore and aft is provided by castering wheels placed in front of and behind the driving wheels. The rear wheel caster is preferably attached to a vertical pivoting swing arm. The movement of this arm is controlled by a spring and shock absorber assembly. However, the rear caster may be mounted with a rigid arm. Generally, at least one of the supporting arms must be spring biased to insure that substantially all wheels of vehicle remain on the ground, and also for shock absorbing purposes.

Classifications:

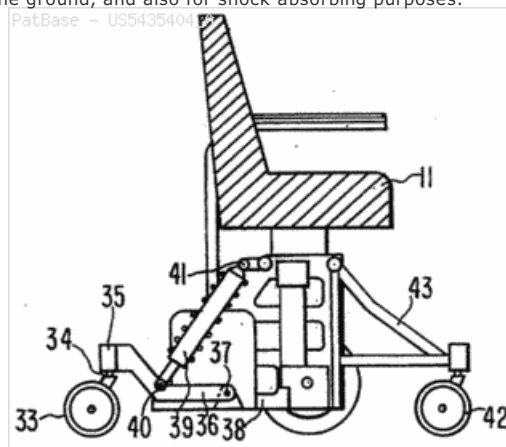
International (IPC 8-9): A61G5/04 A61G5/10 (Advanced/Invention); A61G5/06 (Advanced/Non-invention)

International (IPC 1-7): B62D11/04

CPC: Y10S180/907 A61G5/1059 A61G5/043 A61G5/045 A61G5/06 A61G2203/14 B62B2301/08 A61G5/1051 A61G5/1078

European: A61G5/04A4 A61G5/04A6 A61G5/10S2 K61G203/14 K61G5/06 K61G5/10G K61G5/10Z1 L62B301/08

US: 180/6.5 180/65.1 180/907

**Family:**

Publication number	Publication date	Application number	Application date
US5435404 A	19950725	US19940284726	19940802

Priority:

US19920923732 19920731 US19940284726 19940802

Probable Assignee: INVACARE CORP

Assignee(s): GARIN III PAUL V ; INVACARE CORP ; NATIONAL CITY BANK AS MULTICURRENCY COLLATERAL AGE ; NATIONAL CITY BANK MULTICURRENCY COLLATERAL AGENT ; NATIONAL CITY BANK MULTICURRENCY COLLATERAL AGENT AS ; VECTOR MOBILITY INC ; THELMA F GARIN TRUST ; PNC BANK NATIONAL ASSOCIATION

Inventor(s): (std): GARIN III PAUL V

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5435404 A	19950725	LSGT	+	granted / extensions (spc, cpc, pte)	
US5435404 A	19950714	LSGT	PAT1	Patented Case	
US5435404 A	19950714	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5435404 A	19970402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THELMA F. GARIN TRUST, CALIFORNIA OLDPARTY : SECURITY INTEREST; ASSIGNOR:VECTOR MOBILITY, INC.; REEL/FRAME:008442/0203 EFFECTIVE DATE : 19951012
US5435404 A	19971014	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THELMA F. GARIN TRUST, CALIFORNIA OLDPARTY : AGREEMENT FOR POSSESSION OF COLLATERAL; ASSIGNOR:VECTOR MOBILITY, INC.; REEL/FRAME:008792/0143 EFFECTIVE DATE : 19970922
US5435404 A	19981215	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US5435404 A	20021213	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5435404 A	20070125	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5435404 A	20070212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INVACARE CORPORATION, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:THELMA F. GARIN TRUST; REEL/FRAME:018875/0507 EFFECTIVE DATE : 19991116
US5435404 A	20070314	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL CITY BANK, AS MULTICURRENCY COLLATERAL AG OLDPARTY : NOTICE OF GRANT OF SECURITY INTEREST; ASSIGNOR:INVACARE CORPORATION; REEL/FRAME:019009/0134 EFFECTIVE DATE : 20070212
US5435404 A	20101212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PNC BANK, NATIONAL ASSOCIATION, PENNSYLVANIA OLDPARTY : SECURITY AGREEMENT; ASSIGNORS:INVACARE CORPORATION; ADAPTIVE SWITCH LABORATORIES, INC.; THE AFTERMARKET GROUP, INC.; AND OTHERS; REEL/FRAME:025473/0311 EFFECTIVE DATE : 20101028
US5435404 A	20140802	PEXP		Calculated Patent Term Expiry	

Title: DUAL FOOTBOARD OFF-ROAD SCOOTER

Abstract: A dual-footboard scooter in a tricycle format for off-road use on unpaved surfaces, the scooter having a front wheel of large diameter coupled to a steering post passing through a steering column to join a steering handle. A bifurcated frame extending rearwardly from the steering column forms two branches on which are supported parallel footboards and small diameter rear wheels. The front and rear wheels are provided with deep-tread tires affording good traction on unpaved surfaces. In operating the scooter, the rider grasps the steering handle, with one foot then resting on either footboard and the other foot extending through the free space between the footboards and swinging to make pushing contact with the ground to propel the scooter.

Classifications:

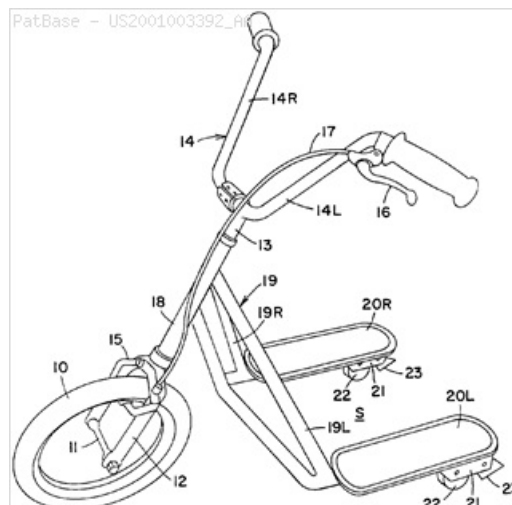
International (IPC 8-9): A63C17/01 B62B11/00 B62K17/00 B62K3/00 B62K5/02 B62K5/04 B62M29/00 (Advanced/Invention); B62K3/00 (Core/Invention)

International (IPC 1-7): A63C17/01 B62B11/00 B62K17/00 B62K5/04 B62M1/00 B62M29/00

CPC: B62K3/002

European: B62K3/00B

US: 280/87.021 280/87.021S 280/87.041 280/87.041P

**Family:**

Publication number	Publication date	Application number	Application date
CA2241522 AA	19991224	CA19982241522	19980624
US2001003392 AA	20010614	US19980075746	19980511
US2002070519 AA	20020613	US20020067114	20020204
US5785331 A	19980728	US19960593437	19960129
US6378879 BB	20020430	US19980075746	19980511
US6739606 BB	20040525	US20020067114	20020204

Priority:

US19960593437 19960129 US19980075746 19980511 CA19982241522 19980624
US20020067114 20020204

Probable Assignee: MARKY SPARKY INC DBA CALIFORNIA CHARIOT

Assignee(s): (std): MARK RAPPAPORT ; MARKY SPARKY INC ; RAPPAPORT MARK

Assignee(s): MARKY SPARKY INC ABA CALIFORNIA CHARIOT ; MARKY SPARKY INC DBA CALIFORNIA CHARIOT

Inventor(s): (std): RAPPAPORT MARK

Agent(s): SMART AND BIGGAR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2241522 AA	19991224	LSPB	+	published / reissued	
CA2241522 AA	20010328	LSES	+EEER	EXAMINATION REQUEST	
CA2241522 AA	20050627	LSLE	-FZDE	DEAD	
US2001003392 AA	20010614	LSPB	+	published / reissued	
US2002070519 AA	20020613	LSPB	+	published / reissued	
US2002070519 AA	20031208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MARKY SPARKY, INC., DBA CALIFORNIA CHARIOT, CALIFO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAPPAPORT, MARK; REEL/FRAME:014771/0562 EFFECTIVE DATE : 20031120
US2002070519 AA	20040506	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US5785331 A	19980728	LSGT	+	granted / extensions (spc, cpc, pte)	
US5785331 A	20000208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MARKY SPARKY, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAPPAPORT, MARK; REEL/FRAME:010415/0022 EFFECTIVE DATE : 20000203
US5785331 A	20000208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MARKY SPARKY, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAPPAPORT, MARK; REEL/FRAME:010415/0013 EFFECTIVE DATE : 20000203
US5785331 A	20010604	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MARKY SPARKY, INC. D/B/A CALIFORNIA CHARIOT COMPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAPPAPORT, MARK; REEL/FRAME:011855/0560 EFFECTIVE DATE : 20010521
US5785331 A	20020111	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5785331 A	20060728	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5785331 A	20060830	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5785331 A	20060830	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5785331 A	20060926	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060728
US5785331 A	20160129	PEXP		Calculated Patent Term Expiry	
US6378879 BB	20020430	LSGT	+	granted / extensions (spc, cpc, pte)	
US6378879 BB	20031208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MARKY SPARKY, INC., ABA CALIFORNIA CHARIOT, CALIFO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAPPAPORT, MARK; REEL/FRAME:014754/0440 EFFECTIVE DATE : 20031120
US6378879 BB	20060531	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6378879 BB	20060531	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6378879 BB	20060627	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060430
US6378879 BB	20140430	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6378879 BB	20140617	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20140430
US6378879 BB	20180511	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US6739606 BB	20040525	LSGT	+	granted / extensions (spc, cpc, pte)	

US6739606 BB	20040506	LSGT	PAT1	Patented Case	
US6739606 BB	20070529	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6739606 BB	20110825	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6739606 BB	20151125	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6739606 BB	20220225	PEXP		Calculated Patent Term Expiry (PTA 21 days)	

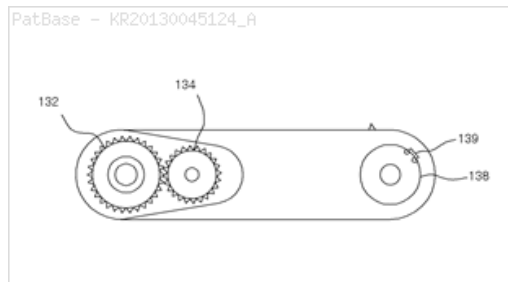
Title: **THREE-WHEELED SCOOTER** CAPABLE OF STABLY CORNERING WITH AN AUTO-LANDING HYDRAULIC SHOCK ABSORBER

Abstract: PURPOSE: A **three-wheeled scooter** is provided to prevent the slip and overturn of a vehicle body during cornering and to drive the scooter regardless of weather conditions. CONSTITUTION: A **three-wheeled scooter** comprises a coaxial cylinder(120), a gear part, a handle shaft, a timing belt(160), and an auto-landing hydraulic shock absorber. The coaxial cylinder is connected to a piston to receive power. The handle shaft is installed in front of the gear part to change the heading angle of a front wheel. Movable balls are installed on the front and rear sides of the timing belt so that the timing belt can transfer the power from the front side to the rear side. The auto-landing hydraulic shock absorber comprises two front shock absorbers installed in the handle shaft; and rear shock absorbers and installed in a pair of rear wheels. The auto-landing hydraulic shock absorber prevents the slip or overturn of a vehicle body during cornering.

