

Search history

Search 1: ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and tilt* and (fender* or cover) and mud (Results 25)

Search 2: ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and (fender* or cover) and (mud or splash*) (Results 512)

Search 3: ft=(motorcycle or tricycle or trike) and front and wheel* and cover and (mud or splash*) (Results 128)

Search 4: ft=vehicle and two front wheels and fender* (Results 41)

Search 5: ft=fender* and mud and (quad or motorcycle) (Results 186)

Search 6: ft=all and terrain and vehicle and fender (Results 140)

Search 7: ft=vehicle and front and fender and (saddle or seat) and mud (Results 65)

- session log created:28 April 2017 15:52:50

- Update information:

PatBase Coverage at Update 2017 Week 16 (Year 2017 Week 16)

PatBase Coverage includes 100+ million documents from over 100 patent-issuing authorities and includes patent applications, granted patents, utility models and designs â€" detailed in the below coverage listings.

Major countries

Publishing body	Document type	Bibliographic publication date		Full-Text publication date	
		Earliest	Latest	Earliest	Latest
CN China	Patent Applications	19850910	20170419	19850910	20170419
	Patents	19930106	20170419	19930106	20170419
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20170419	19930106	20170419
	Designs	19850910	20170419	19850910	20150819
DE Germany	Patent Applications	19211221	20170420	19650317	20170420
	Patents	18770101	20170420	19200113	20170420
	Utility Models	19280626	20170420	19610831	20170420
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20170419	19781220	20170419
	Patents	19800109	20170419	19800109	20170419
FR France	Patent Applications	19690307	20170421	19810102	20170331
	Patents	18550227	20170421	19600502	20170421
	Utility Model Applications	19720107	20170421	19800104	20170331
	Utility Models	19730112	20170421	19690802	20170414

GB United Kingdom	Unpublished Patent Applications	19830209	20170405		
	Patent Applications	19790104	20170419	19790104	20170405
	Patents	17820704	20170419	19020911	19811216
JP Japan	Patent Applications	19710116	20170420	19930108	20170413
	Patents	19281026	20170405	19960529	20170405
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20170406	19940726	20101216
	Designs	20141110	20170417		
KR Republic of Korea	Patent Applications	19781209	20170421	19940103	20170421
	Patents	19700820	20170421	19970104	20170421
	Utility Model Applications	19781127	20170421	19940730	20170421
	Utility Models	19780110	20170421	19970104	20170421
US United States of America	Patent Applications	20010315	20170420	20010315	20170420
	Patents	18360101	20170418	18560617	20170418
	Designs	18650912	20170418	19770719	20170418
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20170420	19781019	20170420
	Designs	20151127	20170421	20151127	20170331

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- **search:** SS1 ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and tilt* and (fender* or cover) and mud (Results 25)
- List: SS1 1–50 (ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and tilt* and (fender* or cover) and mud) (Results 25)

0) US2007203727A – EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS C...

1) Family number: 40797636 (US2007203727A)

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Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Priority:

US20060279333	20060411	US20060361247	20060224	US20060381265	20060502
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Publication number	Publication date	Application number	Application date
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Probable Assignee: SOVEREIGN DEED LLC

Assignee(s):^(std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s):^(std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H ET AL

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 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

International class
(IPC 8-9):

A01B71/06 A45F5/00 A47F1/04 A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00
B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00
E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04 G01C21/20 G01T1/02
G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44
G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00
G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59
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G06Q90/00 (Advanced/Non-invention);
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US class:

141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1
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52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S 600/300 600/300P
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Classification Explorer

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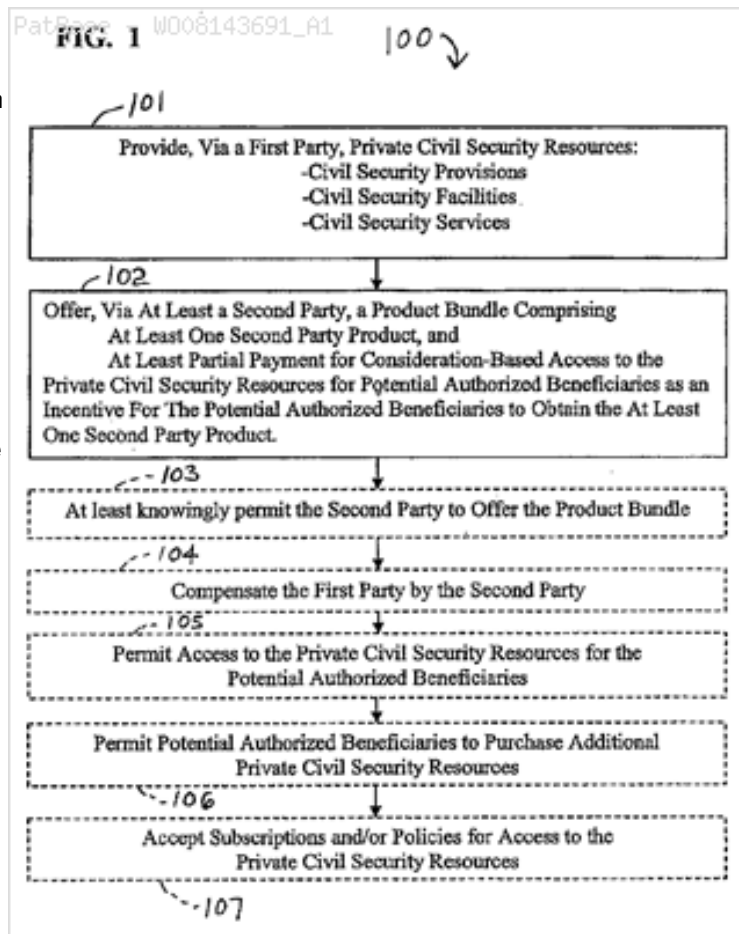
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Abstract:

Source: US2007203727A One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.



0) US2005120715A – HEAT ENERGY RECAPTURE AND RECYCLE AND ITS NEW A...

2) Family number: 30545299 (US2005120715A)

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Title: HEAT ENERGY RECAPTURE AND RECYCLE AND ITS NEW APPLICATIONS

Priority: CA20022397847 20020812 CA20022404410 20020920 US19860820082 19860121
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Family:

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 LABRADOR ; LABRADOR GAUDENCIO

Agent(s):

ROGER SYN AND CO PATENT AND TRADE MARK ATTORNEYS; FURMAN AND KALLIO; OYEN WIGGS GREEN AND MUTALA LLP; GAUDENCIO AQUINO LABRADOR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG 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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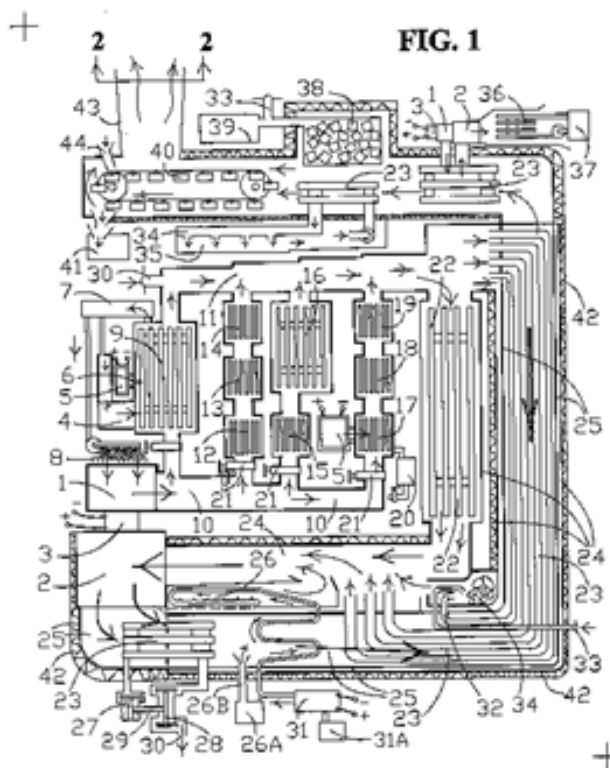
Source: US2005120715A What has been created is a plurality and a variety of processes and a variety of devices correspondingly supportive to each process, wherein, a new partnership between; (1) a heat absorbing radiator compressed air pipes/tubes and (2) a gas turbine engine or a reciprocating piston engine,—is used to recapture and reconvert the, otherwise wasted, heat energies expelled by engines, by factories, by smelting plants, by distillation plants, by chillers/coolers/freezers, by cooking ovens, by lamps/stoves, by trash burners, and the heat energies created by the solar heat on the desert/ocean water,—into electric power and finally into hydrogen–deuterium fuel,—by having the engine's tailpipes submerged in cold compressed air inside the heat absorbing radiator pipes in reverse air flow, to further drive and re–drive the same engine; wherein, in order to capture fusion heat energy the hydrogen bomb is detonated in the deep ocean to catch the flames by the water and the hot water is used to energize the compressed air inside the heat absorbing radiator pipes; wherein, in order to produce fusion energy, an abundant electric arc is passed across liquid deuterium or across gaseous deuterium by the electro–plasma torch and sparkplug in the internal combustion engine, and by detonating a dynamite inside a liquid deuterium; wherein diamond is produced by placing carbon inside the hydrogen bomb; and wherein, deuterium fusion flame is used first in smelting glass to large sizes before running an engine.

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0) US2003231485A – TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVI...

3) Family number: 28290889 (US2003231485A)

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Title: TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVICE

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Probable Assignee: TORMACH LLC

Assignee(s):^(std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC

Inventor(s):^(std): CHIEN TSENG LU ; CHIEN TSENG L ; CHIEN TAENG LU

Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC; ROBERT

International class
(IPC 8-9):
A41D27/08 A41G1/00 A42B1/24 A43B3/00 A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 F21K2/00 F21K9/232 F21K99/00 F21L13/00 F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/02 F21S10/06 F21S2/00 F21S4/00 F21S6/00 F21S8/00 F21S8/08 F21S9/02 F21V1/00 F21V1/10 F21V11/00 F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08 F21V15/01 F21V17/00 F21V17/02 F21V19/00 F21V19/02 F21V21/00 F21V21/005 F21V21/08 F21V21/092 F21V21/14 F21V21/22 F21V21/26 F21V21/30 F21V23/00 F21V23/02 F21V23/04 F21V23/06 F21V25/02 F21V29/00 F21V29/502 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/00 F21V5/04 F21V7/00 F21V7/04 F21V8/00 F21V9/00 F21V9/16 G01J5/00 G01S3/786 G02B27/22 G02F1/13 G02F1/1335 G02F1/13357 G03B1/00 G03B15/03 G03B19/18 G03B21/00 G03B21/14 G03B21/20 G03B23/00 G03B29/00 G03B3/00 G03H1/22 G04B19/04 G04B19/30 G04B37/12 G04B47/00 G04C10/00 G04C19/00 G04G99/00 G06F1/26 G06K9/00 G06T7/00 G06T7/20 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F9/33 G09G3/30 G09G3/32 H01L21/00 H01L21/68 H01R11/00 H01R13/66 H01R25/00 H01R27/00 H01R3/00 H01R33/00 H01R33/009 H01R39/00 H02G3/14 H02J4/00 H02J7/00 H02J7/02 H02M1/00 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/33 H04N5/76 H04N7/18 H04N9/31 H05B33/08 H05B37/02 H05B41/30 (Advanced/Invention);
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B60R13/02 G02B5/32 (Core/Non-invention)

International class
(IPC 1-7):
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European class:

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T01R24/76 Y02B10/30

US class:

1/1 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287
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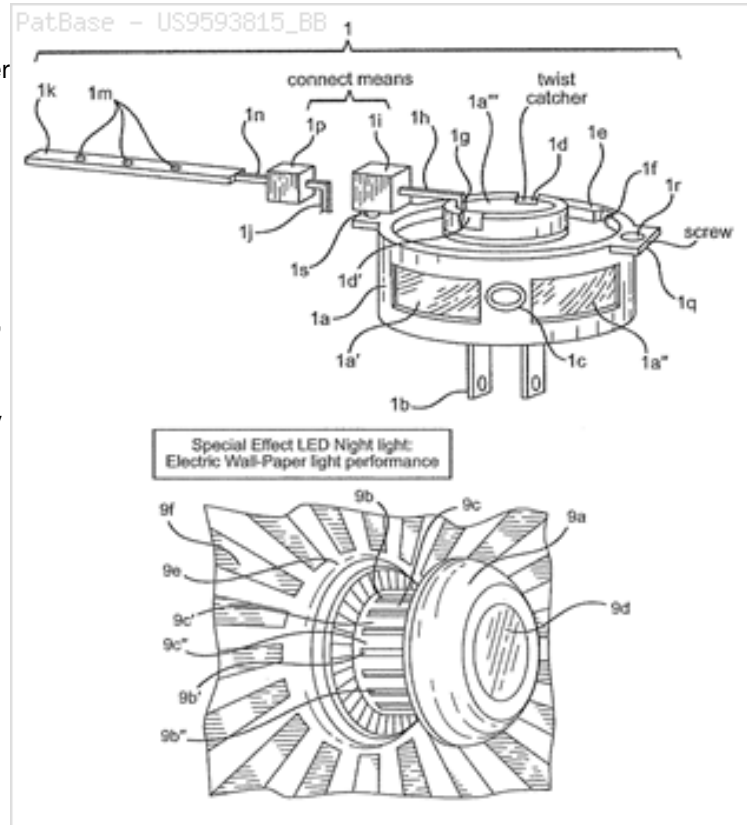
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Abstract:

Source: US2003231485A A tubular Electro-Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper inverter system. The said panel(s) with much narrow width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.