Classifications:

International (IPC 8-9): B62K21/08 B62K25/04 B62K5/04
B62M7/02 (Advanced/Invention)

CPC: B62K5/027 B62K21/08 B62K25/04 B62K2202/00 B62M7/02



Family:

Publication number	Publication date	Application number	Application date
KR20130045124 A	20130503	KR20110109607	20111025

Priority:

KR20110109607 20111025

Probable Assignee:

YOO JOUNG HOON

Assignee(s): (std):

YOO JOUNG HOON

Inventor(s): (std):

YOO JOUNG HOON

Legal status (INPADOC)

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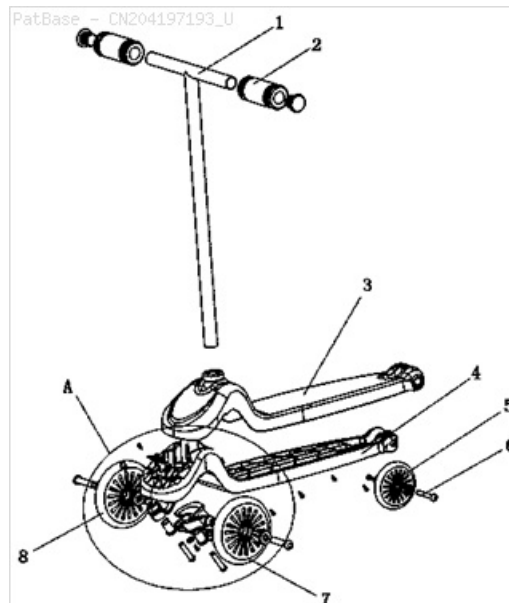
Patent	Date recorded	Event group	Code	Event	Details
KR20130045124 A	20130503	LSPB	+	published / reissued	
KR20130045124 A	20161126	LSDW	-WITN	WITHDRAWAL DUE TO NO REQUEST FOR EXAMINATION	

Title: FRONT-WHEEL STEERING RETURN DEVICE OF SWING TYPE **THREE-WHEELED SCOOTER**

Abstract: A front-wheel steering return device of a swing type **three-wheeled scooter** comprises a steering return device body mounted to the front end of a baseplate. A face plate is clamped to the baseplate, a T-rod is arranged at the front end of the face plate, and a rear wheel is arranged at the rear end of the face plate and is fixed to the rear end of the face plate by matching of a rear wheel shaft, a bearing and screws; the steering return device body comprises a left front wheel, a right front wheel, front wheel fixing blocks, a connecting rod and a three-hole return spring. Compared with the prior art, the front-wheel steering return device has the advantages that through the three-hole return spring and the corresponding mechanisms, the situation that a steering function is realized through a torsional spring in the prior art is changed, and the front-wheel steering return device is simple in structure, low in production cost and flexible in operation.

Classifications:

International (IPC 8-9): B62K21/00 B62K21/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN204197193 U	20150311	CN201420376739U	20140709

Priority:

CN201420376739U 20140709

Probable Assignee:

HU DELU

Assignee(s): (std):

HU DELU

Inventor(s): (std):

HU DELU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN204197193 U	20150311	LSGT	+	granted / extensions (spc, cpc, pte)	
CN204197193 U	20150311	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN204197193 U	20170825	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN204197193 U	20240709	PEXP		Calculated Patent Term Expiry	

Title: Children's **three-wheeled scooter** (Seats can ride) (Machine translation)

Abstract: Source: CN304500070S **Machine translation:** 1. The design product name: **Three-wheeled scooter** (children can sit ride). 2. The product design uses: This design product for children's entertainment. 3. The design product design points are: The appearance of the product shape. 4. The best indicator of the design elements of the picture or photo: 1 perspective.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN304500070 S	20180209	CN201730455217F	20170924

Priority:

CN201730455217F 20170924

Probable Assignee: YONGKANG CITY YU INDUSTRIAL CO LTD

Assignee(s): YONGKANG CITY YU INDUSTRIAL CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304500070 S	20180209	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304500070 S	20270924	PEXP		Calculated Patent Term Expiry	

Title: METHOD FOR CONTROLLING THE INCLINATION OF A TILTING VEHICLE BY ACTING ON A HYDROPNEUMATIC SUSPENSION DEVICE

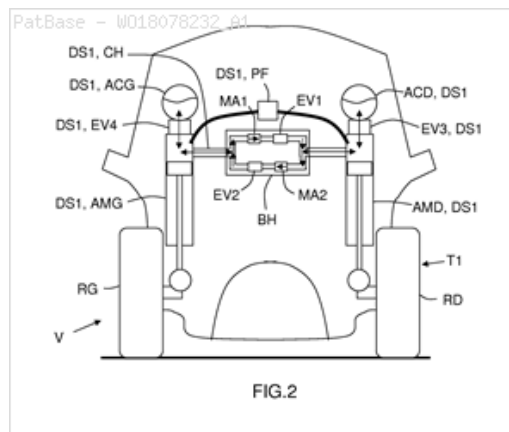
Abstract: A method for controlling the inclination of a tilting motor vehicle (V) having an axle unit (T1) comprising two wheels (RD, RG) and a hydropneumatic suspension device (DS1) comprising two dampers (AMD, AMG) coupled to the wheels. This method comprises a step that involves determining the current speed and inclination of the vehicle (V), then, if the current speed is less than a first threshold, acting on a hydraulic circuit linking the two dampers (AMD, AMG) together, in order that it blocks them in the current states of same, and, if the current speed is greater than the first threshold, determining if the difference between the current inclination and the necessary inclination is greater than a second threshold, and, if so, acting on the hydraulic circuit in order that it prevents the damper located on the current inclination side from reaching a chosen state corresponding to a chosen inclination greater than or equal to the current inclination.

Classifications:

International (IPC 8-9): B60G17/005 B60G17/016 B60G17/018 B60G21/00 B60G21/073 B60G21/10 B62D9/02 B62K5/05

B62K5/10 (Advanced/Invention)

CPC: B60G17/005 B60G17/0162 B60G17/018 B60G21/073 B60G21/106 B60G2202/152 B60G2202/314 B60G2204/4605 B60G2204/82 B60G2204/8304 B60G2300/45 B60G2400/0511 B60G2400/0523 B60G2400/204 B60G2800/012 B60G2800/24 B62K5/10



Family:

Publication number	Publication date	Application number	Application date
FR3058093 A1	20180504	FR20160060502	20161028
FR3058093 B1	20181130	FR20160060502	20161028
WO18078232 A1	20180503	WO2017FR52716	20171003

Priority:

FR20160060502 20161028

Probable Assignee: PEUGEOT CITROEN AUTOMOBILES SA

Assignee(s): (std): PEUGEOT CITROEN AUTOMOBILES SA ; PSA AUTOMOBILES SA

Inventor(s): (std): AUGOYARD FRANCK ; BERTHIAS GILLES ; SCHAEFER GILLES

Inventor(s): GILLES SCHAEFER ; FRANCK AUGOYARD ; GILLES BERTHIAS

Agent(s): PEUGEOT CITROEN AUTOMOBILES SA; ROSENBERG MURIEL

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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR3058093 A1	20180504	LSPB	+	published / reissued	
FR3058093 A1	20170920	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 2
FR3058093 A1	20180504	LSSES	PLSC	SEARCH REPORT READY	EFFECTIVE DATE : 20180504
FR3058093 A1	20180919	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 3
FR3058093 B1	20181130	LSGT	+	granted / extensions (spc, cpc, pte)	
FR3058093 B1	20361028	PEXP		Calculated Patent Term Expiry	
WO18078232 A1	20180503	LSPB	+	published / reissued	
WO18078232 A1	20190430	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: **THREE-WHEEL SCOOTER**

Abstract: In neutral position, the scooter (1) has a longitudinal plane of symmetry and comprises: - a steering column (2) which is generally vertical and mounted for pivoting in relation to a baseplate (11) about a steering axis (A₂) to enable steering of a front wheel (4); - two side rails (3) on which the feet of the user are supported, each side rail comprising a front part which is assembled on the baseplate (11) so as to pivot about an oblique pivoting axis (A₃); - two back wheels (5), each one being assembled on a support (19) in a manner rotating about the axis (A₅) thereof, said support (19) being assembled for pivoting in relation to the rear part of the corresponding side rail (3) about an articulation axis (A₁₉) which is tilted towards the front, in relation to the vertical, at an angle gamma of between 0 degrees and 30 degrees.

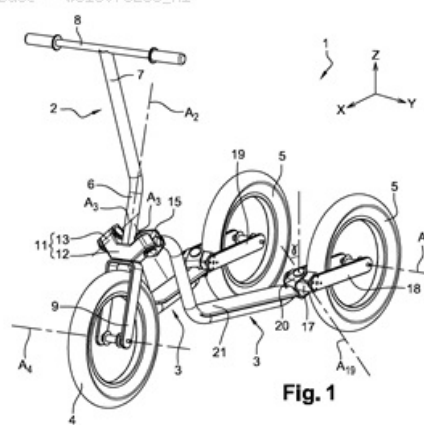
Classifications:

International (IPC 8-9): B62K3/00 B62K5/00 B62K5/02

B62M1/24 (Advanced/Invention)

CPC: B62K5/02 B62K3/002

PatBase - W018078235_A1

**Family:**

Publication number	Publication date	Application number	Application date
FR3058123 A1	20180504	FR20160060440	20161027
FR3058123 B1	20181123	FR20160060440	20161027
WO18078235 A1	20180503	WO2017FR52790	20171011

Priority:

FR20160060440 20161027

Probable Assignee: SWINCAR

Assignee(s): (std): SWINCAR

Inventor(s): (std): RAMBAUD PASCAL

Inventor(s): PASCAL RAMBAUD

Agent(s): CABINET GERMAIN AND MAUREAU

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 DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR3058123 A1	20180504	LSPB	+	published / reissued	
FR3058123 A1	20170907	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 2
FR3058123 A1	20180504	LSSE	PLSC	SEARCH REPORT READY	EFFECTIVE DATE : 20180504
FR3058123 A1	20180913	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 3
FR3058123 B1	20181123	LSGT	+	granted / extensions (spc, cpc, pte)	
FR3058123 B1	20361027	PEXP		Calculated Patent Term Expiry	
WO18078235 A1	20180503	LSPB	+	published / reissued	
WO18078235 A1	20190430	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: SKATING DEVICE

Abstract: The present invention relates to a skating device which comprises two footboard assemblies with ground contact rollers or skids; two rods, wherein each rod comprises a distal end and a proximal end. The distal ends of the rods are mounted to the footboard assemblies, respectively, and the proximal ends of the rods are mountable to a common support means located above the footboard assemblies. Each footboard assembly is allowed to move at least in two degrees of freedom with respect to the support means such that a skating movement of the two footboard assemblies with respect to the support means is possible.

Classifications:

International (IPC 8-9): A63C17/00 B62K3/00

B62M1/00 (Advanced/Invention);

A63C17/00 B62K3/00 (Core/Invention)

CPC: B62K3/002 A63C5/035 A63C5/16 A63C17/0013 A63C17/06

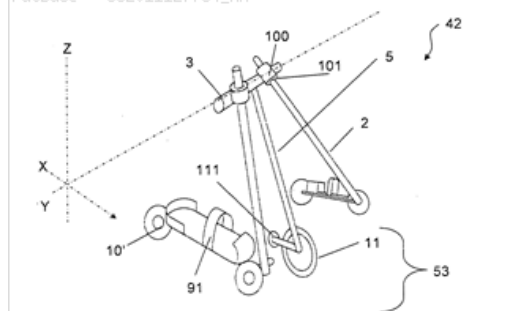
A63C17/262 A63C17/265 A63C2203/10 B62B9/00

European: A63C17/00B4 A63C17/06 A63C17/26H A63C5/16 B62B9/00

B62K3/00B K63C17/26B K63C203/10 K63C5/035

US: 280/11.19 280/11.190P 280/87.01 280/87.041

PatBase - US2011127734_AA



Family:

Publication number	Publication date	Application number	Application date
CN102076553 A	20110525	CN200980125211	20090505
CN102076553 B	20150624	CN200980125211	20090505
DE602009020685 D1	20140206	DE200960020685T	20090505
EP2285654 A1	20110223	EP20090741866	20090505
EP2285654 B1	20131211	EP20090741866	20090505
ES2451343 T3	20140326	ES20090741866T	20090505
US2011127734 AA	20110602	US20090991029	20090505
US8505937 BB	20130813	US20090991029	20090505
WO09135647 A1	20091112	WO2009EP03212	20090505

Priority:

DE200810022195 20080506 EP20090741866 20090505 WO2009EP03212 20090505

Probable Assignee: EPSTEIN ANDREAS DIPL ING

Assignee(s): (std): ANDREAS EPSTEIN ; EPSTEIN ANDREAS

Assignee(s): EPSTEIN ANDREAS DIPL ING

Inventor(s): (std): EPSTEIN ANDREAS ; ANDREAS EPSTEIN

Agent(s): VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; VOSSIUS AND PARTNER; DE ELZABURU ALBERTO; WESTMAN CHAMPLIN AND KELLY PA; STELLBRINK AXEL ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN102076553 A	20110525	LSPB	+	published / reissued	
CN102076553 A	20110525	LSPB	+C06	PUBLICATION	
CN102076553 B	20150624	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102076553 B	20150624	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102076553 B	20190419	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN102076553 B	20290505	PEXP		Calculated Patent Term Expiry	
DE602009020685 D1	20181201	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	

EP2285654 A1	20110223	LSPB	+	published / reissued	
EP2285654 A1	20110223	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20101202
EP2285654 A1	20110427	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20110329
EP2285654 A1	20130717	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20130620
EP2285654 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 8
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EP2285654 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160629 YEAR OF FEE PAYMENT : 8
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EP2285654 B1	20131211	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2285654 B1	20131213	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2285654 B1	20140115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 644391 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140115
EP2285654 B1	20140129	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2285654 B1	20140206	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602009020685 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140206
EP2285654 B1	20140326	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2451343 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20140326
EP2285654 B1	20140402	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20131211
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EP2285654 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-

				TO EPO]	LIMIT LAPSED DATE : 20131211
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EP2285654 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
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EP2285654 B1	20140526	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2285654 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
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EP2285654 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140411
EP2285654 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
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EP2285654 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20140912	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602009020685 COUNTRY OF REF DOCUMENT : DE
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EP2285654 B1	20141231	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
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EP2285654 B1	20150225	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2285654 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140505
EP2285654 B1	20160331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
EP2285654 B1	20160512	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
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EP2285654 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131211
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EP2285654 B1	20170531	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
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EP2285654 B1	20181201	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602009020685 COUNTRY OF REF DOCUMENT : DE
EP2285654 B1	20190130	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20180505
EP2285654 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20181201
EP2285654 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180505
EP2285654 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180531
EP2285654 B1	20290505	PEXP		Calculated Patent Term Expiry	
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ES2451343 T3	20290505	PEXP		Calculated Patent	

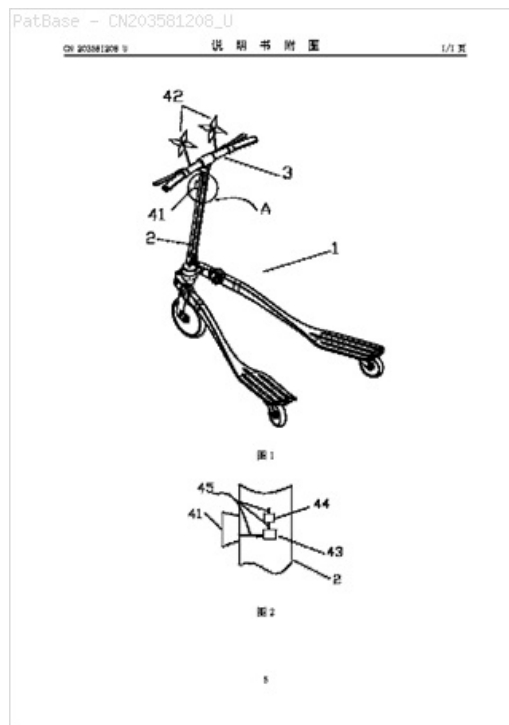
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US8505937 BB	20130813	LSGT	+	granted / extensions (spc, cpc, pte)	
US8505937 BB	20130724	LSGT	PAT1	Patented Case	
US8505937 BB	20150915	LSRE	CC	CERTIFICATE OF CORRECTION	
US8505937 BB	20170210	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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WO09135647 A1	20090505	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200980125211.5 COUNTRY OF REF DOCUMENT : CN
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WO09135647 A1	20110203	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12991029 COUNTRY OF REF DOCUMENT : US

Title: NOVEL **THREE-WHEELED SCOOTER**

Abstract: The utility model relates to a novel **three-wheeled scooter** which solves the problems that a traditional scooter can not be used at night, or in low light environment. The novel **three-wheeled scooter** comprises a scooter body, wherein handle stems, a front pipe and pedals are arranged on the scooter body, the handle stems are fixed at the upper part of the front pipe, a wind power generation lighting device is further arranged on the scooter body, the wind power generation lighting device comprises a windmill, a generator, a storage battery and a lamp, the windmill is connected with the generator through a bearing, the generator is connected with the storage battery through a conducting wire, the storage battery is connected with the lamp through a conducting wire, the windmill is fixed on the handle stems, the generator and the storage battery are fixed inside the front pipe, and the lamp is fixed on the front pipe. After the application of the technology, the scooter can be used in various environments, and the application scope of the scooter is expanded.

Classifications:

International (IPC 8-9): B62J6/02 B62J6/04 B62J6/06
B62K17/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN203581208 U	20140507	CN201320822195U	20131212

Priority:

CN201320822195U 20131212

Probable Assignee: DONGGUAN YAOYAN PLASTIC CO LTD
Assignee(s): (std): DONGGUAN YAOYAN PLASTIC CO LTD
Assignee(s): DONGGUAN YAOYAN PLASTIC CO
Inventor(s): (std): WANG MINLONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN203581208 U	20140507	LSGT	+	granted / extensions (spc, cpc, pte)	
CN203581208 U	20140507	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN203581208 U	20231212	PEXP		Calculated Patent Term Expiry	

Title: WHEELED VEHICLE

Abstract: A vehicle comprising: steering means for operation by a user, -one or more rear ground-engaging wheels; a first front ground-engaging steerable wheel (34) located substantially in the centre at substantially the front of the vehicle; second and third front ground-engaging wheels (36, 37) located either side of the first front ground-engaging wheel (34) with adjustment means for adjusting the steer angle and the height depending on the steer angle of the first front ground-engaging wheel, the adjustment means being configured such that: when the first front ground-engaging wheel (34) has a straight-ahead steer angle, the steer angles of the second and third front ground-engaging wheels (36, 37) are also straight-ahead and all three front ground-engaging wheels are in contact with the ground; and when the steer angle of the first front ground-engaging wheel (34) is turned such that motion of the vehicle would describe a curve, the steer angle of the front ground-engaging wheel on the outside of said curve is turned at least partly towards the steer angle of the first front ground-engaging wheel, the steer angle of the front ground-engaging wheel on the inside of said curve is not substantially turned towards the steer angle of the first front ground-engaging wheel, and the height of the front ground-engaging wheel on the inside of said curve is raised relative to the height of the front ground-engaging wheel on the outside of said curve, the first front ground-engaging wheel and the front ground-engaging wheel on the outside of said curve remaining in contact with the ground.

Classifications:

International (IPC 8-9): A61G5/00 A61G5/04 A61G5/10 B62D6/00 B62D61/12 B62D7/14 B62D9/00 B62K B62K5/003 B62K5/023 B62K5/025 B62K5/08 B62M13/04 (Advanced/Invention); A61G5/00 B62D6/00 B62D61/00 B62D7/14 B62D9/00 B62K5/00 (Core/Invention); B62K (Subclass/Invention)

International (IPC 1-7): B62K5/08

CPC: B62K5/025 A61G5/04 B62D9/00 B62K5/08

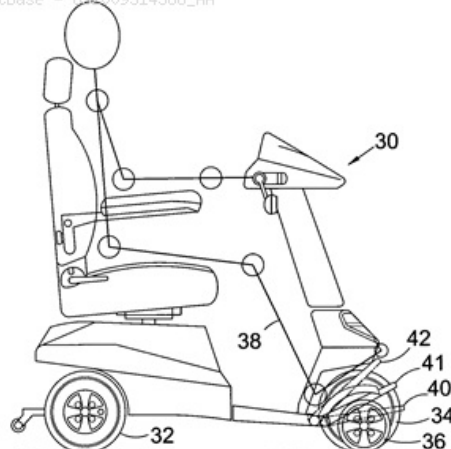
European: A61G5/04 B62D9/00 B62K5/025 B62K5/08

US: 180/209 180/22 280/137.5 280/93.502 280/93.51 701/41 701/41S

JP F-Term: 3D011 3D011/AA03 3D011/AC01 3D011/AD01 3D011/AD03

JP F-Index: B62K5/00/B B62K5/00/C B62K5/007 B62K5/01 B62K5/08

PatBase - US2009314568_AA



Family:

Publication number	Publication date	Application number	Application date
AT472467 E	20100715	AT20070732783T	20070511
AT532694 E	20111115	AT20070169678T	20070511
AU2007279055 AA	20080131	AU20070279055	20070511
AU2007279055 BB	20111110	AU20070279055	20070511
BRPI0714576 A2	20121225	BR2007PI14576	20070511
BRPI0714576 B1	20180206	BR2007PI14576	20070511
CA2657864 AA	20090115	CA20072657864	20070511
CA2657864 C	20140805	CA20072657864	20070511
CN101351378 A	20090121	CN200780001026	20070511
CN101351378 B	20110817	CN200780001026	20070511
DE602007007477 D1	20100812	DE200760007477T	20070511
DE602007018687 D1	20120119	DE200760018687T	20070511
EP2043908 A1	20090408	EP20070732783	20070511
EP2043908 B1	20100630	EP20070732783	20070511
EP2128009 A1	20091202	EP20090169678	20070511
EP2128009 B1	20111109	EP20090169678	20070511
GB200614709 A0	20060906	GB20060014709	20060725
GB2440322 A1	20080130	GB20060014709	20060725
GB2440322 B2	20110706	GB20060014709	20060725
HK1131109 A1	20110225	HK20090109060	20090930
HK1131109 A1	20100115	HK20090109060	20090930
HK1131109 B	20110225	HK20090109060	20090930
HR20090117 A2	20090430	HR20090000117	20090224
HR20090117 B1	20130930	HR20090000117	20090224
IL196664 A0	20091118	IL20090196664	20090122
IL196664 A1	20130228	IL20070196664	20070511
IN00845DN2009 A	20090612	IN2009DN00845	20090204
IN299991 B	20180817	IN2009DN00845	20090204
JP2009544522 T2	20091217	JP20090521324T	20070511
JP5222292 B2	20130626	JP20090521324T	20070511
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KR20090047480 A	20090512	KR20097003477	20090220
MX2009000632 A1	20090724	MX20090000632	20070511
MY144140 A	20110815	MY20090000153	20070511
NO20090638 A	20090423	NO20090000638	20090210
NO20090638 L	20090423	NO20090000638	20090210

NZ574860 A	20110331	NZ20070574860	20070511
TW200806527 A	20080201	TW20070118753	20070525
TWI403432 B	20130801	TW20070118753	20070525
US2009314568 AA	20091224	US20070309559	20070511
US8172014 BB	20120508	US20070309559	20070511
VN9502 A1	20110927	VN20090000377	20070511
WO08012487 A1	20080131	WO2007GB01758	20070511

Priority:

GB20060014709 20060725 EP20070732783 20070511 EP20090169678 20070511
WO2007GB01758 20070511

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Agent(s): FB RICE; FB RICE PTY LTD; RIDOUT AND MAYBEE LLP; PATENTANWAELTE WALLACH KOCH AND PARTNER; MACKENZIE ANDREW BRYAN; CHINAHK INTELLECTUAL PROPERTY SERVICES CO LTD; IP FACTOR; JMB DAVIS BEN DAVID; ITAYA YASUO; STETINA BRUNDA GARRED AND BRUCKER; LTD

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 CY CZ DE DK DM 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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT472467 E	20100715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT472467 E	20101215	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION	REF DOCUMENT NUMBER : 2043908 COUNTRY OF REF DOCUMENT : EP
AT472467 E	20270511	PEXP		Calculated Patent Term Expiry	
AT532694 E	20111115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT532694 E	20120415	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION	REF DOCUMENT NUMBER : 2128009 COUNTRY OF REF DOCUMENT : EP
AT532694 E	20270511	PEXP		Calculated Patent Term Expiry	
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AU2007279055 BB	20111110	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2007279055 BB	20120308	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2007279055 BB	20270511	PEXP		Calculated Patent Term Expiry	
BRPI0714576 A2	20171212	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0714576 A2	20180206	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	
BRPI0714576 B1	20270511	PEXP		Calculated Patent Term Expiry	
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CA2657864 AA	20100526	LSES	+EEER	EXAMINATION REQUEST	
CA2657864 C	20140805	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2657864 C	20270511	PEXP		Calculated Patent Term Expiry	

CN101351378 A	20090121	LSPB	+	published / reissued	
CN101351378 A	20090121	LSPB	+C06	PUBLICATION	
CN101351378 B	20110817	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101351378 B	20110817	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
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EP2043908 A1	20090408	LSPB	+	published / reissued	
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EP2043908 A1	20090708	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20090608
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EP2043908 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100930
EP2043908 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100630
EP2043908 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100630
EP2043908 B1	20131031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20130722 YEAR OF FEE PAYMENT : 7
EP2043908 B1	20131211	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20131201
EP2043908 B1	20140102	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP2043908 B1	20140115	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 472467 COUNTRY OF REF DOCUMENT : T KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130531
EP2043908 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130531
EP2043908 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131203
EP2043908 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				INFORMATION FROM NATIONAL OFFICE TO EPO]	LAPSED DATE : 20130512
EP2043908 B1	20140220	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602007007477 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131203
EP2043908 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130511
EP2043908 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131201
EP2043908 B1	20140307	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140131
EP2043908 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130531
EP2043908 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130511
EP2043908 B1	20140829	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PL REF LEGAL EVENT CODE : LAPE
EP2043908 B1	20150225	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2043908 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140511
EP2043908 B1	20270511	PEXP		Calculated Patent Term Expiry	
EP2128009 A1	20091202	LSPB	+	published / reissued	
EP2128009 A1	20091202	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090908
EP2128009 A1	20100721	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20100624
EP2128009 A1	20160630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160523 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160520

EP2128009 A1	20160831	LSFE	+PGFP	[ANNOUNCED FROM NATIONAL OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 10 COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160509 YEAR OF FEE PAYMENT : 10
EP2128009 A1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170407 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20111109	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2128009 B1	20111115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2128009 B1	20111207	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2128009 B1	20120104	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2128009 B1	20120119	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602007018687 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120119
EP2128009 B1	20120425	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	REF COUNTRY CODE : EP EFFECTIVE DATE : 20111109
EP2128009 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120309
EP2128009 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120309
EP2128009 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : LAPSE

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120210
EP2128009 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120209
EP2128009 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20111109
EP2128009 B1	20121017	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20120810
EP2128009 B1	20121206	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007018687 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120810
EP2128009 B1	20121231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : MC

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120531
EP2128009 B1	20121231	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2128009 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120531
EP2128009 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120531
EP2128009 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120220
EP2128009 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20131031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20130722 YEAR OF FEE PAYMENT : 7
EP2128009 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111109
EP2128009 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120511
EP2128009 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070511
EP2128009 B1	20150225	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2128009 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140511

EPO]					
EP2128009 B1	20160524	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
EP2128009 B1	20170519	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170519 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170511 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170519 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170519 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 11
EP2128009 B1	20180518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20180308 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180515 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180530 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180518 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180523 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20180515 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20180928	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 12
EP2128009 B1	20270511	PEXP		Calculated Patent Term Expiry	
GB2440322 A1	20080130	LSPB	+	published / reissued	
GB2440322 B2	20110706	LSGT	+	granted / extensions (spc, cpc, pte)	

GB2440322 B2	20260725	PEXP		Calculated Patent Term Expiry	
HK1131109 A1	20100115	LSPB	+	published / reissued	
HK1131109 A1	20110225	LSPB	+	published / reissued	
HK1131109 A1	20290930	PEXP		Calculated Patent Term Expiry	
HK1131109 A1	20290930	PEXP		Calculated Patent Term Expiry	
HK1131109 B	20110225	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1131109 B	20290930	PEXP		Calculated Patent Term Expiry	
HR20090117 A2	20090430	LSPB	+	published / reissued	
HR20090117 B1	20130930	LSGT	+	granted / extensions (spc, cpc, pte)	
IL196664 A1	20130228	LSPB	+	published / reissued	
IL196664 A1	20130627	LSGT	+FF	PATENT GRANTED	
IL196664 A1	20131231	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
IL196664 A1	20140130	LSFE	+KB	PATENT RENEWED	
IL196664 A1	20170430	LSFE	+KB	PATENT RENEWED	
IN00845DN2009 A	20090612	LSPB	+	published / reissued	
IN299991 B	20180817	LSGT	+	granted / extensions (spc, cpc, pte)	
IN299991 B	20290204	PEXP		Calculated Patent Term Expiry	
JP2009544522 T2	20091217	LSPB	+	published / reissued	
JP2009544522 T2	20100508	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20100507
JP2009544522 T2	20120704	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120703
JP2009544522 T2	20121004	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20121003
JP2009544522 T2	20130206	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2009544522 T2	20130213	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130212
JP2009544522 T2	20130314	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130308
JP2009544522 T2	20130315	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2009544522 T2	20130315	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP5222292 B2	20130626	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5222292 B2	20130214	LSGT	+A01	特許査定書 Decision of patent grant	
JP5222292 B2	20130312	LSFE	R100	特許料納付書 Patent fee payment form	
JP5222292 B2	20160310	LSFE	R20	特許料納付書 Patent fee payment form	
JP5222292 B2	20160315	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP5222292 B2	20170302	LSFE	R20	特許料納付書 Patent fee payment form	
JP5222292 B2	20170307	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5222292 B2	20180201	LSFE	R20	特許料納付書 Patent fee payment form	
JP5222292 B2	20180206	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5222292 B2	20190307	LSFE	R20	特許料納付書 Patent fee payment form	
JP5222292 B2	20190312	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5222292 B2	20270511	PEXP		Calculated Patent Term Expiry	
KR101512859 B1	20150422	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101512859 B1	20270511	PEXP		Calculated Patent Term Expiry	
KR20090047480 A	20090512	LSPB	+	published / reissued	
KR20090047480 A	20120424	LSSES	A201	REQUEST FOR EXAMINATION	
KR20090047480 A	20131217	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20090047480 A	20140725	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
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KR20090047480 A	20180313	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180314 YEAR OF FEE PAYMENT : 4
MX2009000632 A1	20090724	LSPB	+	published / reissued	
MX2009000632 A1	20120720	LSGT	+FG	GRANT OR REGISTRATION	
MY144140 A	20110815	LSGT	+	granted / extensions (spc, cpc, pte)	
MY144140 A	20270511	PEXP		Calculated Patent Term Expiry	
NO20090638 A	20090423	LSPB	+	published / reissued	
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TW200806527 A	20080201	LSPB	+	published / reissued	

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TWI403432 B	20270525	PEXP		Calculated Patent Term Expiry	
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US2009314568 AA	20120418	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8172014 BB	20120508	LSGT	+	granted / extensions (spc, cpc, pte)	
US8172014 BB	20090218	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCED VEHICLE CONCEPTS LIMITED, UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BROWN, FREDRICK CHARLES; NICHOLLS, GRAHAM REGINALD; REEL/FRAME: 022276/0156 EFFECTIVE DATE : 20090217
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US8172014 BB	20270718	PEXP		Calculated Patent Term Expiry (PTA 68 days)	
VN9502 A1	20110927	LSPB	+	published / reissued	
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WO08012487 A1	20070511	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780001026.6 COUNTRY OF REF DOCUMENT : CN
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WO08012487 A1	20121225	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0714576 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20090122

Title: SIDE MOTION PROPELLED SKATEBOARD DEVICE

Abstract: A skateboard device that achieves forward propulsion from the sideways movement (side-to-side and/or twisting motion) of a user. Various embodiments are disclosed, each including a front and rear wheel assemblies mounted to a board. One or more of the wheel assemblies may have a relatively high axle shaft angle and the axle shaft angles of the two assemblies may be different. The wheel assemblies may have the same orientation or an opposite orientation or be changeable between the two.