4) Family number: 12961667 (US6435298B)

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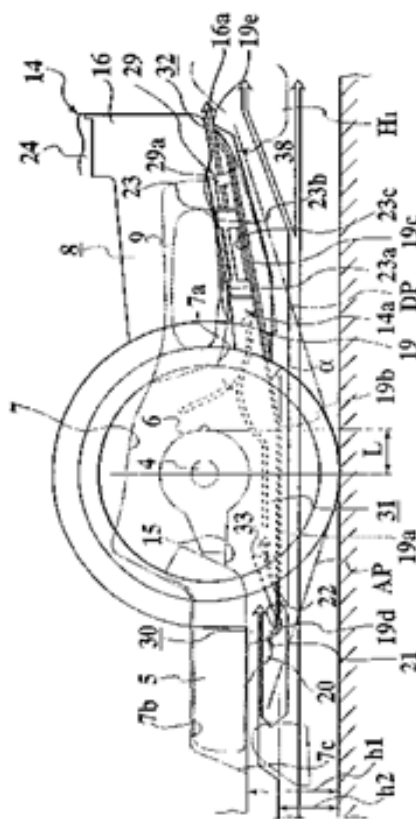
Title: Vehicle rear underside structure**Priority:** JP19980363906 19981222 JP19980365322 19981222

Family:	Publication number	Publication date	Application number	Application date
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	<u>DE69905842 T2</u>	20031030	DE19996005842T	19991222
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	<u>US6435298 BA</u>	20020820	US19990466482	19991217

Probable Assignee: NISSAN MOTOR CO LTD**Assignee(s):^(std):** NISSAN MOTOR**Assignee(s):** NISSAN MOTOR CO LTD**Inventor(s):^(std):** YAMAZAKI AKIHITO ; YAMAZAKI AKIHOTI ; TAKAYAMA CHIAKI ; MIZUNO KAZUTOSHI ; MAEDA RYOJI**Designated states:** AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE**International class**
(IPC 8-9): [B62D25/20 B62D35/02](#) (Advanced/Invention);
[B62D25/20 B62D35/00](#) (Core/Invention)**International class**
(IPC 1-7): [B60J1/00 B60K17/00 B60R9/18 B62D25/20 B62D35/02](#)**CPC:** [B62D35/02](#)**European class:** [B62D35/02](#)**US class:** [180/346 280/762 296/180.1](#)[Classification Explorer](#)**Cited documents:** US6116365 A, US5813491 A, US5042870 A, US5025878 A, US4966408 A, US4772060 A, US4655307 A, US4640541 A, US4569551 A, US3754615 A, JP4358972 A2, JP4339079 A2, JP2303980 A2, JP10365322 A2, JP10363906 A2, DE4319281 A1, DE4102073 A1, DE3712048 A1, DE19711336 A1, DE19543778 A1,**Forward Citations:** WO15037393, WO13149876, WO11126086, WO10136460, WO09044254, WO07096553, WO07096553, WO07096549, WO07096549, WO06121711, USD751010, USD751009, USD751008, USD695164, US9227677, US8668254, US8657350, US8402878, US8366178, US8210600, US8028781, US8007029, US7891151, US7784811, US7654544, US7624835, US7275611, US7055895, US7036875, US6824203, US6712425, US2016244032, US2015021111, US2014299394, US2013059519, US2013057025, US2011309652, US2011169240, US2011095562, US2010264636, US2010171297, US2009096249, US2009025993, US2007248436, US2007228714, US2006252361, US2005212310, US2005052056, US2003214153, US2003098576, JP3912037, JP20111218939, JP2009090681, JP2002347664, GB2510580, GB2492099, GB2492099, FR2987806, FR2987805, FR2897830, FR2895324, FR2863244, EP2557022, EP1520771, DE10314356, DE10314356, DE102015108509, DE102013217110, DE102013018641, DE102012205582, DE102009022684, DE102008047488, DE102007054854, DE102006061115, DE10021855, CN104203731, CN102785712, CN102307776,

Source: US6435298B A rear underside structure of a vehicle as a rear undercover main body, an air flow path, an air intake opening, and an air exhaust opening. The rear undercover main body has an inclined planar part that rises toward the rear of the vehicle, and is disposed further to the rear of than the fuel tank, between the front and rear axles, so as to cover a drive element of the vehicle. The air flow path is disposed between the rear undercover main body and the drive element. The inclined planar part delineates at least a rear part of the air flow path. The air intake opening is disposed further to the front than the drive element, and the air exhaust opening is disposed to the rear of the inclined planar part. Air which flows in from the air intake opening passes through the air flow path, and is exhausted from the exhaust opening.

FIG. 1



0) US2006065457A – STRADDLE TYPE VEHICLE

5) Family number: 32761736 (US2006065457A)

© PatBase

Title: STRADDLE TYPE VEHICLE

Priority: JP20040277464 20040924

Family:

Publication number	Publication date	Application number	Application date
CN100548783 C	20091014	CN200510107532	20050926
CN1751958 A	20060329	CN200510107532	20050926
JP2006088895 A2	20060406	JP20040277464	20040924
TH32445 B	20120410	TH20051004444	20050922
TH80820 A	20061031	TH20051004444	20050922
US2006065457 AA	20060330	US20050234821	20050923
US7353903 BB	20080408	US20050234821	20050923
VN7016 A1	20080526	VN20050001247	20050909

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO

Inventor(s):^(std): GEN MIYABE TOSHIMASA NODA MASA ; GEN OHZONO ; MASAHIRO NODA ; MIYABE TOSHIMASA ; NODA MASAHIRO ; OHZONO GEN ; OSONO HAJIME ; TOSHIMASA MIYABE

Inventor(s): MIYABE TOSHIMASA NODA MASAHIRO OHZONO GEN

Agent(s): HOGAN AND HARTSON LLP

International class
(IPC 8-9): [B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [F02M35/02](#) (Advanced/Invention);
[B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [F02M35/02](#) (Core/Invention)

International class
(IPC 1-7): [B62K11/00](#)

CPC: [Y02T10/146](#) [F02M35/162](#) [B62K11/04](#) [B62K19/30](#) [B62K2202/00](#) [F02M35/0203](#)
[F02M35/024](#) [F02M35/04](#) [F02M35/10262](#)

European class: [B62K11/04](#) [B62K19/30](#) [F02M35/024](#) [F02M35/02H2C](#) [F02M35/04](#) [F02M35/10K6](#)
[F02M35/16C](#) [L62K202/00](#)

US class: [123/198.00E](#) [123/198.00ES](#) [123/198E](#) [180/218](#) [180/219](#) [180/220](#)

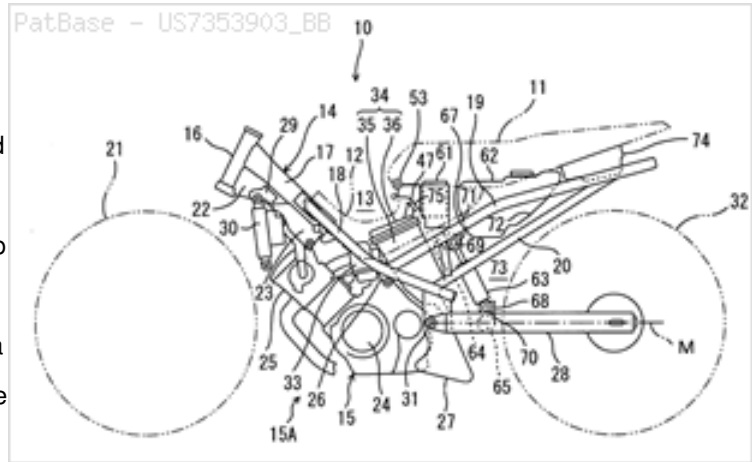
[Classification Explorer](#)

Cited documents: WO03001048 A1, US6615945 BB, US6547024 BB, US6349785 BA, JP2002037170 A2,

Forward Citations: US8991533, US8302722, US8146699, US8105406, US7967316, US7712564, US7594558, US2012145470, US2011232982, US2010222948, US2010133033, US2009242305, US2009090090, US2008179151, US2008083577, US2007023216, TWI435822, TWI352775, JP2011058455, JP2011057131, JP2010167796, EP3075589, EP2974948, EP2669502, EP2610476, EP2472094, CN102597482, CN102597482, AU2010288005,

Abstract:

Source: US2006065457A An air cleaner is prevented from sucking mud etc., while a relatively large space is ensured in front of a seat, in an under bone type straddle type vehicle which has an area recessed downward in front of the seat. An air cleaner is disposed in the rear of a cylinder block of an engine. The air cleaner includes a cleaner case that is taller than it is broad and a lid that covers a top of the cleaner case. An intake pipe is positioned at a rear side of the lid. The intake pipe is disposed within a space surrounded by the seat and a forward descending portion of a seat front cover, and opens obliquely upward rearward. A labyrinth structure is formed above the intake pipe for preventing drops of water from entering the intake pipe from the seat.



6) Family number: 3051275 (US5119718A)

© PatBase

Title: VENTILATING ARRANGEMENT FOR THE CAB OF A VEHICLE
Priority: CA19912034269 19910116 DE19904001148 19900117 DE19915001406 19910109
 EP19910100224 19910109

Family:	Publication number	Publication date	Application number	Application date
	<u>AT104609 E</u>	19940515	AT19910100224T	19910109
	<u>AU199169281 A1</u>	19910718	AU19910069281	19910110
	<u>AU631040 B2</u>	19921112	AU19910069281	19910110
	<u>CA2034269 AA</u>	19910718	CA19912034269	19910116
	<u>DE4001148 A1</u>	19910718	DE19904001148	19900117
	<u>DE4001148 C2</u>	19920521	DE19904001148	19900117
	<u>DE59101406 D1</u>	19940526	DE19915001406	19910109
	<u>EP0438076 A2</u>	19910724	EP19910100224	19910109
	<u>EP0438076 A3</u>	19911227	EP19910100224	19910109
	<u>EP0438076 B1</u>	19940420	EP19910100224	19910109
	<u>ES2051525 T3</u>	19940616	ES19910100224T	19910109
	<u>FI111146 B</u>	20030613	FI19910000190	19910114
	<u>FI910190 A</u>	19910718	FI19910000190	19910114
	<u>FI910190 A0</u>	19910114	FI19910000190	19910114
	<u>JP3107836 B2</u>	20001113	JP19910001407	19910110
	<u>JP4212619 A2</u>	19920804	JP19910001407	19910110
	<u>US5119718 A</u>	19920609	US19910640442	19910111

Probable Assignee: DEERE AND CO

Assignee(s):^(std): DEERE AND CO ; TEICH MICHAEL ; WAGNER JUERGEN ; WAGNER JURGEN

Assignee(s): DEERE AND CO MOLINE ILL ; DEERE AND CO MOLINE ILL US NIEDERLASSUNG
 DEERE AND CO EUROPEAN OFFICE 6800 MANNHEIM DE ; DEERE AND COMPANY

Inventor(s):^(std): MIHAERU TAIHI ; TEICH MICHAEL ; TEICH MICHAEL DIPL ING ; WAGNER JUERGEN ;
 WAGNER JUERGEN DIPL ING ; WAGNER JURGEN ; WAGNER JURGEN DIPL ING ;
 YURUGEN BUAAGUNAA

Inventor(s): WAGNER JUERGEN DIPL ING W 6100 DARMSTADT ; WAGNER JUERGEN 6100
 DARMSTADT DE ; TEICH MICHAEL DIPL ING W 6800 MANNHEIM 24 ; TEICH
 MICHAEL 6800 MANNHEIM DE ; JURGEN WAGNER ; MICHAEL TEICH

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER
 GERVAIS LLP

Designated states: AT BE CH DE ES FR GB IT LI

International class B01D46/10 B60H1/00 B60H1/24 B60H3/06 (Advanced/Invention);
^{(IPC 8-9):} B01D46/10 B60H1/24 (Advanced/Non-invention);
B01D46/10 B60H1/00 B60H1/24 B60H3/06 (Core/Invention)

International class B01D46/00 B01D46/10 B60H1/0 B60H1/24 B60H3/06 B62D33/06
^{(IPC 1-7):}

CPC: B60H1/00378 B60H3/0616 B60H2003/065

European class: B60H1/00H3 B60H3/06A1 L60H3/06A9

US class: 296/208 454/136 454/158 55/433

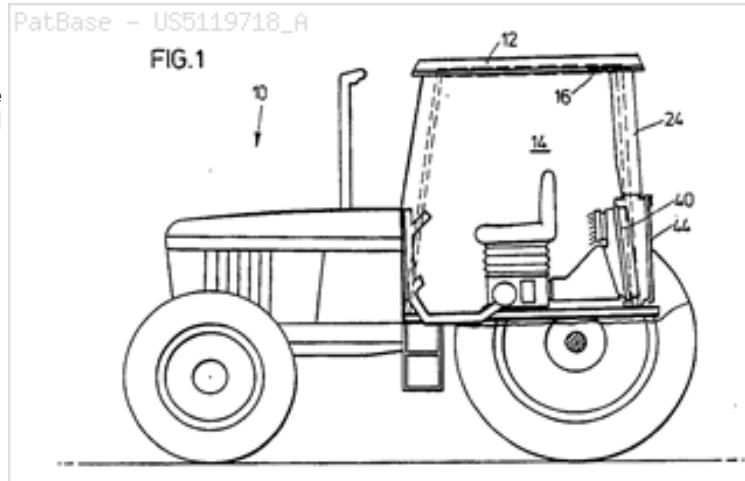
[Classification Explorer](#)

Cited documents: US4612975 A, US4531453 A, US4518195 A, US4221274 A, US4072487 A, US3868896
 A, US3792569 A, US1270147 A, SU1151486 T, GB1509115 A, EP0125620 A1,
 EP0125562 A1, EP0042597 B1, DE7244048 U,

Forward Citations: WO12001095, WO10049381, WO10049358, WO10049357, WO09157731, WO09157731, US9434236, US9242681, US9126643, US9011220, US8801086, US8728191, US8580005, US8485589, US8459727, US8376820, US7401848, US7377848, US7338357, US7294181, US7290829, US7069736, US6755732, US6578907, US6431299, US6398294, US6312327, US6290286, US6273494, US6217439, US6202394, US6196308, US5833528, US5772713, US5308279, US2015000996, US2014273785, US2014065936, US2013244561, US2013203333, US2012009860, US2011252756, US2011241380, US2011201263, US2011165832, US2011165830, US2011162901, US2010029192, US2008032619, US2007145781, US2006186224, US2006046634, US2006006696, US2004194488, RU2566163, RU2502611, KR100896939, JP7024613, JP2593705, JP2012144189, JP2011512240, ITTO20100569, GB2466765, GB2417440, GB2417440, GB2341676, EP2371587, EP2172353, EP2154011, EP1186518, EP1162093, EP0803387, EP0773124, DE19616436, DE19541934, DE102014224919, DE102008005186, DE10141986,

Abstract:

Source: US5119718A A ventilating arrangement for a vehicle cab draws air in from outside the cab through the cab roof. The air flows through at least one generally vertical air duct downward to the vicinity of the cab floor, and supplied from there to various outlets in the interior of the cab. In order to allow use of air filters with relatively large filter area and as convenient accessibility for easy replacement, a filter housing is connected to the lower region of each generally vertical air duct. Each filter housing encloses an air filter that is accessible from the exterior of the cab. The filter is oriented in a generally vertical direction. Preferably, each corner post of the cab is provided with an air duct which is connected to a filter housing attached to the inner fenders of the rear wheels. Each filter housing is closed by a removable cover accessible from the rear of the vehicle.