Classifications:

International (IPC 8-9): A63C17/01 A63G19/00 B62B3/00 B62B7/04 B62D61/06 B62K17/00 B62K3/00 B62M1/00 B62M1/12

B62M1/24 (Advanced/Invention);

A63C17/00 A63G19/00 B62B7/00 B62D61/00 B62K17/00 B62K3/00 B62M1/00 (Core/Invention)

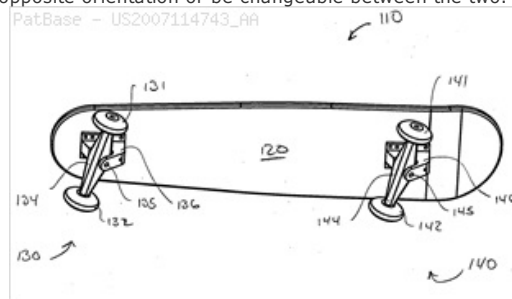
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European: A63C17/00D A63C17/01 A63C17/01B2 A63C17/01H A63C17/01H2 A63C17/12 B62K3/00B K63C203/40

US: 280/1.181 280/218 280/221 280/23.1 280/32.6 280/47.11 280/62 280/87.01 280/87.010P 280/87.021 280/87.03 280/87.041 280/87.042 280/87.042P 280/87.043

JP F-Term: 3D012 3D126 3D212 3D212/BB03 3D212/BB05 3D212/BB10 3D212/BB13 3D212/BB15 3D212/BB26 3D212/BB44 3D212/BB53 3D212/BB62

JP F-Index: B62K17/00 B62M1/04/E



Family:

Publication number	Publication date	Application number	Application date
AU2007358721 AA	20090423	AU20070358721	20070921
CA2664142 AA	20090320	CA20072664142	20070921
CA2664142 C	20180529	CA20072664142	20070921
DE602007034948 D1	20140306	DE200760034948T	20070921
EP2200891 A2	20100630	EP20070838609	20070921
EP2200891 A4	20101020	EP20070838609	20070921
EP2200891 B1	20140122	EP20070838609	20070921
JP2010540306 T2	20101224	JP20100525788T	20070921
JP5323839 B2	20131023	JP20100525788T	20070921
KR101637199 B1	20160720	KR20097008172	20070921
KR20100080745 A	20100712	KR20097008172	20070921
US2007114743 AA	20070524	US20060591192	20061031
US2007170666 AA	20070726	US20060525537	20060921
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US2008029985 AA	20080207	US20070656897	20070122
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US2011227305 AA	20110922	US20110932985	20110309
US7597334 BB	20091006	US20060525538	20060921
US7681895 BB	20100323	US20060525537	20060921
US7926825 BB	20110419	US20100689205	20100118
US8128109 BB	20120306	US20110932985	20110309
WO09041933 A2	20090402	WO2007US20439	20070921
WO09041933 A3	20090911	WO2007US20439	20070921

Priority:

US20050734612P 20051107	US20050734612P 20051107	US20060760638P 20060121
US20060525537 20060921	US20060525538 20060921	US20060591192 20061031
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Probable Assignee: RAZOR USA LLC

Assignee(s): (std): RAZOR USA LLC ; CHEN SHANE

Assignee(s): LASER USA LLC ; RAZOR USA LLC CERRITOS ; SHANE CHEN

Inventor(s): (std): CHEN SHANE ; SHANE CHEN

Inventor(s): SHANE CHEN CAMAS

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BATTISON WILLIAMS DUPUIS; ADE AND CO INC; WUESTHOFF AND WUESTHOFF PATENTANWALTE PARTG MBB; GORMAN FRANCIS FERGUS; STEVEN J ADAMSON PC; STEVEN J; ADAMSON STEVEN J

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent **Date recorded** **Event group** **Code** **Event** **Details**

AU2007358721 AA	20090423	LSPB	+	published / reissued	
AU2007358721 AA	20110728	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE PRIORITY DETAILS TO READ 11/525,537 21 21 SEP 2006 US
AU2007358721 AA	20140821	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
CA2664142 AA	20090320	LSPB	+	published / reissued	
CA2664142 AA	20110303	LSRE	+FZDC	CORRECTION OF DEAD APPLICATION (REINSTATEMENT)	
CA2664142 AA	20120917	LSES	+EEER	EXAMINATION REQUEST	
CA2664142 AA	20160731	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20160603
CA2664142 AA	20170113	LSRE	+FZDC	CORRECTION OF DEAD APPLICATION (REINSTATEMENT)	EFFECTIVE DATE : 20170111
CA2664142 C	20180529	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2664142 C	20270921	PEXP		Calculated Patent Term Expiry	
EP2200891 A2	20100630	LSPB	+	published / reissued	
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EP2200891 A2	20101020	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20100920
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EP2200891 A2	20140131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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EP2200891 A2	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140423
EP2200891 A2	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140122
EP2200891 A2	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140122
EP2200891 A2	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140122
EP2200891 A2	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20070921
EP2200891 A2	20170401	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602007034948 COUNTRY OF REF DOCUMENT : DE
EP2200891 A2	20170524	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160921
EP2200891 A2	20170630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20170531
EP2200891 A2	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160921
EP2200891 A2	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP2200891 A2	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170401
EP2200891 B1	20140122	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2200891 B1	20270921	PEXP		Calculated Patent Term Expiry	
JP2010540306 T2	20101224	LSPB	+	published / reissued	
JP2010540306 T2	20121017	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20121016
JP2010540306 T2	20130417	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130416
JP2010540306 T2	20130417	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20130416
JP2010540306 T2	20130508	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2010540306 T2	20130515	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130514

JP2010540306 T2	20130717	LSRV	-R155	NOTIFICATION BEFORE DISPOSITION OF DECLINING OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: R155
JP2010540306 T2	20130725	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130717
JP2010540306 T2	20130726	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP5323839 B2	20131023	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5323839 B2	20100908	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20100907
JP5323839 B2	20130516	LSGT	+A01	特許査定書 Decision of patent grant	
JP5323839 B2	20130717	LSRV	R155	出願却下処分前通知 Notice before dismissal of application	
JP5323839 B2	20130723	LSFE	R100	特許料納付書 Patent fee payment form	
JP5323839 B2	20160715	LSGT	R154	特許証 (再発行) Patent certificate (reissue)	
JP5323839 B2	20160715	LSGT	+R154	CERTIFICATE OF PATENT OR UTILITY MODEL (REISSUE)	TEXT : JAPANESE INTERMEDIATE CODE: R154
JP5323839 B2	20160721	LSFE	R20	特許料納付書 Patent fee payment form	
JP5323839 B2	20160726	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5323839 B2	20170727	LSFE	R20	特許料納付書 Patent fee payment form	
JP5323839 B2	20170801	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5323839 B2	20180726	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP5323839 B2	20270921	PEXP		Calculated Patent Term Expiry	
KR101637199 B1	20160720	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101637199 B1	20270921	PEXP		Calculated Patent Term Expiry	
KR20100080745 A	20100712	LSPB	+	published / reissued	
KR20100080745 A	20120921	LSES	A201	REQUEST FOR EXAMINATION	
KR20100080745 A	20131220	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20100080745 A	20140912	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20100080745 A	20150606	LSRV	-E90F	NOTIFICATION OF REASON FOR FINAL REFUSAL	
KR20100080745 A	20151001	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20100080745 A	20160701	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
US2007114743 AA	20070524	LSPB	+	published / reissued	
US2007114743 AA	20111021	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007114743 AA	20111021	LSWD	-STCB	INFORMATION ON STATUS:	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

				APPLICATION DISCONTINUATION	
US2007170666 AA	20070726	LSPB	+	published / reissued	
US2007170666 AA	20100303	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2007170686 AA	20070726	LSPB	+	published / reissued	
US2008029985 AA	20080207	LSPB	+	published / reissued	
US2008029985 AA	20110222	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
US2008029985 AA	20110222	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO PAY ISSUE FEE
US2010201093 AA	20100812	LSPB	+	published / reissued	
US2011227305 AA	20110922	LSPB	+	published / reissued	
US7597334 BB	20091006	LSGT	+	granted / extensions (spc, cpc, pte)	
US7597334 BB	20090916	LSGT	PAT1	Patented Case	
US7597334 BB	20130827	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7597334 BB	20171106	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)
US7597334 BB	20171106	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7597334 BB	20171128	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20171006
US7597334 BB	20171225	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20171227
US7597334 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE, PETITION TO ACCEPT PYMT AFTER EXP, UNINTENTIONAL. (ORIGINAL EVENT CODE: M2558); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7597334 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES FILED (ORIGINAL EVENT CODE: PMFP)
US7597334 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES GRANTED (ORIGINAL EVENT CODE: PMFG)
US7597334 BB	20171227	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7597334 BB	20171227	LSGT	PAT1	Patented Case	
US7597334 BB	20171227	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7597334 BB	20270709	PEXP		Calculated Patent Term Expiry (PTA 291 days)	
US7681895 BB	20100323	LSGT	+	granted / extensions (spc, cpc, pte)	
US7681895 BB	20100303	LSGT	PAT1	Patented Case	
US7681895 BB	20130923	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7681895 BB	20171106	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7681895 BB	20171129	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : 7.5 YR SURCHARGE - LATE PMT W/IN 6 MO, SMALL ENTITY (ORIGINAL EVENT CODE: M2555)
US7681895 BB	20171129	LSFE	+MAFP	MAINTENANCE FEE	YEAR OF FEE PAYMENT : 8

PAYMENT						
US7681895 BB	20270801	PEXP		Calculated Patent Term Expiry (PTA 314 days)		
US7926825 BB	20110419	LSGT	+	granted / extensions (spc, cpc, pte)		
US7926825 BB	20141128	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)	
US7926825 BB	20150419	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES		
US7926825 BB	20150518	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362		
US7926825 BB	20150609	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20150419	
US7926825 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES FILED (ORIGINAL EVENT CODE: PMFP)	
US7926825 BB	20180611	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20180614	
US7926825 BB	20180614	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES GRANTED (ORIGINAL EVENT CODE: PMFG)	
US7926825 BB	20180614	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE, PETITION TO ACCEPT PYMT AFTER EXP, UNINTENTIONAL. (ORIGINAL EVENT CODE: M2558); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY	
US7926825 BB	20180614	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US7926825 BB	20180614	LSGT	PAT1	Patented Case		
US7926825 BB	20180614	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE	
US7926825 BB	20181210	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY	
US7926825 BB	20190527	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY	
US7926825 BB	20190527	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362		
US7926825 BB	20300118	PEXP		Calculated Patent Term Expiry		
US8128109 BB	20120306	LSGT	+	granted / extensions (spc, cpc, pte)		
US8128109 BB	20120215	LSGT	PAT1	Patented Case		
US8128109 BB	20160306	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES		
US8128109 BB	20160404	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362		
US8128109 BB	20160426	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160306	
US8128109 BB	20171225	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE	EFFECTIVE DATE : 20171227	

FEE					
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US8128109 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE, PETITION TO ACCEPT PYMT AFTER EXP, UNINTENTIONAL. (ORIGINAL EVENT CODE: M2558); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US8128109 BB	20171227	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES GRANTED (ORIGINAL EVENT CODE: PMFG)
US8128109 BB	20171227	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8128109 BB	20171227	LSGT	PAT1	Patented Case	TEXT : PATENTED CASE
US8128109 BB	20171227	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	
US8128109 BB	20310309	PEXP		Calculated Patent Term Expiry	
WO09041933 A2	20090402	LSPB	+	published / reissued	
WO09041933 A2	20090320	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2664142 COUNTRY OF REF DOCUMENT : CA
WO09041933 A2	20090320	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007358721 COUNTRY OF REF DOCUMENT : AU
WO09041933 A2	20090323	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010525788 COUNTRY OF REF DOCUMENT : JP
WO09041933 A2	20090421	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007838609 COUNTRY OF REF DOCUMENT : EP
WO09041933 A2	20090421	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020097008172 COUNTRY OF REF DOCUMENT : KR
WO09041933 A2	20090421	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020097008166 COUNTRY OF REF DOCUMENT : KR
WO09041933 A3	20100323	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