0) US5892360A – PROBE CARRIER FOR DETECTING MINES OR OTHER FORE...

7) Family number: 18798766 (US5892360A)

© PatBase

Title: PROBE CARRIER FOR DETECTING MINES OR OTHER FOREIGN OBJECTS WHICH ARE CLOSE TO THE GROUND SURFACE

Priority: DE19951040961 19951021 DE19962008667U 19960514

Family:	Publication number	Publication date	Application number	Application date
	<u>DE19540961 A1</u>	19970424	DE19951040961	19951021
	<u>DE29608667 U1</u>	19970220	DE19962008667U	19960514
	<u>EP0769707 A2</u>	19970423	EP19960116736	19961018
	<u>EP0769707 A3</u>	19980401	EP19960116736	19961018
	<u>US5892360 A</u>	19990406	US19960734328	19961021

Probable Assignee: DR FORSTER PRUFGERATEBAU GMBH AND CO INST KG

Assignee(s):^(std): FOERSTER INST DR FRIEDRICH ; INST DR FORSTER PRUFGERATEBAU

Assignee(s): INSTITUT DR FORSTER PRUFGERATEBAU GMBH AND CO KG ; INSTITUT DR FRIEDRICH FOERSTER PRUEFGERAETEBAU GMB ; INSTITUT DR FRIEDRICH FOERSTER PRUEFGERAETEBAU GMBH AND CO KG 72766 REUTLINGEN DE ; INSTITUT DR FRIEDRICH FOERSTER PRUEFGERAETEBAU GMBH AND CO KG ; DR FRIEDRICH FOERSTER PRUEFGERAETEBAU GMBH AND CO INST KG ; DR FORSTER PRUFGERATEBAU GMBH AND CO INST KG ; DR FORSTER PRUFGERATEBAU GMBH INST ; DR FRIEDRICH FOERSTER PRUEFGERAETEBAU GMBH AND CO

Inventor(s):^(std): FOERSTER MARTIN ; WILLER JOHANN W

Inventor(s): WILLER JOHANN W 89233 NEU ULM DE

Designated states: DE DK FR GB IT SE

International class F41H11/16 (Advanced/Invention)
(IPC 8-9):

International class F41H11/12 F41H11/16 F41H7/00 G01V3/11 G01V3/15 G01V3/165 G01V3/17
(IPC 1-7):

CPC: F41H11/136 F41H11/16

European class: F41H11/16

US class: 324/326 324/345 324/365 89/1.13

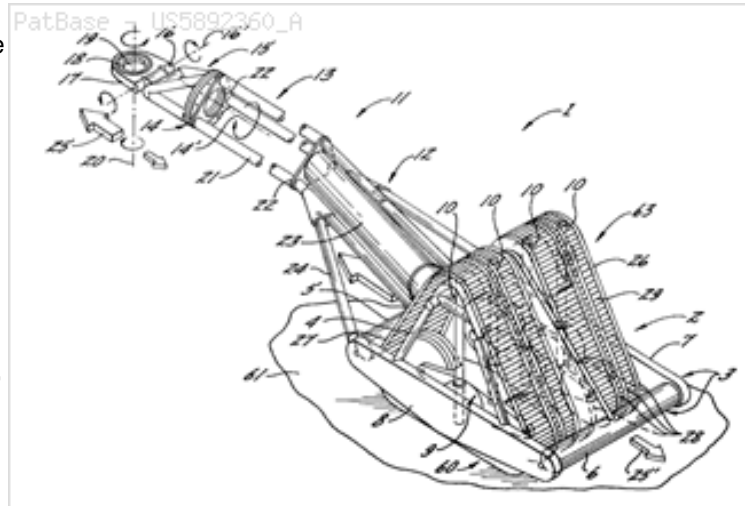
[Classification Explorer](#)

Cited documents: US5654637 A, US5321361 A, US4773298 A, US4021725 A, US3634753 A, US2885633 A, GB1443925 A, FR51551 E, EP0040988 A2, DE4443856 A1, DE4242541 A1, DE3928082 A1, DE3826731 A1, DE19502455 A1,

Forward Citations: WO10065675, US9561842, US9234725, US9158024, US8763506, US8677876, US8646347, US8397612, US8374754, US8240239, US8188745, US8140217, US8037797, US7685917, US7683821, US7600460, US7252304, US7132943, US7132943, US7062221, US6952990, US2014007756, US2013014633, US2011180283, US2010326220, US2010141261, US2009223355, US2009145249, US2009037049, US2008236376, US2006191358, US2005270154, FR2851037, FR2786263, EP2905056, EP1445572, EP1004845, DE29719789, DE202012007159,

Abstract:

Source: US5892360A A probe carrying vehicle is described which has at least one probe carrier which preferably carries at least one eddy current probe and at least one magnetic field probe for ground and foreign matter detection in a search area. Spacing means which may be in the form of a bogie assembly with wheels or chains or the like are provided to maintain a spacing between the ground and the probes. The probe carrier is movable over the search area by means of a craft, to which the probe carrier is flexibly coupled by means of coupling means. The coupling means are disposed on one end of a preferably long pole, the other end of the pole being fixed rigidly to the probe carrier. The pole ensures a proper orientation of the probe relative to the ground particularly on uneven ground.



0) JP2009035127A – ARRANGEMENT STRUCTURE OF FALL-DOWN SENSOR IN MO...

8) Family number: 42954757 (JP2009035127A)

© PatBase

Title: ARRANGEMENT STRUCTURE OF FALL-DOWN SENSOR IN MOTORCYCLE

Priority: JP20070201033 20070801

Family:	Publication number	Publication date	Application number	Application date
	CN101357656 A	20090204	CN200810145043	20080730
	CN101357656 B	20110518	CN200810145043	20080730
	IN01712DE2008 A	20090403	IN2008DE01712	20080721
	IN281536 B	20170324	IN2008DE01712	20080721
	JP2009035127 A2	20090219	JP20070201033	20070801
	JP5171149 B2	20130327	JP20070201033	20070801
	TH97172 A	20090724	TH20081002751	20080602
	VN10113 A1	20120425	VN20080001243	20080526

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO K K ; HONDA MOTOR CO

Inventor(s):^(std): INOUE YUSUKE ; MAEDA YASUYUKI ; YASUYUKI MAEDA ; YUSUKE INOUE

International class
(IPC 8-9): [B62J15/00](#) [B62J17/00](#) [B62J17/06](#) [B62J23/00](#) [B62J39/00](#) [B62J99/00](#)
[G01P15/18](#) (Advanced/Invention);
[B62J15/00](#) [B62J17/00](#) [B62J23/00](#) [B62J99/00](#) [G01P15/18](#) (Core/Invention)

International class
(IPC 1-7): [B62J015/00](#) [B62J017/06](#) [B62J099/00](#) [B62J15/00](#) [B62J17/00](#) [B62J99/00](#) [F02D11/10](#)
[G01P15/18](#)

[Classification Explorer](#)

Cited documents: JP2007112312 A2, JP2007062692 A2, JP2006281918 A2, JP2004093537 A2, JP11278339 A2,

Forward Citations: JP2012091704, JP2011063195,

0) JP2011121510A – REAR LAMP OF MOTORCYCLE

9) Family number: 49107549 (JP2011121510A)

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Title: REAR LAMP OF MOTORCYCLE

Priority: JP20090281762 20091211

Family:	Publication number	Publication date	Application number	Application date
	AR079317 AA	20120118	AR2010P104516	20101207
	BRPI1005600 A2	20130402	BR2010PI05600	20101209
	CN102095147 A	20110615	CN201010582756	20101206
	CN102095147 B	20130807	CN201010582756	20101206
	CO6290092 A1	20110620	CO20100154348	20101207
	IN02663DE2010 A	20131004	IN2010DE02663	20101108
	JP2011121510 A2	20110623	JP20090281762	20091211
	JP5174797 B2	20130403	JP20090281762	20091211
	PE05242011 A1	20110716	PE20100001119	20101207

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSIKI KAISHA ; HONDA MOTOR CO

Inventor(s):^(std): CHIIHIKO SASAKI ; KOJI OKAMOTO ; MIYAMOTO SHIRO ; OKAMOTO KOJI ; SASAKI CHIIHIKO ; SASAKI TOMOHIKO ; SHIRO MIYAMOTO ; YAMAGUCHI TAKAFUMI ; YAMAGUCHI YOSHIFUMI ; YOSHIFUMI YAMAGUCHI

Inventor(s): TAKAFUMI YAMAGUCHI ; TOMOHIKO SASAKI

Agent(s): JAIME EDUARDO DELGADO VILLEGAS

International class [B62J B62J6/00 B62J6/04 F21S8/10 F21V5/04](#) (Advanced/Invention) ;
(IPC 8-9) : [F21W101/14 F21Y101/02](#) (Advanced/Non-invention)

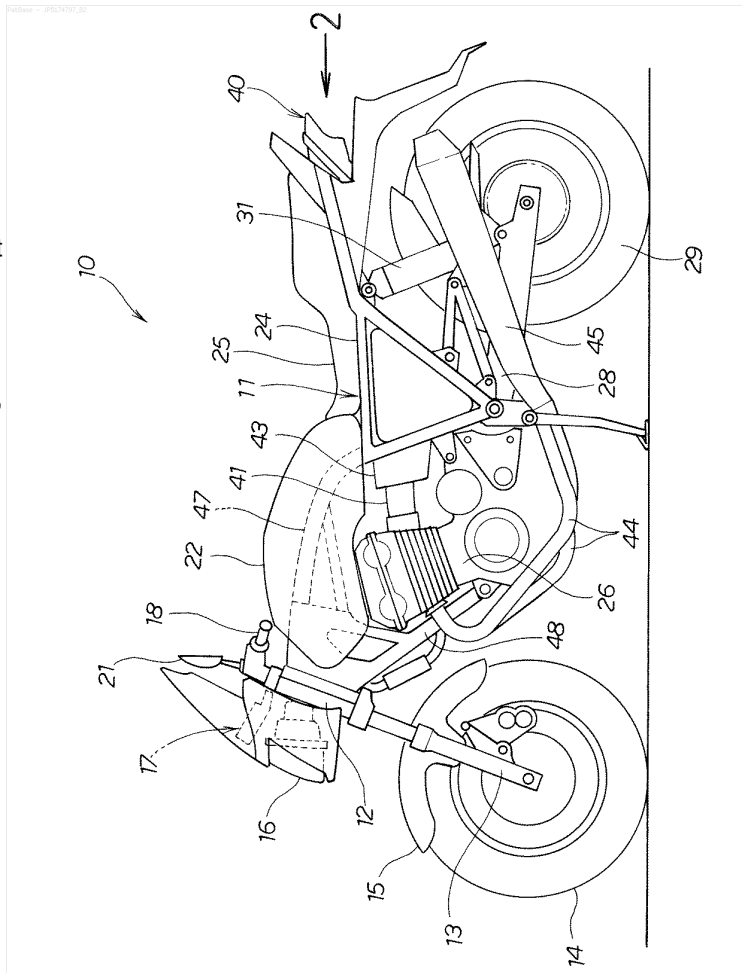
International class [F21S8/10](#)
(IPC 1-7) :

[Classification Explorer](#)

Cited documents: US5658072 A, JPS63116301, JP8124407 A2, JP63116301 A2, JP63116301, JP6031003 U1, JP2006222029 A2, JP2006222029, JP2006131084 A2, JP2006131084, JP2003229005 A2, JP2003229005, JP2003187611 A2, JP0631003 U, CN1760077 A, CN1191820 A,

Abstract:

Source: JP2011121510A PROBLEM TO BE SOLVED: To provide a miniaturized rear lamp, while securing visibility. SOLUTION: This rear lamp 40 of a motorcycle is arranged in a rear part of a vehicle, and is provided for performing the tail lamp function of turning on by switch operation and the stop lamp function of turning on in braking by a common light source 50, and is characterized in that the light from the light source 50 is refracted by a lens 75, and this lens 75 is formed by applying a lens cut different between an upper part 55 and a lower part 53 so that any one of the upper part 55 and the lower part 53 is visible lighter than the other. Since the cut is different, any one of the upper part 55 and the lower part 53 is visible lighter than the other. By dividing lightness—darkness, the rear lamp 40 can be made conspicuous, and high visibility can be provided. The common light source 50 is used for the tail lamp function and the stop lamp function. The rear lamp can be miniaturized more than when separating these light sources 50.



10) Family number: 20567645 (GB820216A)

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Title: Improvements in caravans
Priority: GB19560013532 19560502

Family:	Publication number	Publication date	Application number	Application date
	<u>GB820216 A</u>	19590916	GB19560013532	19560502

Probable Assignee: SURREY SIDECARS LTD

Assignee(s):^(std): ROBERT BERNARD HANSFORD ; SURREY SIDECARS LTD

Assignee(s): SURREY SIDECARS LIMITED

Inventor(s):^(std): HANSFORD ROBERT BERNARD ; SMITH GEORGE LEWIS

International class B62K27/02 (Advanced/Invention)
 (IPC 8-9):

International class B60P3/34
 (IPC 1-7):

CPC: B62K27/00 B62K27/04

European class: B62K27/00 B62K27/02 B62K27/04

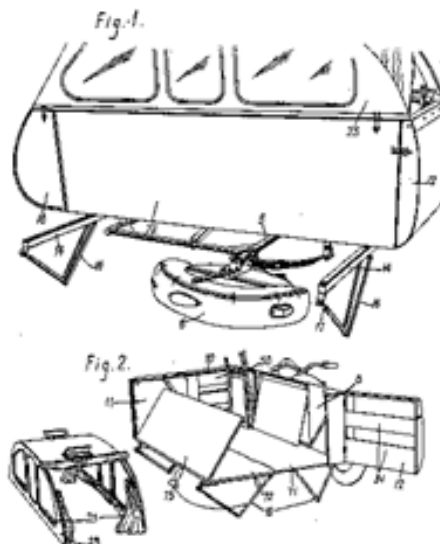
[Classification Explorer](#)

Forward Citations: GB2131753,

Abstract:

Source: GB820216A 820,216. Side-car caravans; rest bars; stub axles. SURREY SIDECARS Ltd., and HANSFORD, R. B. July 24, 1957 [May 2, 1956], No. 13532/56. Classes 108(1) and 108(2) A motor cycle side-car which may be expanded to form a caravan, comprises hinged panels 71, 72, 73 which form the side-car floor and near side but which may be unfolded to provide floor panels 71, 72 and a side panel 73, an end door 12 which may co-operate with a separate panel 13 to form a rear wall, a nose section 10 which together with a pivoted panel 11 may form the front wall, and a roof section which may be raised on telescopic rods 22. The space between the raised roof and the lower body panels is closed by unrolling canvas covers 25. In a modification the panel 73 may be pivoted down to act as a floor panel and additional awnings are provided. A cupboard and shelves and a folding table may be provided within the body panels. Rest bars. The caravan is supported on removable transverse members 14 provided with V-shaped pivoted elements 16 one of which embodies an adjusting screw 17. Movable stub axle. The wheel 6, Fig. 4, is mounted on a stub axle 64 contained in a bracket 61 pivoted about a pin 62 to the side-car chassis 5. In the travelling position the bracket 61 is held vertically by a bolt 67 passed through holes 63 and 66.

PatBase - GB820216_A



11) Family number: 15251193 (WO0073592A1)

© PatBase

Title: DRIVEN LIQUID–CLEANING DEVICE FOR RAILTRACK GROOVES
Priority: AT19990000978 19990601 EP20000938735 20000601 WO2000EP05065 20000601
Family:

Publication number	Publication date	Application number	Application date
AT251257 E	20031015	AT20000938735T	20000601
AT410810 B	20030825	AT19990000978	19990601
AT97899 A	20021215	AT19990000978	19990601
AU200054006 A5	20001218	AU20000054006D	20000601
DE50003912 D1	20031106	DE20005003912	20000601
EP1185739 A1	20020313	EP20000938735	20000601
EP1185739 B1	20031001	EP20000938735	20000601
ES2208344 T3	20040616	ES20000938735T	20000601
HU0202748 AB	20021228	HU20020002748	20000601
PL207280 B1	20101130	PL20000352965	20000601
PL352965 A1	20030922	PL20000352965	20000601
WO0073592 A1	20001207	WO2000EP05065	20000601

Probable Assignee: FLORIANER BAHN FORSCHUNGS U

Assignee(s):^(std): FLORIANER BAHN FORSCHUNGS AND ERRICHTUNGSGESELLSCHAFT MBH ;
 FLORIANER BAHN FORSCHUNGS U ; FLORIANER BAHN FORSCHUNGS U
 ERRICHTUNGSGESELLSC ; FLORIANER BAHN FORSCHUNGS U
 ERRICHTUNGSGESELLSCHAFT M B H ; HILLBRAND GEORG

Assignee(s): FLORIANER BAHN FORSCHUNGS UND ERRICHTUNGSGESELLSCH ; FLORIANER
 BAHN FORSCHUNGS UND ERRICHTUNGSGESELLSCHAFT M B H ST FLORIAN ;
 FLORIANER BAHN FORSCHUNGS U ERRICHTUNGSGESELLSCHAFT MBH ;
 FLORIANER BAHN FORSCHUNGS U ERRICHTUNGSGESELLSCHAF

Inventor(s):^(std): HILLBRAND ; HILLBRAND GEORG ; HILLBRAND GEORG ING

Inventor(s): GEORG HILLBRAND

Designated states: AM AT AU AZ BE BG BR BY CA CH CN CY CZ DE DK ES FI FR GB GR HR HU ID IE IL
 IT JP KG KR KZ LI LU MC MD MK MX NL NO NZ PL PT RO RU SE SG SI SK TJ TM TR
 UA US UZ VN YU ZA

International class [E01H8/12](#) (Advanced/Invention) ;
^{(IPC 8–9):} [E01H8/00](#) (Core/Invention)

International class [E01H8/10](#) [E01H8/12](#)
^{(IPC 1–7):}

CPC: [E01H8/125](#)

European class: [E01H8/12B](#)

[Classification Explorer](#)

Cited documents: WO9920843 A1, FR2628457 A1, DE4343487 A1,

Forward Citations: FR2999621, DE102004013718, CN102912758, CN102912757, CN102912757,
 CN102912757, CN102900048, CN102900048,

Abstract:

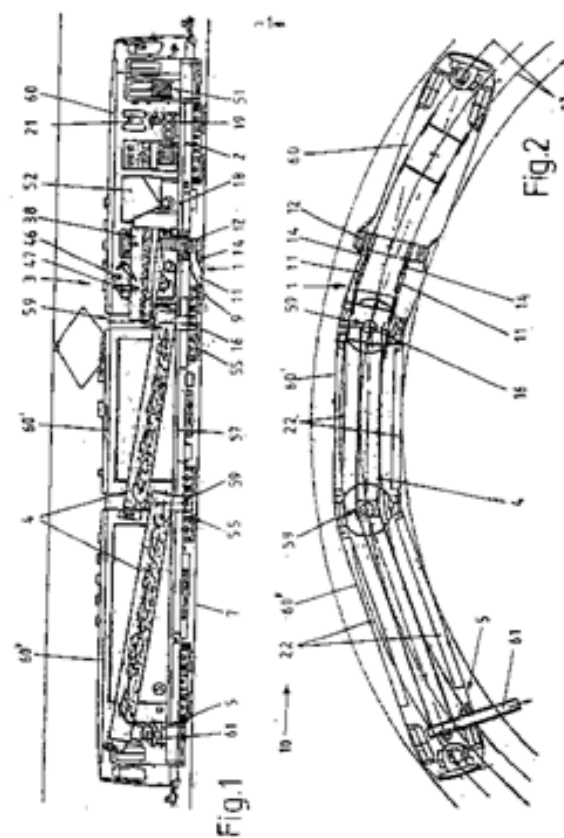
The invention relates to a driven liquid-cleaning device for the railtrack grooves of tram rails, comprising a cleaning unit (1). A pressure-generating device (2) is located upstream and a separating unit (3) for the dirt mixture from the groove is situated downstream of said cleaning unit. A driven dirt-storage unit (4) and a dirt-discharge unit (5) for the dirt from the groove which has been separated, are arranged downstream of the separating unit. The cleaning unit (1) consists of a high-pressure jet device (9), a guide chute (11) and a bag conveyer (12) and is guided by two front and two rear flange wheels (14, 15) along a rail (17) which runs parallel to the railtrack (7). The height of the cleaning unit can be adjusted. The pressure-generating device (2), mounted upstream of the separating unit (3), a fine-filtration or decantation device (21) and a cleaning-fluid storage unit (22) are mounted on the carriage chassis (18).

PatBase - W00073592_A1

WD 00/73592

1 / 3

PCT/EP00/06048



12) Family number: 34894143 (WO07081519A2)

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Title: GENIUS ADAPTIVE DESIGN

Priority: AU20060335151 20061219 AU20130200386 20130125 US20050755291P 20051230
 US20060756607P 20060105 US20060778313P 20060301 US20060783018P 20060315
 WO2006US48704 20061219 US20060786906P 20060328 US20060852794P 20061018

Family:	Publication number	Publication date	Application number	Application date
	AP200804559 A0	20080831	AP20080004559	20061219
	AU2006335151 AA	20070719	AU20060335151	20061219
	AU2013200386 AA	20130221	AU20130200386	20130125
	CA2635954 AA	20080630	CA20062635954	20061219
	CO6160255 A2	20100520	CO20080079355	20080731
	EP2059899 A2	20090520	EP20060849217	20061219
	EP2059899 A4	20120704	EP20060849217	20061219
	IL192465 A0	20090922	IL20060192465	20061219
	IN06638DN2008 A	20100507	IN2008DN06638	20080730
	JP2009522654 T2	20090611	JP20080548620T	20061219
	KR20080112193 A	20081224	KR20087018774	20080730
	KR20130124572 A	20131114	KR20137024611	20061219
	MX2008008625 A1	20090107	MX20080008625	20061219
	NZ570109 A	20110826	NZ20060570109	20061219
	WO07081519 A2	20070719	WO2006US48704	20061219
	WO07081519 C1	20080612	WO2006US48704	20061219

Probable Assignee: INNOVATION INST LLC**Assignee(s):^(std):** CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS**Assignee(s):** WORLD CHARITY DIVISION LICENSELTTODAY COM LLC ; INNOVATION INSTITUTE LLC**Inventor(s):^(std):** CABINALLA LINDA ; KAYS STEVEN**Inventor(s):** STEVEN KAYS**Agent(s):** SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

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 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 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

International class [E06B7/32](#) [G06F17/00](#) [G06F17/30](#) [G06Q](#) [G06Q10/00](#) [G06Q30/00](#) (Advanced/Invention)
 (IPC 8-9):

International class [G06Q30/00](#)
 (IPC 1-7):

CPC: [G06Q10/10](#) [G06F17/30](#) [G06Q30/0601](#)**European class:** [G06Q10/10](#)[Classification Explorer](#)

Forward Citations: WO13144220, WO10091514, US9077848, US9067140, US9051886, US8976218, US8918083, US8878043, US8771064, US8666891, US8594721, US8332918, US8332395, US8244558, US8224375, US8219424, US7917417, US2009187429,

Abstract:

Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

PatBase - W007081519_A2

WD 3007081519

PCT/US2005/018704

==== FIGURATIVE DRAWINGS SECTION =====

PLEASE REMAIN OPEN MINDED & PATIENT WHILE WE IMPROVE OUR NOVEL
WAY OF CREATING FIGURATIVE DRAWINGS

FIGURATIVE DRAWINGS TABLE OF CONTENTS:

Adaptive Design Drawings #1, #2, #3.

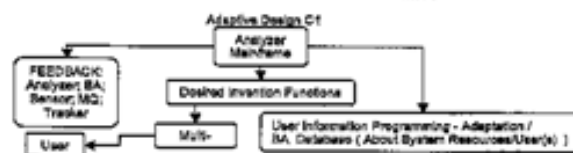
DCS Series Drawings: Originated in the early 1990's the following files were connected by way of dots in DCS:

Files: 1SD, 1CD, 2SD, 3CD, 5SD, 6SD, 7SD, 87.

Features: Simplified Figurative Drawings - S1 Series

Note, other drawings are currently listed elsewhere in this application as it helps to better understand this application. For now, they can be identified by the page and line number. The codes used in these drawings are explained in the Introduction's Figurative Drawings file. Thank you for your patience as we set up our huge system. For updates and other information kindly visit us at www.LicenseItToday.com.

ADAPTIVE DESIGN FIGURATIVE DRAWINGS



1/22

13) Family number: 16953454 (DE29713764U1)

© PatBase

Title: Schmutzfaenger, Kombi–Radabdeckung mit Spritzwasser–Auffaenger–Sammler–Extra–Stopper–Umleiter einstellbar, keilfoermig, gewoelbt mit Staeben, Stegen, umkehrende Boegen, wellenfoermig, integrierte Rohrhalterung, ein– und ausfahrbar mit Perforierung und reflektierend Mud, combined with Fender Splash–interceptors–gatherer adjustable diverter extra–stopper, wedge–shaped, arched rods, bars, reversing arches, wavy, integrated conduit holder, extended and retracted with Perforierung and reflective (Machine translation)

Priority: DE19972013764U 19970801

Family:	Publication number	Publication date	Application number	Application date
	<u>DE29713764 U1</u>	19980416	DE19972013764U	19970801

Probable Assignee: LUTZENBERGER HELMUT

Assignee(s):^(std) LUTZENBERGER HELMUT ; RAEDLER THOMAS

Assignee(s): RAEDLER THOMAS 88167 STIEFENHOFEN DE ; LUTZENBERGER HELMUT GUEIMAR TENERIFFA ES

International class
(IPC 8–9): B62D25/16 B62D25/18 (Advanced/Invention);
B62D25/16 (Core/Invention)

International class
(IPC 1–7): B62D25/16

CPC: B62D25/16 B62D25/18

European class: B62D25/16 B62D25/18

[Classification Explorer](#)

Forward Citations: DE102011113625, DE102011113625, DE102004004052,

Abstract:

Source: DE29713764U1 (Claim 1)

Schutzansprüche: – (*r greater than* Radabdeckung mit Schmutzfaenger (1) als Sprueh- oder Schmutzwasser- Auffaenger – Sam m ler –Stopper(18)– Umleiter mit dosierter Ab- und Ausleitung– (2) ein- oder nachstellbaren (4)Schmut-faenger– B erreichen an der allgemeinen Befestigung durch Schlitz– Lang– oder Mehrloch–,Raster– System (3) – mit nach Innen und zugleich nach Unten und Hinten verlaufenden, etwaskonisch – keilartig – und am Rad sowie in der Innenflaeche gewoelbt verlaufendes Profil (5) – mit ebenso Innen angepasstem, angebrachtem, angeformten Spruehwasser – Umleitungs– Staebenoder Stegen, (6) – die ebenso oben umkehrende Bogen oder wie wellenfoermig, stoppend und auffangend geformt sind– mit nach Unten ableitende Verformungen, (7) – die eine gezielte Sprueh– Schmutzwasser– F ue hrung zur Innen– und Unterseite des Fahrzeugs haben – und als Waben– Hohlprofil oder Koerper, nach Unten oder zur Innense i t e (l 1) wie die Stege fuehrend – im Innern der Waben, den Schmutzfaenger Aussen stabil haltend – und im Innern und Unteren Bereich etwas nach Hinten biegender nachgebend,– die Schmutz– Spruehwasserfuehrungsbesser und gezielter ableitet – zu einem Extra–Aus– und Ablauf mit integriertem Erdungsband(22) – Aus– und Ablauf nach Unten zugleich Innenseite fuehrend.