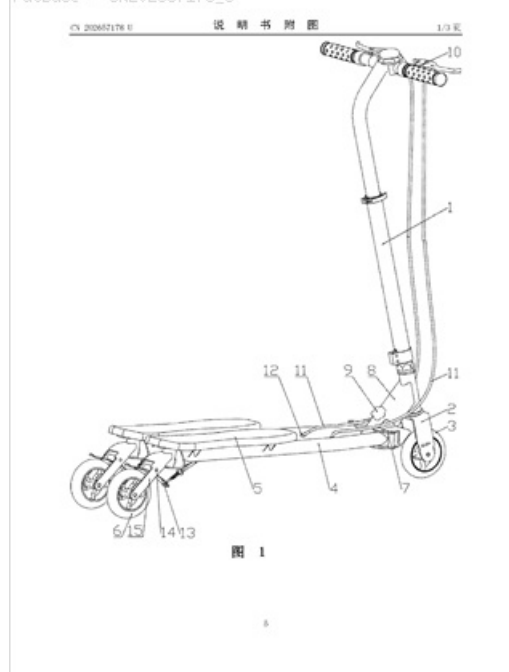
Title: **Three-wheeled scooter**

Abstract: The utility model discloses a **three-wheeled scooter**, wherein a front fork is installed on the lower portion of a handle bar stem, a front wheel is located on the front fork, footboards and rear wheels are installed on the rear end of a connecting rod, the footboards are hinged on a folding frame through the connecting rod, one end of a folding rod is connected with the front fork, the other end of the folding rod is hinged with the folding frame, a folding rod installation part is installed on the folding frame, a locking screw is installed on the folding rod, and the folding rod installation part is provided with a screw hole corresponding with the screw. The scooter is provided with a braking device. The **three-wheeled scooter** is characterized in that the braking device comprises a brake crank, wherein braking lines are connected with the brake crank, the front end and the rear end of the connecting rod are respectively provided with openings used for the braking lines passing in and out, the rear end of the braking lines are connected with brake blocks which are fixed on rear wheels frames through spindles, and the brake blocks can turn along the spindles. Because the front end and the rear end of the connecting rod are respectively provided with openings used for the braking lines passing in and out, part of the braking lines are enabled to be hidden in the connecting rod, and thus the effect on the braking lines during the use process can be reduced. Brake blocks are fixed on rear wheels frames through the spindles, and the brake blocks can turn along the spindles. Therefore when braking is needed, the braking lines can be pulled to enable the brake blocks to turn along the spindles and thus braking can be achieved.

Classifications:

International (IPC 8-9): B62K15/00 B62L1/04 (Advanced/Invention)

PatBase - CN202657178_U



Family:

Publication number	Publication date	Application number	Application date
CN202657178 U	20130109	CN201220303903U	20120627

Priority:

CN201220303903U 20120627

Probable Assignee:

HU KANGDA

Assignee(s): (std):

HU KANGDA

Inventor(s): (std):

HU KANGDA

Legal status (INPADOC)

[View legal status timeline](#)

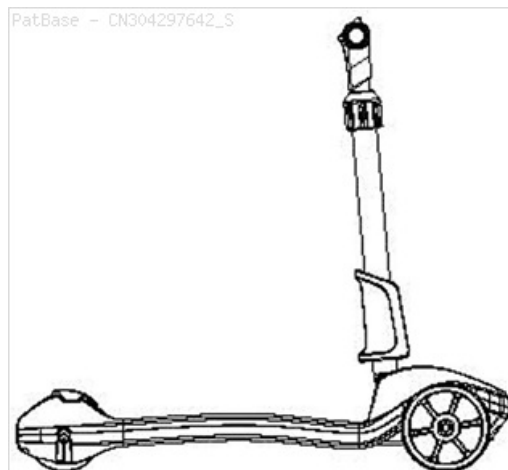
Patent	Date recorded	Event group	Code	Event	Details
CN202657178 U	20130109	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202657178 U	20130109	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202657178 U	20180720	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN202657178 U	20220627	PEXP		Calculated Patent Term Expiry	

Title: **Three-wheeled scooter** folding (non-electric) (Machine translation)

Abstract: Source: CN304297642S **Machine translation:** 1. The design product name: **Three-wheeled scooter** folding (non-electric). 2. The product design uses: This design product for travel and entertainment sports. 3. The design product design points are: The product shape. 4. The best indicator of the design elements of the picture or photo: Perspective view. 5. The product design can be folded.

Classifications:

Locarno class: 21/01



Family:

Publication number	Publication date	Application number	Application date
CN304297642 S	20170926	CN201730099492F	20170330

Priority:

CN201730099492F 20170330

Probable Assignee: ZHEJIANG HENGFENG SPORTS EQUIPMENT

Assignee(s): ZHEJIANG HENGFENG SPORTS EQUIPMENT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN304297642 S	20170926	LSGT	+	granted / extensions (spc, cpc, pte)	
CN304297642 S	20270330	PEXP		Calculated Patent Term Expiry	

Title: A SKI SCOOTER

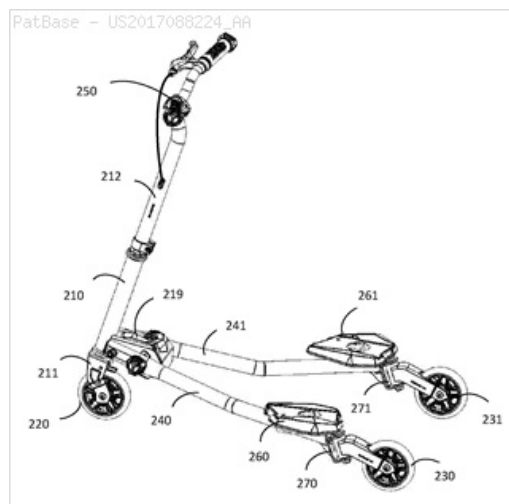
Abstract: The present invention relates to a scooter having revolving footboards comprising: a head tube; a stem rotatably held in said head tube; a fork connected to the lower end of said stem; at least one front wheel rotatably connected to said fork of said stem; a handle connected to the upper end of said stem; two rear tubes connected to said head tube; two swivel rear wheels, where each of said swivel wheels is pivotally connected to the rear of one of said rear tubes; and at least two revolving footboards which are rotatably connected on said rear tubes.

Classifications:

International (IPC 8-9): B62K19/18 B62K21/12 B62K23/06 B62K3/00 B62K5/02 B62K5/06 B62K5/10 B62M1/00 (Advanced/Invention); B62K19/20 B62K19/24 (Advanced/Non-invention)

CPC: B62K5/10 B62K21/12 B62K5/06 B62K5/02 B62M1/00 B62K23/06 B62K19/18 B62K19/20 B60Y2410/124 B62K3/002 B62K19/24

US: 280/221



Family:

Publication number	Publication date	Application number	Application date
US2017088224 AA	20170330	US20150312121	20150707
US9873475 BB	20180123	US20150312121	20150707
WO16005907 A1	20160114	WO2015IB55138	20150707

Priority:

US20140022731P 20140710 US20150312121 20150707 WO2015IB55138 20150707

Probable Assignee: SMART TRIKE MNF PTE LTD

Assignee(s): (std): BARON YORAM ; SMART TRIKE MINF PTE LTD ; SMART TRIKE MNF PTE LTD

Inventor(s): (std): RUBINCHIK ALEXEY ; BARON YORAM ; NACHMANY GIL

Agent(s): ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; WELLER HAYIM

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017088224 AA	20170330	LSPB	+	published / reissued	
US2017088224 AA	20170515	LSES	NFA1	Non Final Action Mailed	
US2017088224 AA	20170803	LSES	NFA1	Non Final Action Mailed	
US2017088224 AA	20170928	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017088224 AA	20171214	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2017088224 AA	20171215	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017088224 AA	20180103	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US9873475 BB	20180123	LSGT	+	granted / extensions (spc, cpc, pte)	
US9873475 BB	20161117	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART TRIKE MNF PTE LTD., SINGAPORE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BARON, YORAM; NACHMANY, GIL; RUBINCHIK, ALEXEY; REEL/FRAME:040362/0972 EFFECTIVE DATE : 20140623
US9873475 BB	20180103	LSGT	PAT1	Patented Case	
US9873475 BB	20350707	PEXP		Calculated Patent Term Expiry	
WO16005907 A1	20160114	LSPB	+	published / reissued	
WO16005907 A1	20161117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15312121 COUNTRY OF REF DOCUMENT : US
WO16005907 A1	20170110	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16005907 A1	20171227	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15750118 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: Pedal type **three-wheeled scooter**

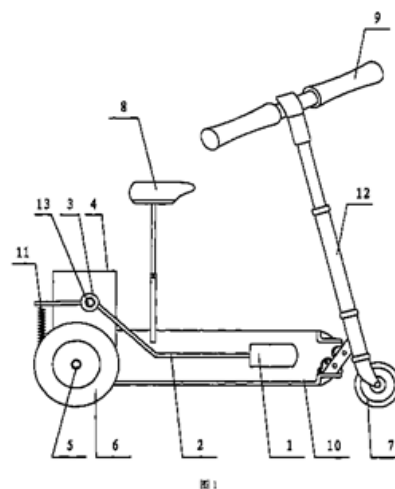
Abstract: The utility model discloses a pedal type **three-wheeled scooter** which comprises a vehicle body (10), a vehicle handle (9), a front fork vertical pipe (12), a seat cushion (8), front wheels (7) and rear wheels (6), wherein a gear variable-speed box (4) is arranged on the rear portion of the vehicle body (10), the rear wheels (6) are respectively installed on two ends of an output shaft (5) of the gear variable-speed box (4), one end of an input shaft (13) of the gear variable-speed box (4) is provided with an input one-way device (3), a connecting rod (2) is fixed on the input one-way device (3), a pedal (1) is fixed on the front end of the connecting rod (2), and a reset spring (11) is connected between the rear end of the connecting rod (2) and the vehicle body (10). After the structure is adopted, the potential safety hazard of the scooter and the defect that the scooter can not be used as a loaner car are solved, and the pedal type **three-wheeled scooter** has the advantages of simple and rational structure, flexible and light use, excellent stability, safety and reliability, and is suitable for the old and the young, and the like.