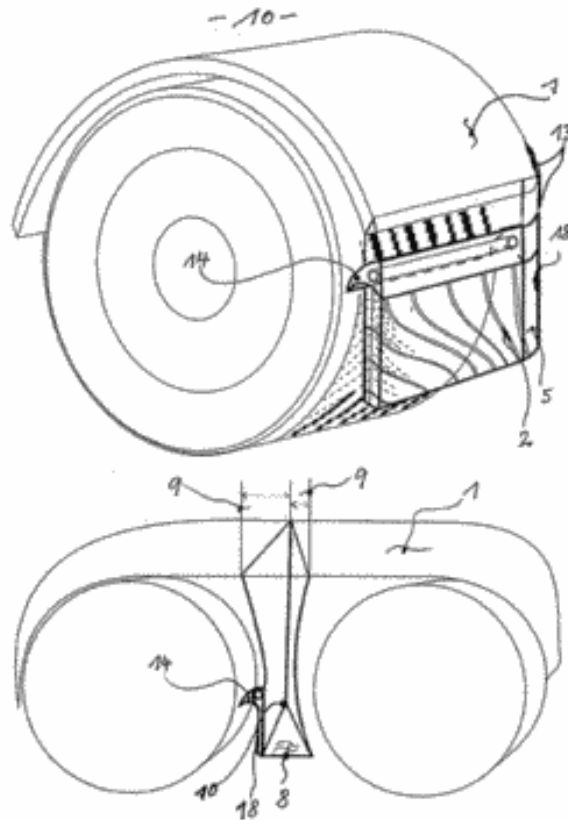
Machine translation: (Claim 1)

Schutzansprüche: – (*r greater than* fender with Mud (1) as a spray or Wastewater Interceptor – Sam m learn stopper (18) – Starting with regulated diverters and diversion– (2) one–or adjustable (4)

Schmut–capture FIELD in the general location by slot–long or multi–hole, latch system (3) – with inward and simultaneously downward and backward running, etwaskonisch – wedge–shaped – and on the wheel and in the Innenflaeche vaulted extending profile (5) – with just as women adapted, attached, molded spray – redirection Staebenoder bars, (6) – the same top–reversing arc or as wavy, molded stopping und auffangend are– Down with dissipative deformations, (7) – the one–gezielte Sprueh Wastewater F ue currency for internal and underside of the vehicle have – and ite als Waben–hollow body, or, down or to Innense (l 1) as the webs leader – in the inner core of the honeycomb, the Mud Outdoor stable entertaining – and inside und Unteren area slightly curving tilts backwards – the dirt–Spruehwasserfuehrungsbesser and derives targeted – for an extra stop and expiration with integral ground strap (22) – From – both inside and drain downward Leading.

PatBase - DE29713764_U1

09.03.98



14) Family number: 52131272 (TWD149624S)

© PatBase

Title: Electric car (e) (Machine translation)**Family:**

Publication number	Publication date	Application number	Application date
<u>TWD149624 S1</u>	20121011	TW20110302745F	20110602

Locarno class: 12/11**Cited documents:** TWD144487, TWD134527, KR3004363860000, JPD1210712, CN3291561, CN301012274,**Abstract:**

Source: TWD149624S

Machine translation: [Item purposes]; electric cars the creative department to provide a means of transport used.; Creation characteristics; the creation of the Department to provide a novel design of an "electric car (e)", please refer to the drawings shown in the creation of "electric car (e)" before the bodywork and related components contain convergence in bodywork, front, seat cushion, front wheel, rear wheel, and mud addition to the overall configuration and styling design; view by the front view, the front lines was a helmet-like head shape, and bilaterally symmetrical handle the Diamond cone seat like housing in front of the Central Department to smaller contour of the neck, between the front and the front bodywork of convergence, the front surface of the body is composed of a symmetrical curve of the shoulder, chest, abdomen and lower side edge the shoulder above the slightly convex shape, shell plate with elongated diamond-shaped sheet of the chest, and the shell plate protruding into line, the abdomen has a slightly V-shaped headlights, two side of the abdomen form a curved flange, and has a slightly rhombic one direction lights between the headlights and side flange, respectively, of the abdomen in the headlights below to form a U-shaped curve, below the front body based rod of two front fork and front wheel group then, between the two front fork has a helmet-shaped addition to the mud, the mud in addition to the two sides of a reflective piece as if one of the bird's eye; by the side view of the concept of the system of the vehicle in front the intermediate concave below the convex side panels together to form the bottom of the front body mud profit in line with the front wheels to default curvature extends the front bodywork below the rear bodywork between the Department has a platform convergence, the platform formed recess treading space by the front of the convex portion, the intermediate platform surface and a rear concave portion together form, respectively, between the front and rear carbody and platform with the formation of the dichroic; the rear vehicle body respectively having two side the car plates extending rearward obliquely upward. group setting, combined with the upward tilt like the armrest of the rear body tail of the rear bodywork has a cushion above the middle of the car plate was protruding like the car plate is divided into upper, two car plates and car plates beneath the has a shield between the platform extends the shield features was fin-shaped gas tank, and the cushion, car plate guard dichroism with the formation; aftercarriage below is based on the two rod-shaped fork rear wheel set is connected to the second side of the rear wheels is provided with a cap, respectively, and towards the rear of the cover-based bodywork direction extending fin-shaped is formed, and on the tail of the rear body extending obliquely downward has a fender; by the rear view of the concept of second order like the



Gap between the level of the front body after car lanes, the tail car plate system aftercarriage up extending and convergence in a tapered shape, inverted triangle shape of lamps in the convergence of the lamps above the sides of the arc of lines extending, should the rear body tail above the two sides of the symmetrical shape of the handrail was bird wings between the armrest and rear body to form a hollow part of a long plate in the bottom of the lamp towards the gradual reduction of the mud of the bottom width in addition to, and again in the mud In addition to the top of the two side extension has a direction lights, the direction lights, elongated cone and horizontal settings; perspective top view of the head of the front body, chest, headlight and fender system was the the cone seat like the level rendered slightly concave, the two sides of the middle part of the platform, the rear body and cushion together to form the rounded shape of the seat body, and is located in the after The bodywork tail handrails Department slightly the M font settings.; Overall view of the front bodywork, front, front wheels and other parts together form like warrior armor modeling in the future, with the middle of the large headlights set, showing the mighty and majestic state like the bottom of the front body to greater distance toward after bodywork convergence, with the rear body highly skewed to the upwardly extending car plate shape, showing a sense of scientific and technological developments, the overall presentation of a simple and neat style and sense of technology, visual perception, and not found in the pre-application publication or public use, in line with the elements of the new design patent application, the Yuan by law to apply.

15) Family number: 12696804 (US5882058A)

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Title: Modular cargo anchoring and protection system for pickup trucks

Priority: CA19962178224 19960607 CA19992281250 19990827 US19970807752 19970227
 US19980104188 19980625 CA19992287131 19991019 CA19992282057 19990909
 US19980152200 19980914 US19980143391 19980828 US19980176089 19981021

Family:	Publication number	Publication date	Application number	Application date
	<u>CA2178224 AA</u>	19960707	CA19962178224	19960607
	<u>CA2178224 C</u>	20001031	CA19962178224	19960607
	<u>CA2281250 AA</u>	20000228	CA19992281250	19990827
	<u>CA2282057 AA</u>	20000314	CA19992282057	19990909
	<u>CA2287131 AA</u>	20000421	CA19992287131	19991019
	<u>US5882058 A</u>	19990316	US19970807752	19970227
	<u>US5921603 A</u>	19990713	US19980104188	19980625
	<u>US6152513 A</u>	20001128	US19980152200	19980914
	<u>US6170897 BA</u>	20010109	US19980176089	19981021
	<u>US6203078 BA</u>	20010320	US19980143391	19980828

Probable Assignee: KARRER ROBERT B

Assignee(s):^(std): KARRER ROBERT B

Inventor(s):^(std): KARRER ROBERT B

International class
 (IPC 8-9): B60D1/14 B60P1/54 B60P3/40 B60P7/02 B60P7/06 B60P7/08 B60P7/12 B60P7/135 B60P7/15 B60R11/00 B60R11/06 B60R13/01 B60R19/12 B60R19/24 B60R19/48 B62D27/06 B62D33/00 B62D33/04 (Advanced/Invention);
B60R21/13 (Advanced/Non-invention)

International class
 (IPC 1-7): B60P7/02 B60P7/06 B60P7/08 B60P7/12 B60R13/01 B60R19/12 B60R19/24 B60R19/48 B60R9/00 B62D27/06 B62D33/00 B62D33/04

CPC: B60P1/54 B60P1/548 B60P3/40 B60P7/08 B60P7/135 B60P7/15 B60R11/00 B60R11/06 B60R13/01 B60R19/48 B60R21/13 B60J7/141 B60P7/0815 B60R9/00

European class: B60J7/14B B60P1/54 B60P1/54C4 B60P3/40 B60P7/08 B60P7/08A3 B60P7/135 B60P7/15 B60R11/00 B60R11/06 B60R13/01 B60R19/48 B60R9/00 L60R19/48 L60R21/13

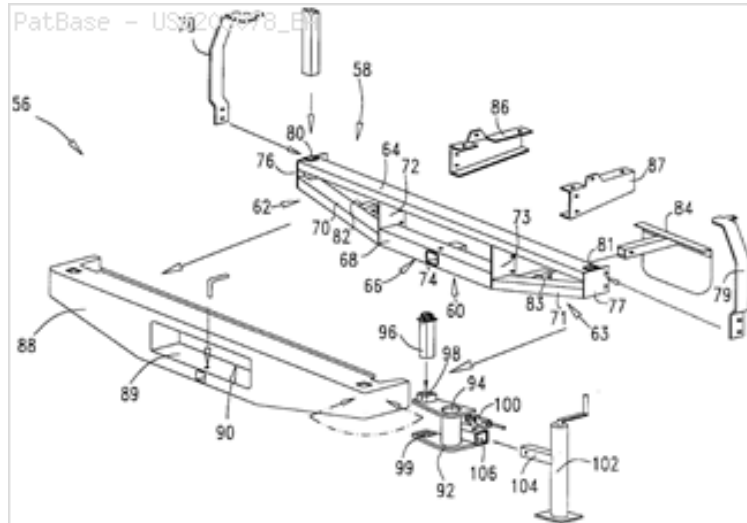
US class: 224/404 280/748 293/111.1 293/114 293/117 293/146 296/100.01 296/100.06 296/100.17 296/100.18 296/37.6 296/39.2

[Classification Explorer](#)

Cited documents: US5882058 A, US5615922 A, US5584521 A, US5494327 A, US5480206 A, US5470120 A, US5454612 A, US5419602 A, US5393114 A, US5263761 A, US5228736 A, US5154478 A, US5150940 A, US5139296 A, US5127701 A, US5102180 A, US5052739 A, US5037153 A, US4969784 A, US4961604 A, US4958876 A, US4944612 A, US4936724 A, US4738464 A, US4735448 A, US4635983 A, US4575146 A, US4547014 A, US4522326 A, US4419038 A, US4029354 A, US3954296 A, US3912325 A, US3858924 A, US1487105 A, CA2029620 AA, CA1330572,

Forward Citations: WO09014526, WO03099639, WO03099639, USD478858, USD446181, US9592853, US9434421, US9393854, US9260139, US9227675, US9120413, US9056542, US9045069, US8864198, US8857887, US8857125, US8827344, US8596708, US8567843, US8505998, US8480154, US8439423, US8328267, US8322763, US8317252, US8210582, US8205717, US8167353, US8083281, US8033591, US7992916, US7971896, US7862269, US7819453, US7815239, US7703826, US7621582, US7549380, US7544032, US7506913, US7503737, US7472941, US7192007, US7147417, US7147417, US7104586, US7066524, US7066523, US7052071, US7014400, US6983977, US6974170, US6883855, US6883848, US6854400, US6851738, US6827385, US6746047, US6742973, US6742825, US6672644, US6641200, US6607234, US6588825, US6578904, US6557917, US6543835, US6533344, US6520723, US6474708, US6340106, US6315514, US6183035, US6170897, US6152513, US6135527, US6082806, US2015001877,

Source: US5882058A A cargo anchoring and protection system particularly is provided for pickup trucks. The system includes six basic contributing components that operate individually or together to multiply their usefulness. These include: a pair of extruded anchor rails are provided to be removably attached to the top surface of the truck bed side walls; a bed liner with an optional separate floor section; a universal anchor beam; a cab guard with optional cargo access doors; a cargo bed enclosure; and a rear bumper.



16) Family number: 52407950 (TWD150202S)

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Title: Electric car (d) (Machine translation)**Family:**

Publication number	Publication date	Application number	Application date
TWD150202 S1	20121111	TW20110302254F	20110510

Locarno class: 12/11**Cited documents:** TWD138949, TWD129323, KR3004514460000, KR3003911420000,**Abstract:**

Source: TWD150202S

Machine translation: [Articles purposes]; electric cars of the creative department to provide a means of transport used.; The creation characteristics; the creation of the Department of an electric car (d) novel design, please refer to the drawings shown to the creation of "electric car (d)" for the bodywork and related components contains before and after convergence the overall configuration of the bodywork, front, seat cushion, front wheel, rear wheel and fender and styling design; slightly V-shaped head shape, and bilaterally symmetrical handle view by the front view, the front of the line, Department to smaller contours of the neck of convergence between the head and front body, front body surface symmetrical curve of the shoulder, chest, abdomen, and the bottom of both sides of the edge column, and the front bodywork with both sides between the edge of the column system with two-color combination of the chest with the through hole slightly V-shaped and symmetrical on both sides of the chest with complex chest line extending toward the abdomen, the abdomen with was the bullions like the lamps in lighting below to form a U-shaped smile curve; between both sides of the edge of the column with the mud like a beak-like addition to the mud in addition to features like a birds eye one reflective piece on both sides and the bottom of the car body based rod fork and front wheel group before then; side view perspective, the bottom of the front body mud in addition to in line with the wheel to preset curvature extends to the middle of the front body formed prominent like the front bodywork below the rear bodywork between the Department of convergence, having a platform and the platform is formed in the recessed portion of the tread space, by the front of the recessed portion, the intermediate platform surface and the rear convex portion, together form, respectively to the three-color between before and after the vehicle body with the platform with the formation; side of the aftercarriage two, respectively strategy of upward tilt of the shelf group located in the rear car plate was curved arc extending upward, combined aftercarriage below aftercarriage has showed a cyclone-like cover, and the rear body and cover, respectively dichroism combined with; below aftercarriage is then fork after two rod-shaped rear wheels group, on both sides of the rear and on the cover is one of the forked frame group connected to the rear wheels beneath aftercarriage; by rear view perspective the front body takes the shape of the level of the rear car divide the party in the second-order like,



after aftercarriage, with side car plate dichroism with combined the after party aftercarriage Central with deep below the seat unit and set hollow parts, presents flat on both sides was a sharp cone-shaped lights in the seat, the seat of the Ministry of the top of the shelf circumference located was a fence-like.; Overall view of the front bodywork, front, front wheels like a lightweight bird body styling parts together form, showing graceful dexterity of the state like the bottom of the front body with greater distance toward convergence with the rear bodywork car body sides of upward curved arc the tilt of car plate shape, showing a flexible and dynamic sense, the overall presentation of a simple and neat style and sense of technology's visual experience, and prior to the application is not found in the publication or public use, in line with the new design patent applications Elements, Yuan application is made in accordance with the law.

Title: MOTORCYCLE RIDER HEATER**Priority:** AU20140280989 20141231 AU20140900085 20140110

Family:	Publication number	Publication date	Application number	Application date
	AU2014280989 AA	20150730	AU20140280989	20141231

Probable Assignee: FRANCIS PATRICK**Assignee(s):^(std):** FRANCIS PATRICK**Assignee(s):** FRANCIS PATRICK WALTER MR**Inventor(s):^(std):** FRANCIS PATRICK WALTER**Agent(s):** FRANCIS PATRICK WALTER MR**International class** B62J17/00 B62J33/00 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Forward Citations:** CN105128994,**Abstract:**

Source: AU2014280989A MOTORCYCLE RIDER HEATER A contraption consisting of a ducting system with an inlet collector flute located over a heat source such as the exhaust pipe with the inlet collector flute facing forward into the wind in the direction of forward movement of the motorcycle and easily adapted to a car which pushes air over the hot exhaust and into the inlet collector flute to cause a higher pressure in the inlet collector flute and the inlet collector flute being connected to a control valve for purposes of regulating air flow and the control valve in turn being connected to ducting leading to outlets located forward of the rider on the fairing of the motorcycle behind a deflector which by nature of venturi effect, creates a lower pressure at the outlets which then allows air heated by the exhaust at the inlet collector flute of the contraption to flow to the outlets with no assistance other than the dynamics of differential pressure, where air flows from high to low pressure thereby delivering heated air to selected areas forward of the rider to warm the rider. \$o3 K4 2' I ~-". ____~t 4~ I~ 4fl: - C ~4ss{4 / I \$'~ t 4-, '\$4 4' / U ~fizKi ~' V K/>4 40ss / 1 4 'tn /4'2.4 7' 7 '.4 -t f "'N '-4" k ~\ 4 "'0'. '\$4 / K 4 4 I FIGS 'fl5

PatBase - AU2014280989_AA

2014280989 31 Dec 2014

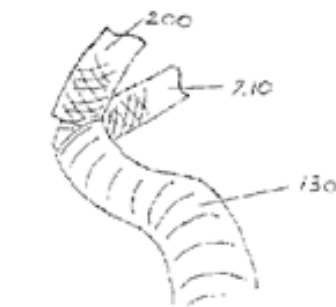
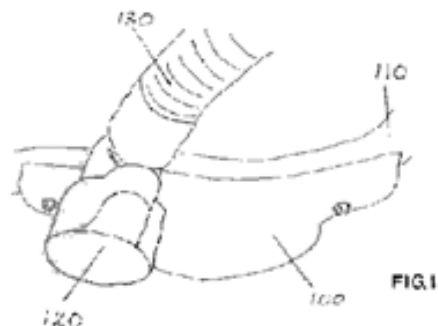


FIG 2

18) Family number: 32297553 (JP2005225649A)

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Title: LOADING VEHICLE
Priority: JP20040037806 20040216

Family:	Publication number	Publication date	Application number	Application date
	<u>JP2005225649 A2</u>	20050825	JP20040037806	20040216

Probable Assignee: TCM CORP

Assignee(s):^(std): TCM CORP

Inventor(s):^(std): TERAJIMA TOSHIHIKO

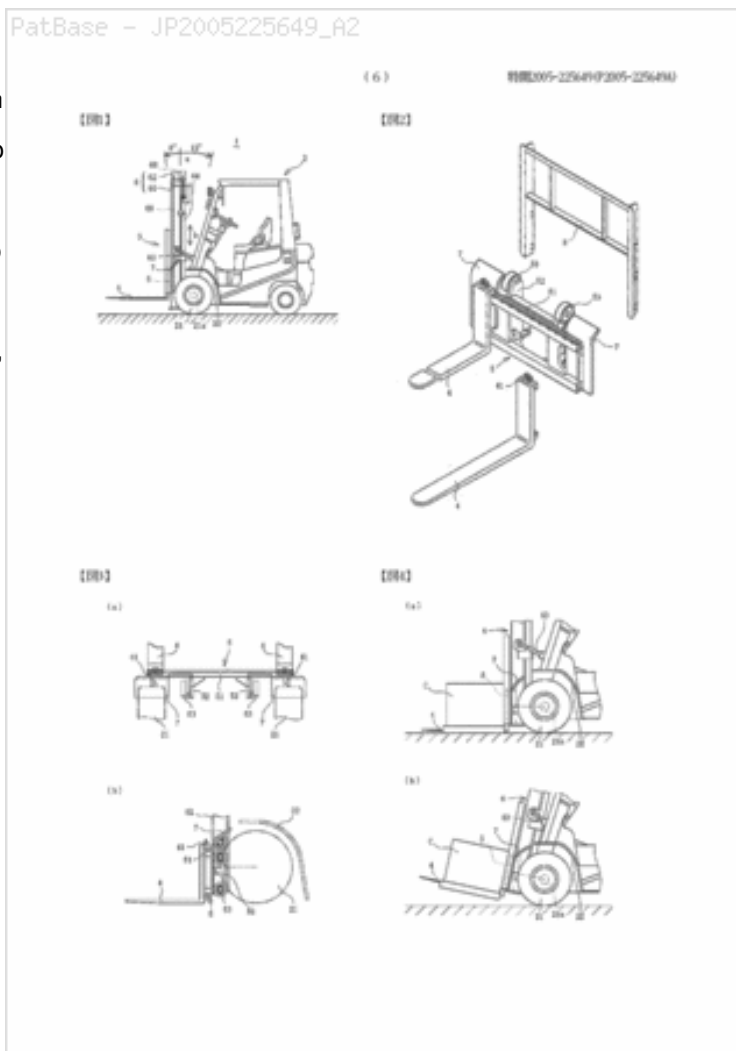
International class
 (IPC 8-9): B66F9/075 B66F9/08 (Advanced/Invention);
B66F9/075 B66F9/08 (Core/Invention)

International class
 (IPC 1-7): B66F9/075 B66F9/08

[Classification Explorer](#)

Abstract:

Source: JP2005225649A PROBLEM TO BE SOLVED: To prevent the generation of interference of a fender with front wheels when a mast is tilted, and to prevent splash of mud scattered by the front wheels to a loaded cargo to be loaded. SOLUTION: In this loading vehicle 1, the fender 7 for covering a front part of the front wheel 21 is fitted to a lift bracket 5 freely to tilt forward and backward in relation to a car body 2. When the mast 6 is tilted around an axis 21a of the front wheel 21, the fender 7 is tilted with the mast 6, while keeping the predetermined interval from the front wheel 21, to prevent the generation of interference of the fender 7 with the front wheel 21. Since a front part of the front wheel 21 can be covered by the fender 7, splash of the mud scattered by the front wheel 21 to a load placed on a fork 4 is prevented.



0) FR2912929A – ELECTRICAL MINIATURE CAR FOR TRANSPORTING INFAN...

19) Family number: 42124584 (FR2912929A)

© PatBase

Title: ELECTRICAL MINIATURE CAR FOR TRANSPORTING INFANTS, HAS BUTTONS FOR SWITCHING CONTROL OF CAR BETWEEN INFANT AND OPERATOR, STOPPING CAR, PERFORMING FORWARD/REVERSE GEAR OPERATION AND STARTING/STOPPING REMOTE CONTROL, RESPECTIVELY

Priority: FR20070001455 20070228

Family:	Publication number	Publication date	Application number	Application date
	<u>FR2912929 A1</u>	20080829	FR20070001455	20070228

Probable Assignee: MAHTALI NOUREDDINE

Assignee(s):^(std): MAHTALI NOUREDDINE

Assignee(s): NOUREDDINE MAHTALI

Inventor(s):^(std): MAHTALI NOUREDDINE

Inventor(s): NOUREDDINE MAHTALI

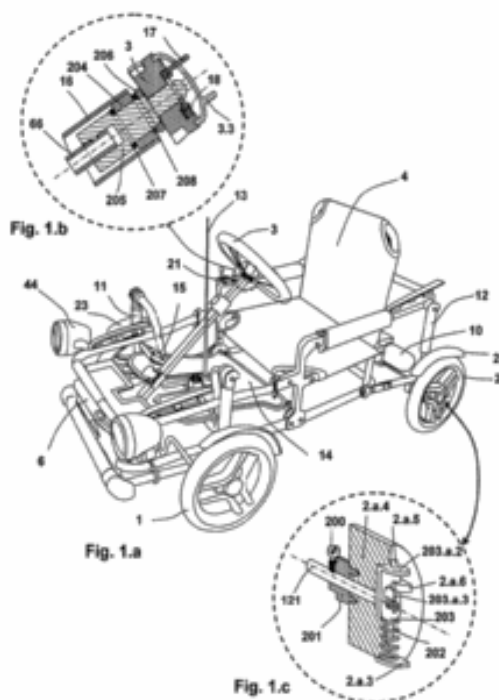
Agent(s): NOUREDDINE MAHTALI

International class A63H17/00 A63H30/04 (Advanced/Invention);
(IPC 8-9): A63H17/00 A63H30/00 (Core/Invention)

CPC: B62K9/00

European class: B62K9/00

[Classification Explorer](#)



20) Family number: 8990034 (US5214363A)

© PatBase

Title: REMOTE ELECTRICAL STEERING SYSTEM WITH FAULT PROTECTION
Priority: US19900602430 19901022 US19930065125 19930520 WO1991US07846 19911017
Family:

Publication number	Publication date	Application number	Application date
CA2092531 AA	19930325	CA19912092531	19911017
CA2092531 C	20010313	CA19912092531	19911017
DE69116165 D1	19960215	DE19916016165	19911017
DE69116165 T2	19961010	DE19916016165T	19911017
EP0554387 A1	19930811	EP19910920656	19911017
EP0554387 A4	19930614	EP19910920656	19911017
EP0554387 B1	19960103	EP19910920656	19911017
JP6506887 T2	19940804	JP19910518613T	19911017
US5214363 A	19930525	US19900602430	19901022
US5361024 A	19941101	US19930065125	19930520
WO9206891 A1	19920430	WO1991US07846	19911017

Probable Assignee: SYNCRO CORP

Assignee(s):^(std): SYNCRO CORP ; BABCOCK IND INC ; BABCOCK IND INC WHOLLY OWNED S ; SYNCRO CORP AND BABCOCK IND INC

Assignee(s): SYNCRO CORP ARAB ALA US ; WISNER GARY EUGENE ; BABCOCK IND INC WHOLLY OWNED SUBSIDIARY ACC ; BABCOCK IND INC WHOLLY OWNED SUBSIDIARY ACCO CONTROLS GROUP INDUSTRIAL CONTROLS ; SYNCRO AND BABCOCK IND INC CORP ; BABCOCK IND INC WHOLLY OWNED SUBSIDIARY ACCO CONTROLS GROUP INDUSTRIAL CONTROLS MILAN TENN US ; HARRINGTON CHARLES WILLETT ; FK1 IND INC ; MCCLELLAN JAMES WENDELL ; BABCOCK IND INC WHOLLY OWNED SUBSIDIARY ACCO CONTROLS GROUP INDUSTRIAL CONTROLS MILAN TENN

Inventor(s):^(std): HARRINGTON CHARLES ; HARRINGTON CHARLES W ; HARRINGTON CHARLES WILLETT ; MCCLELLAN JAMES W ; MCCLELLAN JAMES WENDELL ; MCCLELLAN WENDELL ; MCCLELLAN WENDELL JAMES ; WISNER GARY ; WISNER GARY E ; WISNER GARY EUGENE

Inventor(s): WISNER GARY EUGENE BOAZ AL 35957 US ; MCCLELLAN WENDELL JAMES JACKSON TN 38305 US ; HARRINGTON CHARLES WILLETT JACKSON TN 38305 US

Agent(s): MACRAE AND CO

Designated states: AT BE CA CH DE DK ES FR GB GR IT JP LU NL SE

International class
^{(IPC 8-9):} [B63H25/02](#) [B63H25/04](#) [B63H25/24](#) [B63H25/42](#) [G05D1/02](#) ^(Advanced/Invention);
[F02B61/04](#) ^(Advanced/Non-invention);
[B63H25/00](#) [B63H25/06](#) [G05D1/02](#) ^(Core/Invention);
[F02B61/00](#) ^(Core/Non-invention)