Classifications:

International (IPC 8-9): B62K9/02 B62M1/04 B62M1/24
B62M11/04 (Advanced/Invention)

PatBase - CN201472550_U

CN 201472550 U 说明书附图 1/2 页



Family:

Publication number	Publication date	Application number	Application date
CN201472550 U	20100519	CN200920192339U	20090818

Priority:

CN200920192339U 20090818

Probable Assignee:

LU GAOBO

Assignee(s): (std):

LU GAOBO

Inventor(s): (std):

GAOBO LV

Inventor(s):

LV GAOBO

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN201472550 U	20100519	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201472550 U	20100519	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201472550 U	20131016	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN201472550 U	20190818	PEXP		Calculated Patent Term Expiry	

Title: **Three-wheeled scooter** (5 in 1) (Machine translation)

Abstract: Source: CN305182928S **Machine translation:** 1. The design product name: **Three-wheeled scooter** (five); 2. The product design uses: This product design for sports, entertainment, can also be used as a vehicle; 3. The design product design points are: The product shape; 4. The best indicator of the design elements of the picture or photo: Perspective view.

Classifications:

Locarno class: 21/02



Family:

Publication number	Publication date	Application number	Application date
CN305182928 S	20190528	CN201830626104F	20181107

Priority:

CN201830626104F 20181107

Probable Assignee:

GONG DAN

Assignee(s):

GONG DAN

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN305182928 S	20190528	LSGT	+	granted / extensions (spc, cpc, pte)	
CN305182928 S	20281107	PEXP		Calculated Patent Term Expiry	

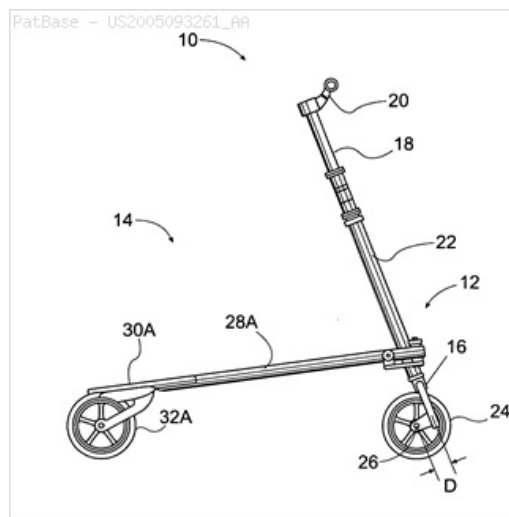
Abstract: A coupling system for use in a vehicle having a steering column and a pair of frame members has a plurality of flexible members; a bracket adapted for coupling to the steering column of the vehicle, the bracket having first and second pivot points for pivotally coupling the pair of frame members of the vehicle to the bracket; and first and second flexible pivot points for coupling each of the frame members to the bracket, the first and second flexible pivot points including the plurality of flexible members.

International (IPC 8-9): B62K3/00 (Advanced/Invention);
B62K3/00 (Core/Invention)

CPC: B62K3/002

European: B62K3/00B

US: 280/87.041



Publication number	Publication date	Application number	Application date
US2005093261 AA	20050505	US20040949548	20040924

US20030506236P 20030925 US20030529049P 20031212 US20040949548 20040924

HL CORP

LIAO CHEN HSUEH ; LIAO HSUEH HU

HL CORP

LIAO CHEN HSUEH ; LIAO HSUEH HU

LAW OFFICES OF ERIC KARICH

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Patent	Date recorded	Event group	Code	Event	Details
US2005093261 AA	20050505	LSPB	+	published / reissued	
US2005093261 AA	20041018	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HL CORPORATION, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIAO, CHEN-HSUEH; LIAO, HSUEH-HU; REEL/FRAME:015897/0208 EFFECTIVE DATE : 20040925
US2005093261 AA	20070622	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005093261 AA	20070622	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

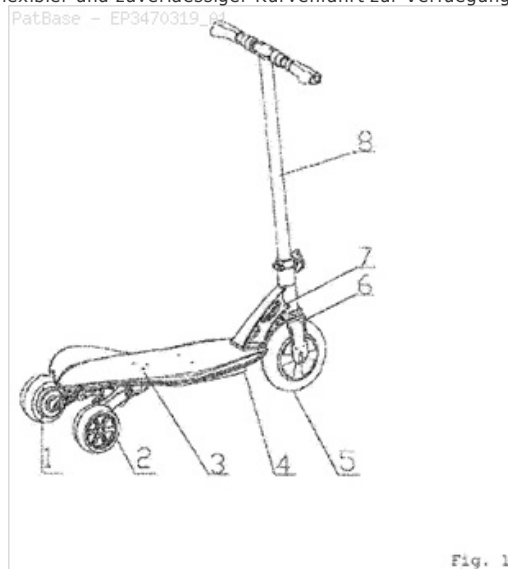
Title: ELECTRICALLY OPERATED TRICYCLE SCOOTER ROULEAU A 3 ROUES A COMMANDE ELECTRIQUE

Abstract: Source: EP3470319A1 [DE] Elektrisch betriebener Dreirad-Roller, umfassend ein Trittbrett (3), ein Vorderantriebsrad (5), Hinterräder (1, 2) und eine Lenkstangenmontage (8), wobei die Hinterräder (1, 2) durch eine Lenkkonstruktion an der Unterseite des Trittbretts (3) angebracht sind, wobei die Lenkkonstruktion eine Stuetzhalterung (13), eine Drehzentralachse (12), ein Drehungsteil (11), einen linken Schwenkarm (15), einen rechten Schwenkarm (9), eine linke Zugstange (14) und eine rechte Zugstange (10) umfasst, wobei das vordere Teil der Stuetzhalterung (13) an der Unterseite des Trittbretts (3) befestigt ist, wobei an dem hinteren Teil der Stuetzhalterung (13) die Drehzentralachse (12) vorgesehen ist, wobei das Drehungsteil (11) drehbar aussen um die Drehzentralachse (12) vorgesehen ist, wobei an den beiden Seiten links und rechts des Drehungsteils (11) jeweils eine Kurzachse vorgesehen ist, wobei das obere Ende des linken Schwenkarms (15) drehbar an der Kurzachse der linken Seite des Drehungsteils (11) angebracht ist, wobei das untere Ende des linken Schwenkarms (15) mit einem linken Hinterrad (1) versehen ist, wobei das obere Ende des rechten Schwenkarms (9) drehbar an der Kurzachse der rechten Seite des Drehungsteils (11) angebracht ist, wobei das untere Ende des rechten Schwenkarms (9) mit einem rechten Hinterrad (2) versehen ist. Die vorliegende Erfindung stellt einen elektrisch betriebenen Dreirad-Roller mit flexibler und zuverlaessiger Kurvenfahrt zur Verfuegung.

Classifications:

International (IPC 8-9): A63C 17/01 B62K3/00 B62K5/027 B62K5/08 B62K5/10 B62M6/65 (Advanced/Invention)

CPC: B62K3/002 B62K5/08 B62K5/10 B62M6/65



Family:

Publication number	Publication date	Application number	Application date
CN207389402 U	20180522	CN201721366250U	20171011
EP3470319 A1	20190417	EP20180199619	20181010

Priority:

CN201721366250U 20171011

Probable Assignee: ZHEJIANG SHUOZHI IND AND TRADE CO LTD

Assignee(s): (std): 4 TRADERS GMBH ; ZHEJIANG SHUOZHI IND AND TRADE CO LTD

Assignee(s): ZHEJIANG SHUOZHI IND AND TRADE CO ; ZHEJIANG SHUO CHI LTD

Inventor(s): (std): HU LINTING ; LINTING HU

Agent(s): SCHNEIDERS AND BEHRENDT PARTMBB RECHTSANWAELTE PATENTANWAELTE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN207389402 U	20180522	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207389402 U	20180522	LSGT	+GR01	PATENT GRANT	
CN207389402 U	20271011	PEXP		Calculated Patent Term Expiry	
EP3470319 A1	20190417	LSPB	+	published / reissued	

Title: Electric **three-wheeled scooter** (Machine translation)

Abstract: Source: CN305097861S **Machine translation:** 1. The design product name: Electric **three-wheeled scooters**. 2. The product design uses: This product design for the scooter, entertainment electric **three-wheeled scooters**. 3. The design product design points are: That is overall product shapes, patterns and combinations thereof. 4. The best indicator of the design elements of the picture or photo: 1 perspective.

Classifications:

Locarno class: 12/11



Family:

Publication number	Publication date	Application number	Application date
CN305097861 S	20190405	CN201830582725F	20181018

Priority:

CN201830582725F 20181018

Probable Assignee: WUXI FRUIT INTELLIGENT TECHNOLOGY CO LTD

Assignee(s): WUXI FRUIT INTELLIGENT TECHNOLOGY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN305097861 S	20190405	LSGT	+	granted / extensions (spc, cpc, pte)	
CN305097861 S	20281018	PEXP		Calculated Patent Term Expiry	

Title: VEHICLE HAVING POSITIONAL CONTROL FUNCTION

Abstract: Disclosed is a vehicle having a structure in which a handle connecting frame is attached to an upper end of a front fork section in a state in which the front fork section is connected thereto, and a front wheel rotatably supported by the front fork section is able to be steered, characterized in that a main rotary shaft of the front wheel functions as a main body and a support member and is fixed at two places to simultaneously tilt two handles leftward or rightward, the main rotary shaft of the front wheel is mounted on a footrest section, and a high elasticity compound recovery member is connected between the footrest section and a rear wheel rotary shaft in a longitudinal direction to be turned leftward or rightward to correspond to a centrifugal force about the rear wheel rotary shaft when tilting occurs during running

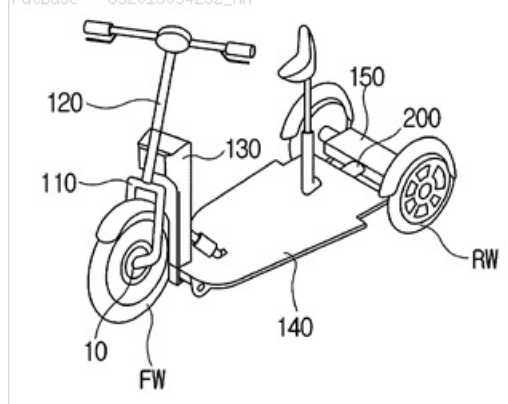
Classifications:

International (IPC 8-9): B62K21/06 B62K21/08 B62K25/04 B62K5/025 B62K5/027 B62K5/04 B62K5/10 F16F1/14 (Advanced/Invention)

CPC: B62K21/06 B62K21/08 B62K5/025 B62K5/10

US: 280/276

PatBase - US2015054252_AA



Family:

Publication number	Publication date	Application number	Application date
CN104271434 A	20150107	CN201280071240	20120423
CN104271434 B	20170623	CN201280071240	20120423
US2015054252 AA	20150226	US20120394102	20120423
US9527546 BB	20161227	US20120394102	20120423
WO13162082 A1	20131031	WO2012KR03106	20120423

Priority:

WO2012KR03106 20120423

Probable Assignee: LEE KOOK HWAN

Assignee(s): (std): GREENTRACK CO LTD ; LEE KOOK HWAN

Assignee(s): GREENTRACK CO

Inventor(s): (std): LEE KOOK HWAN

Agent(s): REVOLUTION IP PLLC; KIM SOON WOONG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT QA RO RS RU RW 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104271434 A	20150107	LSPB	+	published / reissued	
CN104271434 A	20150107	LSPB	+C06	PUBLICATION	
CN104271434 A	20170322	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN104271434 A	20170623	LSGT	+GR01	PATENT GRANT	
CN104271434 B	20170623	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104271434 B	20320423	PEXP		Calculated Patent Term Expiry	
US2015054252 AA	20150226	LSPB	+	published / reissued	
US2015054252 AA	20161005	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LEE, KOOK HWAN, KOREA,

					REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LEE, KOOK HWAN; GREENTRACK. CO., LTD.; REEL/FRAME:039937/0642 EFFECTIVE DATE : 20161004
US2015054252 AA	20161207	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9527546 BB	20161227	LSGT	+	granted / extensions (spc, cpc, pte)	
US9527546 BB	20141013	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GREENTRACK. CO., LTD., KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEE, KOOK HWAN; REEL/FRAME:033934/0379 EFFECTIVE DATE : 20140918
US9527546 BB	20141013	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LEE, KOOK HWAN, KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEE, KOOK HWAN; REEL/FRAME:033934/0379 EFFECTIVE DATE : 20140918
US9527546 BB	20161207	LSGT	PAT1	Patented Case	
US9527546 BB	20320423	PEXP		Calculated Patent Term Expiry	
WO13162082 A1	20131031	LSPB	+	published / reissued	
WO13162082 A1	20141013	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14394102 COUNTRY OF REF DOCUMENT : US
WO13162082 A1	20141023	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13162082 A1	20150527	LSNE	-122	EP: PCT APPLICATION NON- ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 12875625 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: SCOOTER HAVING POSITION RECOVERY AND SHOCK-ABSORBING FUNCTIONS

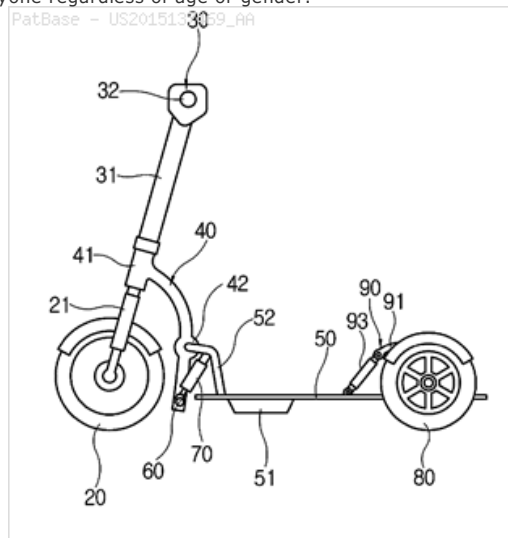
Abstract: Disclosed is a scooter with shock-absorbing means in the front and rear thereof, thereby allowing a quick recovery when changing directions while riding or when riding over an obstacle on the road, and minimizing the impact transmitted from the road, thus having the benefit of making the use thereof easy for everyone regardless of age or gender.

Classifications:

International (IPC 8-9): B62K1/00 B62K21/08 B62K25/04 B62K25/20 B62K3/00 B62K5/02 B62K5/04 B62M1/00 F16F9/00 (Advanced/Invention)

CPC: B62K25/04 B62M1/00 B62K3/002

US: 1/1 280/87.03

**Family:**

Publication number	Publication date	Application number	Application date
CN104169163 A	20141126	CN201280071241	20120423
CN104169163 B	20180925	CN201280071241	20120423
US2015137469 AA	20150521	US20120394101	20120423
US9327796 BB	20160503	US20120394101	20120423
WO13162081 A1	20131031	WO2012KR03105	20120423

Priority:

WO2012KR03105 20120423

Probable Assignee: GREENTRACK CO LTD

Assignee(s): (std): GREENTRACK CO LTD ; LEE KOOK HWAN

Assignee(s): GREENTRACK CO

Inventor(s): (std): LEE KOOK HWAN

Agent(s): REVOLUTION IP PLLC; KIM SOON WOONG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT QA RO RS RU RW 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104169163 A	20141126	LSPB	+	published / reissued	
CN104169163 A	20141126	LSPB	+C06	PUBLICATION	
CN104169163 A	20141210	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : GREEN TRACK LLC EFFECTIVE DATE : 20141119
CN104169163 A	20141210	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN104169163 A	20170322	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN104169163 B	20180925	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104169163 B	20180925	LSGT	+GR01	PATENT GRANT	

CN104169163 B	20320423	PEXP		Calculated Patent Term Expiry	
US2015137469 AA	20150521	LSPB	+	published / reissued	
US2015137469 AA	20160413	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9327796 BB	20160503	LSGT	+	granted / extensions (spc, cpc, pte)	
US9327796 BB	20141013	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GREENTRACK. CO., LTD., KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEE, KOOK HWAN; REEL/FRAME:033934/0381 EFFECTIVE DATE : 20140918
US9327796 BB	20141013	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LEE, KOOK HWAN, KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEE, KOOK HWAN; REEL/FRAME:033934/0381 EFFECTIVE DATE : 20140918
US9327796 BB	20151127	LSSES	ADV1	Advisory Action Mailed	
US9327796 BB	20160413	LSGT	PAT1	Patented Case	
US9327796 BB	20320423	PEXP		Calculated Patent Term Expiry	
WO13162081 A1	20131031	LSPB	+	published / reissued	
WO13162081 A1	20141013	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14394101 COUNTRY OF REF DOCUMENT : US
WO13162081 A1	20141023	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13162081 A1	20150527	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 12875267 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

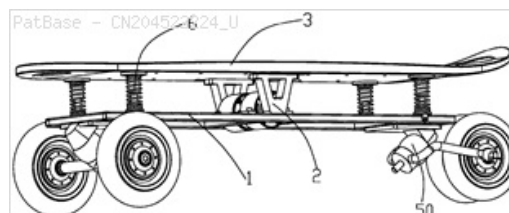
Title: ELECTRIC SCOOTER

Abstract: The utility model discloses an electric scooter, this the utility model discloses an electric scooter have three wheel, and one of them is the double wheel hub wheel, and this double wheel hub wheel is installed in the one end of automobile body, and two wheels are installed in the automobile body other end in addition. Install in the utility model discloses an electric scooter's one end wheel is a double wheel hub wheel, has the stability of preferred for the tricycle scooter of single round hub wheel, has the operational flexibility of preferred for the four-wheel scooter.

Classifications:

International (IPC 8-9): A63C17/04 A63C17/12 (Advanced/Invention)

CPC: A63C17/014



Family:

Publication number	Publication date	Application number	Application date
CN104689556 A	20150610	CN201510117387	20150317
CN104689556 B	20170201	CN201510117387	20150317
CN204522224 U	20150805	CN201520151892U	20150317

Priority:

CN201510117387 20150317 CN201520151892U 20150317

Probable Assignee: CHANGZHOU AIRWHEEL INTELLIGENT TECHNOLOGY CO LTD

Assignee(s): (std): CHANGZHOU AIRWHEEL INTELLIGENT TECHNOLOGY CO LTD ; CHANGZHOU AIRWHEEL TECHNOLOGY CO LTD

Assignee(s): CHANGZHOU AIRWHEEL INTELLIGENT TECHNOLOGY CO

Inventor(s): (std): INVENTOR HAS WAIVED RIGHT TO BE MENTIONED

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104689556 A	20150610	LSPB	+	published / reissued	
CN104689556 A	20150610	LSPB	+C06	PUBLICATION	
CN104689556 A	20170201	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN104689556 B	20170201	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104689556 B	20350317	PEXP		Calculated Patent Term Expiry	
CN204522224 U	20150805	LSGT	+	granted / extensions (spc, cpc, pte)	
CN204522224 U	20150805	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN204522224 U	20250317	PEXP		Calculated Patent Term Expiry	

Title: MOTOR VEHICLE

Abstract: The invention relates to a motor vehicle (1") comprising: a vehicle body (10") having a sitting position (11") for a driver; a rear wheel (20"), which is supported on a rear end segment (12") of the vehicle body (10"); a front axle (30"), which is supported on a front end segment (14") of the vehicle body (10") in a vehicle longitudinal center plane (E) in such a way that the front axle can be rotated about an axis (A") extending in the vehicle longitudinal direction; and two front wheels (40"), which are arranged on the front axle (30") in such a way that the front wheels can be steered. The motor vehicle is characterized by a high level of maneuverability and a small turning circle diameter. Thus, micro motor vehicles, the traffic footprint of which corresponds approximately to a fourth of the traffic footprint of conventional passenger cars, are enabled.

Classifications:

International (IPC 8-9): B60G9/02 B62D9/00 B62D9/02 B62K5/027

B62K5/05 B62K5/08 B62K5/10 (Advanced/Invention)

CPC: B60G2200/322 B60G2300/122 B60G2300/45 B62K5/027 B60G9/02 B62M6/90 B62K5/05

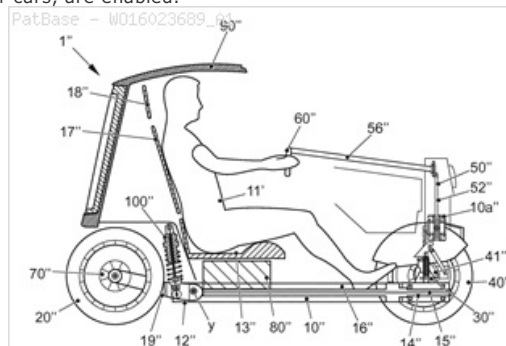


FIG. 6

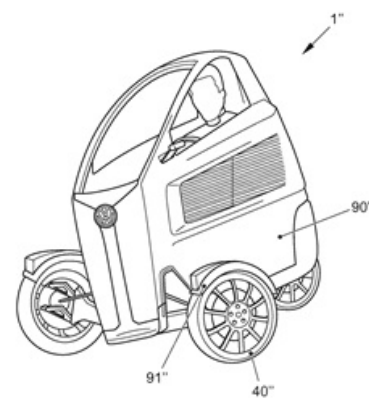


FIG. 9

Family:

Publication number	Publication date	Application number	Application date
CN106573517 A	20170419	CN201580043186	20150709
DE102014215979 A1	20160218	DE201410215979	20140812
EP3180203 A1	20170621	EP20150738037	20150709
EP3180203 B1	20190515	EP20150738037	20150709
WO16023689 A1	20160218	WO2015EP65721	20150709

Priority:

DE201410215979 20140812 WO2015EP65721 20150709

Probable Assignee: VOLKSWAGEN GROUP

Assignee(s): (std): VOLKSWAGEN AG ; VOLKSWAGEN GROUP

Inventor(s): (std): ANDRONIS ODYSSEUS

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 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 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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN106573517 A	20170419	LSPB	+	published / reissued	
CN106573517 A	20170419	LSPB	PB01	PUBLICATION	
DE102014215979 A1	20160218	LSPB	+	published / reissued	
EP3180203 A1	20170621	LSPB	+	published / reissued	

EP3180203 A1	20170621	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170313
EP3180203 A1	20190313	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190215
EP3180203 B1	20190515	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3180203 B1	20190515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3180203 B1	20350709	PEXP		Calculated Patent Term Expiry	
WO16023689 A1	20160218	LSPB	+	published / reissued	