International class
^{(IPC 1-7):} [B63H25/02](#) [B63H25/04](#) [B63H25/24](#) [B63H25/42](#) [G05D1/00](#)

CPC: [B63H20/12](#) [B63H25/02](#) [B63H2025/022](#) [B63H25/24](#) [B63H21/265](#) [F02B61/045](#)

European class: [B63H21/26B](#) [B63H25/24](#) [R02B61/04B](#)

US class: [318/588](#) [361/23](#)

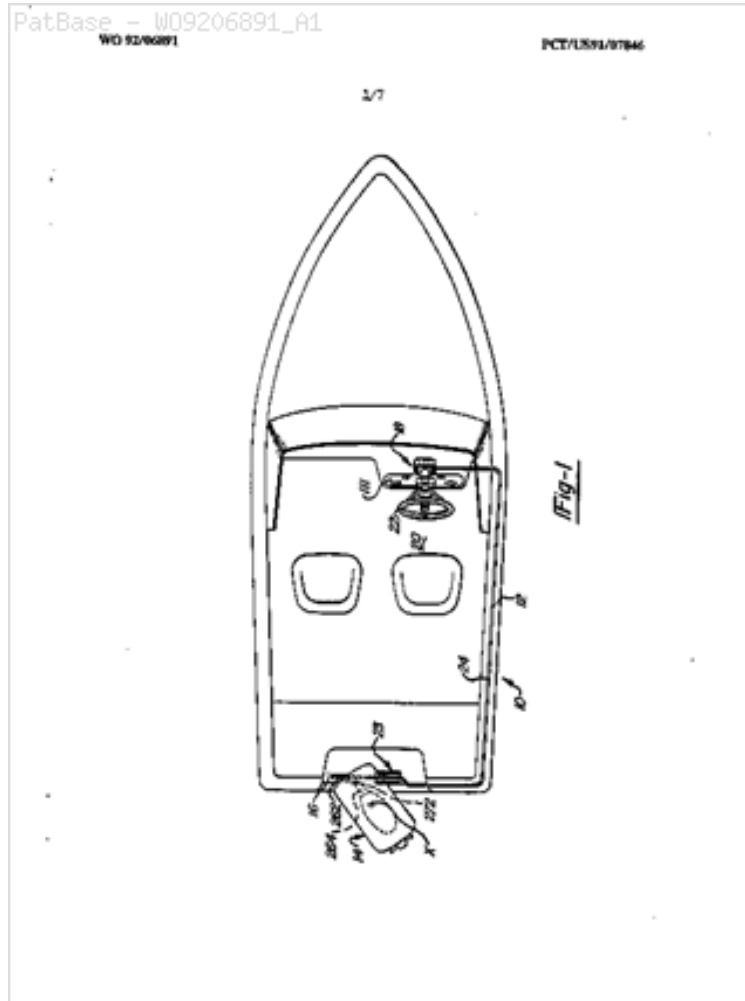
[Classification Explorer](#)

Cited documents: US5214363 A, US4824408 A, US4739236 A, US4636701 A, US4626757 A, US4595867 A, US4419084 A, US4413215 A, US4114074 A, US3995205 A, US3865063 A, US3798525 A, US3739738 A, US3695205 A, US3662243 A, US3571684 A, US3390614 A, US2958024 A, US2860297 A, US2505555 A, US2498223 A, US1965378 A, US1694237 A, GB2080751 A1,

Forward Citations: WO07035119, WO05115834, WO05102835, WO0015495, US9360846, US8408953, US8162706, US8145370, US8133084, US8046121, US7930986, US7872739, US7677937, US7666039, US7527537, US7497746, US7494390, US7465200, US7455557, US7452250, US7422496, US7367854, US7320629, US7303167, US7270068, US7267587, US7267069, US7224137, US7220157, US7137595, US6957990, US6734649, US6688927, US6597141, US6549831, US6446520, US6431928, US6230844, US6201483, US5864187, US5399949, US5361024, US2014312824, US2009241823, US2008278714, US2008125925, US2008119094, US2008115711, US2008113571, US2008085640, US2007224893, US2007105463, US2007093147, US2007089661, US2007066156, US2007066154, US2007049139, US2007046242, US2007046241, US2006217012, US2006180070, US2006138281, US2006019558, US2005282447, US2005215131, US2005184692, US2005064768, US2004056153, US2003089826, JP2006306176, JP2006306174, EP1937550, EP1937550, AU755331,

Abstract:

Source: US5214363A A remote, electrical steering system for marine vehicles including an electrical motor operable by a control and power circuit to rotate a drive screw having a screw connection to a nut in a drive tube for moving the drive tube in translation to cause steering movement of a motor/rudder with the control circuit sensing various fault conditions for placing the electrical motor in a brake condition to inhibit inadvertent steering and with the screw and nut connection resisting backlash from the motor/rudder to inhibit inadvertent steering and isolate the electrical motor and associated gearing from backlash loads.



0) JP2008179286A – MUD GUARD DEVICE OF FOUR–WHEEL VEHICLE

21) Family number: 42155926 (JP2008179286A)

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Title: MUD GUARD DEVICE OF FOUR–WHEEL VEHICLE

Priority: JP20070015278 20070125

Family:	Publication number	Publication date	Application number	Application date
	<u>JP2008179286 A2</u>	20080807	JP20070015278	20070125

Probable Assignee: HONDA MOTOR CO LTD

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

Inventor(s):^(std): NAKANISHI TAKAFUMI ; SAITO SHUNICHI ; SEIJI TATSUYA

International class
(IPC 8–9): B62D25/18 (Advanced/Invention);
B62J15/04 (Advanced/Non–invention);
B62D25/16 (Core/Invention);
B62J15/00 (Core/Non–invention)

[Classification Explorer](#)

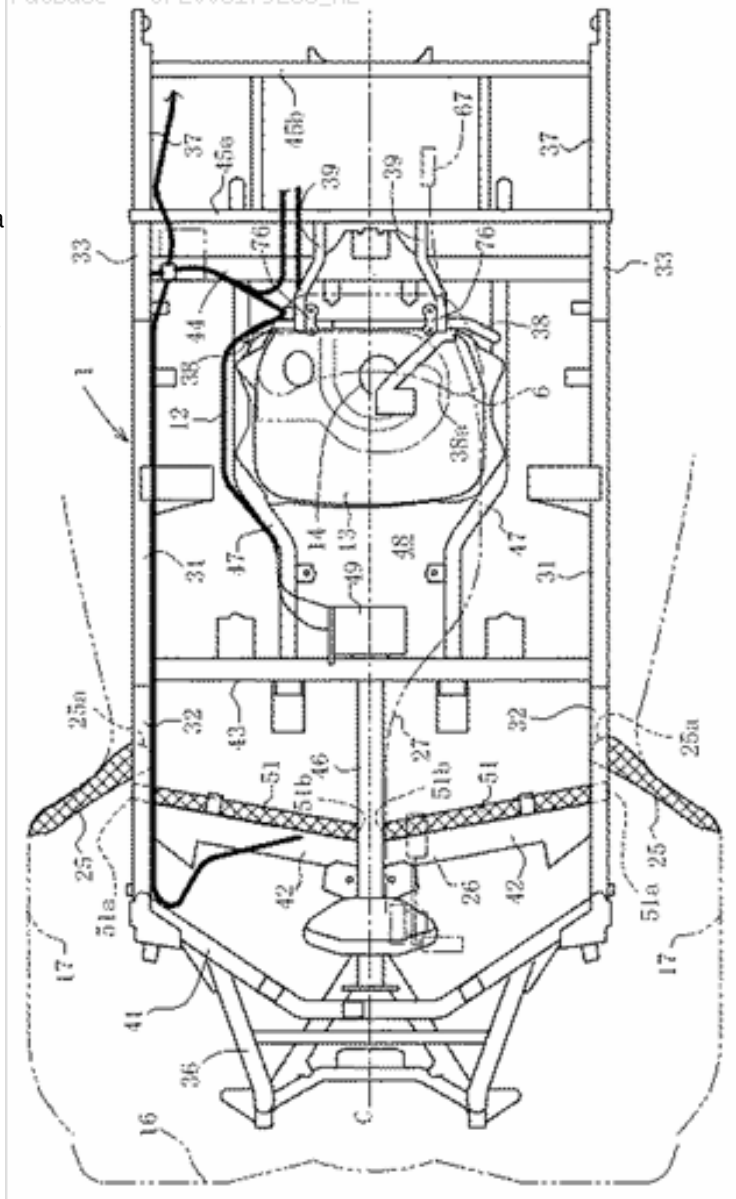
Forward Citations: EP2148365,

Abstract:

Source: JP2008179286A PROBLEM TO BE SOLVED: To provide a mud guard capable of effectively blocking flying stones or the like.

SOLUTION: A front wheel mud guard 25 is mounted on a front fender 17 behind a front wheel 2, and arranged in a forwardly and outwardly opened state. An under-body mud guard 51 is arranged in the right-to-left direction along a second cross member 42 of a vehicle body frame. The under-body mud guard 51 is backwardly tilted so that an outer end is slightly tilted backwardly, and an outer end 51a is located forward of an inner end 25a of the front wheel mud guard 25. A part in a vicinity of the outer end 51a of the under-body mud guard 51 and a part in a vicinity of the inner end 25a of the front wheel mud guard 25 form overlap parts 57, 58 overlapping each other in the longitudinal direction, and a space 59 is formed between the overlap parts 57, 58.

PatBase - JP2008179286_A2



22) Family number: 22776805 (US3194313A)

© PatBase

Title: Earth drilling rigs**Priority:** GB19560029153 19560924

Family:	Publication number	Publication date	Application number	Application date
	GB875127 A	19610816	GB19560029153	19560924
	US3194313 A	19650713	US19610133090	19610822

Probable Assignee: F N R D LTD**Assignee(s):^(std):** F N R D LTD**Assignee(s):** F N R D LIMITED**Inventor(s):^(std):** DALRYMPLE FANSHAW HEW ; FANSHAW HEW DALRYMPLE

International class
(IPC 8-9): [E21B19/20](#) (Advanced/Invention);
[E21B19/00](#) (Core/Invention)

International class
(IPC 1-7): [E21B15/00](#)

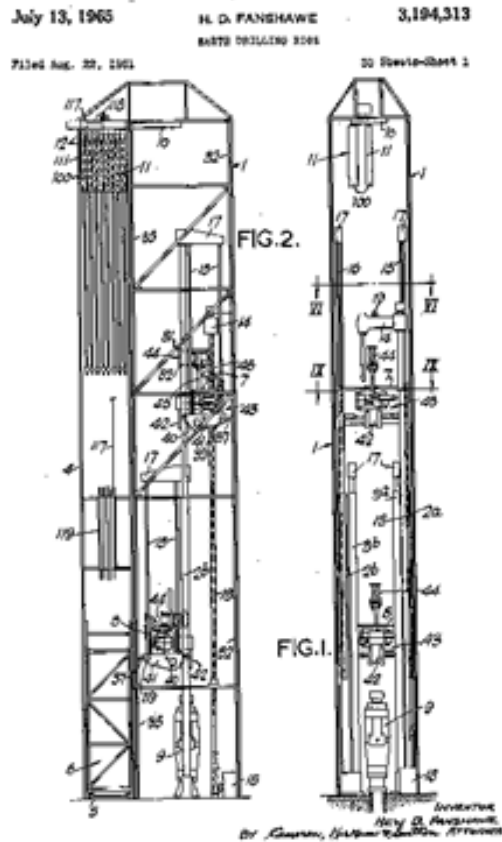
CPC: [E21B19/20](#)**European class:** [E21B19/20](#)**US class:** [166/77.53 175/85 414/22.55 414/22.62 414/22.63](#)[Classification Explorer](#)**Cited documents:** US3002560 A, US2867338 A, US2781185 A, US2773605 A, US2737839 A, US2735556 A, US2450934 A,

Forward Citations: WO11001295, WO11001295, WO0133036, WO0133036, USRE29020, US9556689, US9500049, US9476267, US9194193, US9091128, US8905699, US8839852, US8696288, US8646522, US8506229, US8496238, US8485067, US8474806, US8469648, US8419335, US8408334, US8393844, US8371790, US8192129, US8192128, US8162045, US8128332, US8065937, US7743834, US7665531, US7546882, US7503394, US6854520, US6056060, US6047775, US6000472, US5931231, US5294228, US4834604, US4709766, US4697830, US4604724, US4585079, US4567952, US3977480, US3958698, US3888318, US3881375, US3835938, US3780815, US3499498, US3456745, US3404741, US3381589, US3329405, US3294185, US2011200412, US2011048807, US2010329823, US2010296899, US2010230166, US2010187740, US2010034619, US2010032213, US2009245996, US2009211813, US2009008081, US2008282847, US2006278400, US2004026088, FR2526080, EP2401471,

Abstract:

Source: GB875127A 875,127. Driving railed vehicles. F.N.R.D. Ltd. Sept. 23, 1957 [Sept. 24, 1956; Aug. 9, 1957], Nos. 29153/56 and 25259/57. Class 104 (2). [Also in Groups XXI, XXIX and XXXII] In an earth boring rig pipe sections are removed from or supplied to the drill string by hangers 100 running on a railway 10. The railway comprises an endless rail 107 having a removable section 116 forming part of a batcher 12, adjustable stops being provided for the rail at either end of the section 116. A number of hangers in excess of those loaded is carried by the railway, each hanger having a support arm 105 with roller 106, and a spring-loaded, projection 108 which is engaged by a conveyer chain 110 co-extensive with the rail. As each pipe section is removed from the string the spinning-off mechanism 44 swings the section so that its upper end enters a hanger and is held therein by catches 101. The loaded hanger is moved to the section 116 by the chain, the stop at the discharge end of the section 116 being operative. When the batcher is full the other stop becomes operative, and the section 116 together with the batch of loaded hangers is lowered by a cable 117. The lower end of the pipe sections are received in a trolley 6 running on rails 121. The trolley carries pipe separators 127 and has racks 123 engaged by pinions 124 mounted on the rig frame. If the trolley is loaded as shown in Fig. 12, the lower ends of the batch of pipe sections passes between separators 127^A, 127^B. As the pipe sections engage the bottom of the trolley, cams 130 are lowered to move the separator 127^A into contact with the batch of pipe sections suspended from the hangers. The hangers are released from the batch of pipe sections by pressing rods 103, the batch of hangers is raised, and the cams move upwardly to move the separators 127^A, 127^B and the batch of pipe sections to the right to rest against the previously stacked pipe sections. During this movement a rack 132 on the cam moves a ratchet wheel 122 driving the pinions to move the trolley into position to receive a further batch of pipe sections. The section 116 is returned to the rail 107, the stops at the ends of the batcher are released, the empty hangers are removed from the batcher by the chain, and the stop at the discharge end of the batcher is operated so that the batcher is ready for the next batch of loaded hangers. When used for supplying pipe sections to the string, the ratchet on the wheel 122 is reversed and means over the string are provided for the operation of the rods 103.

PatBase - US3194313_A



0) WO12032198A2 – SET OF ELEMENTS AND PARTS FOR THE ASSEMBLY, EXT...

23) Family number: 50785187 (WO12032198A2)

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Title: SET OF ELEMENTS AND PARTS FOR THE ASSEMBLY, EXTENSION AND RAPID MODULAR CONVERSION OF VESSELS, RAFTS, FLOATING GANGWAYS AND BRIDGES AND TEMPORARY FLOATING STRUCTURES WITH MULTIPLE FLOATS, IN PARTICULAR FOR AQUATIC EMERGENCIES

Priority: ES20100001195 20100911 WO2011ES00272 20110910

Family:	Publication number	Publication date	Application number	Application date
	EP2679482 A2	20140101	EP20110823103	20110910
	ES2405704 AA	20130603	ES20100001195	20100911
	ES2405704 BA	20140326	ES20100001195	20100911
	WO12032198 A2	20120315	WO2011ES00272	20110910
	WO12032198 A3	20120426	WO2011ES00272	20110910

Probable Assignee: NIETO LEON JOSE

Assignee(s):^(std): NIETO LEON JOSE

Assignee(s): JOSE NIETO LEON

Inventor(s):^(std): NIETO LEON JOSE

Inventor(s): JOSE NIETO LEON

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 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

International class [B63B3/08](#) (Advanced/Invention)
(IPC 8-9):

CPC: [B63B3/06](#) [B63B35/34](#)

European class: [B63B3/06](#)

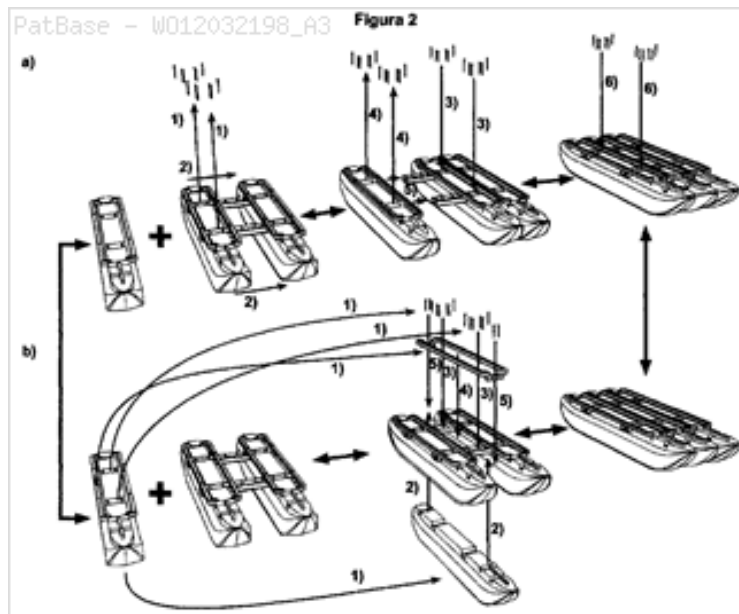
[Classification Explorer](#)

Cited documents: US6948443 BA, US4919632 A, US4856446 A, US2009084303 AA, ES1066432 UA, ES1065789 UA, ES1064408 UA, ES1063665 UA, EP07822879,

Forward Citations: WO16020814,

Abstract:

The invention relates to a wide range of improvements to the main parts of the flotation structure (cross-pieces, floats, sliding covers and longitudinal U-shaped bars) of the invention in utility model ES1064408U and European patent application EP2070814A1, together with a set of novel parts of diverse types and purposes, which can be coupled to the above-mentioned parts and which together allow and facilitate, indiscriminately and according to needs, the transport, assembly, disassembly and rapid conversion of vessels, rafts and floating bridges or gangways and other temporary structures comprising multiple stationary or rotary floats, of a type, size and number determined by the number and types of parts available, such that assembly involves the repeated lateral mounting of identical or similar structural modules. These improvements and novel elements provide a number of practical advantages in terms of packing, transport and assembly, allowing: easy extension of the floating structure by means of the internal incorporation or lateral addition of modular flotation units; the connection of two separate pre-assembled floating structures to form a single assembly; the connection of different modular flotation units to form a flexible chain of floats that can be folded, stacked in layers or wound into cylindrical structures about central supporting parts; the additional reinforcement of parts of the assembled structure; easy ground-based towing, transport and handling of the assembled parts or structures; as well as the coupling or rapid replacement of suitable modular accessories (motors, seats, stretchers, cases, baskets, stairways, railings, etc.). The assembly, disassembly and reconfiguration processes for most of the structures can be reversed without having to disassemble the entire structure into separate parts.



24) Family number: 10818422 (JP10194160A)

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Title: FLAP RUBBER REGULATING DEVICE FOR TRANSPORTING VEHICLE**Priority:** JP19970001456 19970108**Family:**

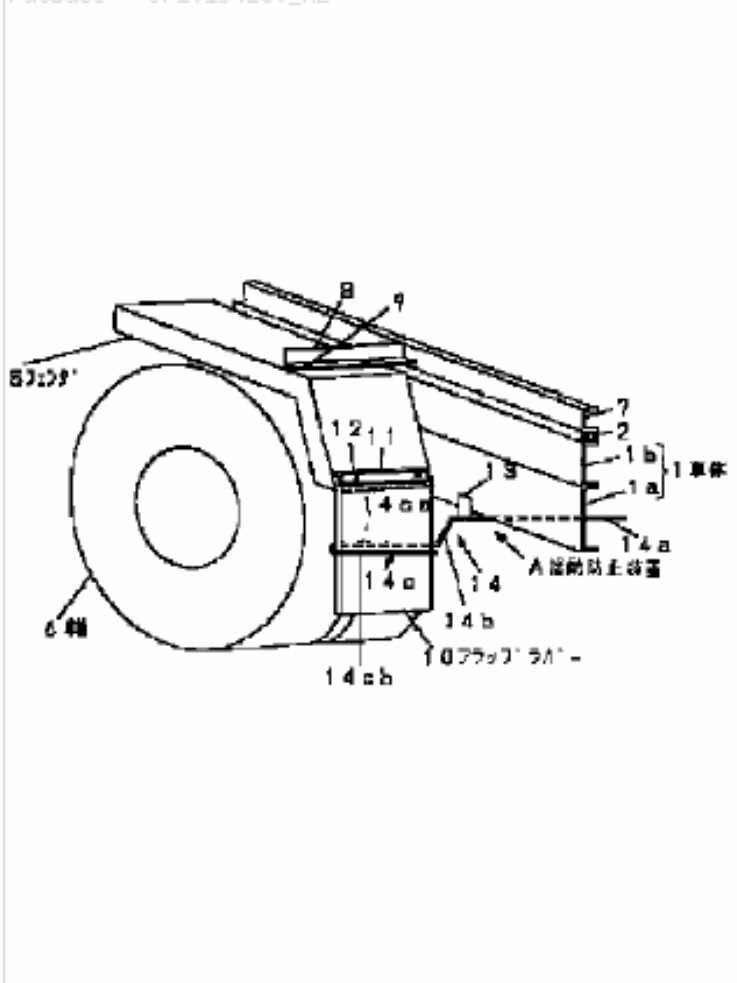
Publication number	Publication date	Application number	Application date
<u>JP10194160 A2</u>	19980728	JP19970001456	19970108

Probable Assignee: KYOKUTO KAIHATSU KOGYO CO**Assignee(s):^(std):** KYOKUTO KAIHATSU KOGYO CO**Assignee(s):** KYOKUTO KAIHATSU KOGYO CO LTD**Inventor(s):^(std):** NAGUMO DAISUKE ; OISHI TETSUYA ; SHIMURA KAZUO ; UEDA KOZO**International class** B62D25/18 (Advanced/Invention) ;
B62D25/16 (Core/Invention)**International class** B62D25/18
(IPC 1-7) :[Classification Explorer](#)**Forward Citations:** JP2006015789,**Abstract:**

Source: JP10194160A PROBLEM TO BE SOLVED: To prevent the generation of a phenomenon that a flap rubber is caught in a wheel during the traveling of a transporting vehicle or at the time of tilting a load carrying box by providing a car body with an oscillation preventing device for preventing coming of a flap rubber close to a wheel at the time of tilting a load carrying box backward.

SOLUTION: When a wheel 6 splashes up the mud water backward at the time of tilting a load carrying box of a dump car or during the traveling of a cargo truck, the mud water is received by a flap rubber 10. At this stage, the flap rubber 10 is being oscillated backward by the wind pressure during the traveling, but the flap rubber 10 is received by a rear part 14cb of a projecting part 14c of an oscillation preventing member 14, and the oscillation is prevented, and flap rubber works as a mud water fender. When a blast of wind is blown from back during the traveling, the flap rubber 10 is received by a front part 14c a of the projecting part 14c of the oscillation preventing member 14, and a phenomenon that the flap rubber is caught in a wheel 6 due to the oscillation thereof is prevented, and the flap rubber works as a mud water fender.

PatBase - JP10194160_A2



25) Family number: 37037435 (GB191321748A)

© PatBase

Title: Improvements in and relating to Safety Guards for Vehicles.

Family:	Publication number	Publication date	Application number	Application date
	<u>GB191321748 A</u>	19140813		00000000

Probable Assignee: SPONG JOHN FULLER

Assignee(s):^(std): SPONG JOHN FULLER

Assignee(s): JOHN FULLER SPONG

Inventor(s):^(std): SPONG JOHN FULLER

Inventor(s): JOHN FULLER SPONG

International class B60R21/34 (Advanced/Invention)
(IPC 8-9):

CPC: B60R21/34

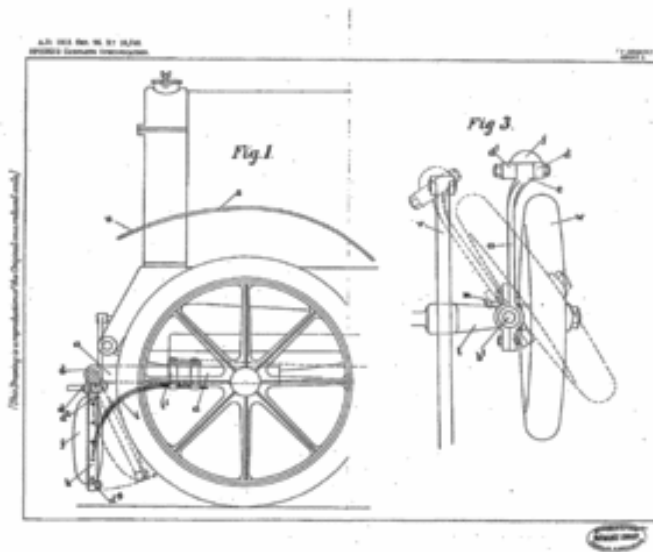
European class: B60R21/34

[Classification Explorer](#)

Abstract:

Source: GB191321748A 21,748. Spong, J. F.
Sept. 26. Drawings to Specification.
Mud-guards are tapered at the front end so as
to deflect an obstacle from the path of the
vehicle.

PatBase - GB191321748_A



- **search:** SS2 ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and (fender* or cover) and (mud or splash*) (Results 512)
- **List:** SS2 1–50 (ft=(vehicle or motorcycle or tricycle or trike) and front and wheel* and (fender* or cover) and (mud or splash*)) (Results 512)

1) Family number: 31717419 (US2007000702A)

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Title: MOVING BODY

Priority: CA20042536835 20040812 CA20042536884 20040812 CA20042641562 20040812
 EP20040771827 20040812 EP20040771829 20040812 CA20042641623 20040812
 CA20042654853 20040812 EP20100009558 20040812 EP20090011623 20040812
 JP20090163726 20090710 JP20090163587 20090710 JP20040154101 20040525
 JP20030366502 20031027 JP20040154091 20040525 JP20030301311 20030826
 JP20030366503 20031027 JP20090163726 20040525 JP20090163587 20040525
 EP20100009580 20040812 EP20100009559 20040812 IN2006DN01001 20040812
 WO2004JP11866 20040812 WO2004JP11868 20040812 US20060569450 20060224
 US20100683643 20100107 US20060569447 20060224 US20060569447 20060224
 US20110157755 20110610 US20110157776 20110610 JP20110258157 20111125
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 JP20110256711 20111124 JP20110256712 20111124 US20120656160 20121019
 US20130798666 20130313 US20130826049 20130314 WO2004JP11868 20060222
 WO2004JP11866 20060223 WO2004JP11868 20070530 WO2004JP11866 20071127

Family:

Publication number	Publication date	Application number	Application date
BRPI0413837 A	20061024	BR2004PI13837	20040812
BRPI0413919 A	20061024	BR2004PI13919	20040812
CA2536835 AA	20060224	CA20042536835	20040812
CA2536835 C	20090421	CA20042536835	20040812
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Agent(s): GOWLING LAFLEUR HENDERSON LLP; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; KUHNEN AND WACKER; KENYON AND KENYON 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 KE KG KP KR KZ LC 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 SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class
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CPC: H01M8/04059 H01M8/04179 B60K15/07 Y02T10/7005 B60K1/00 B60K1/04 B60K13/04 B60K2001/005 H01M8/04156 H01M2250/20 Y02T90/32 Y02P70/56 H01M8/04291 B60L11/18 B60L11/1881 Y02E60/50

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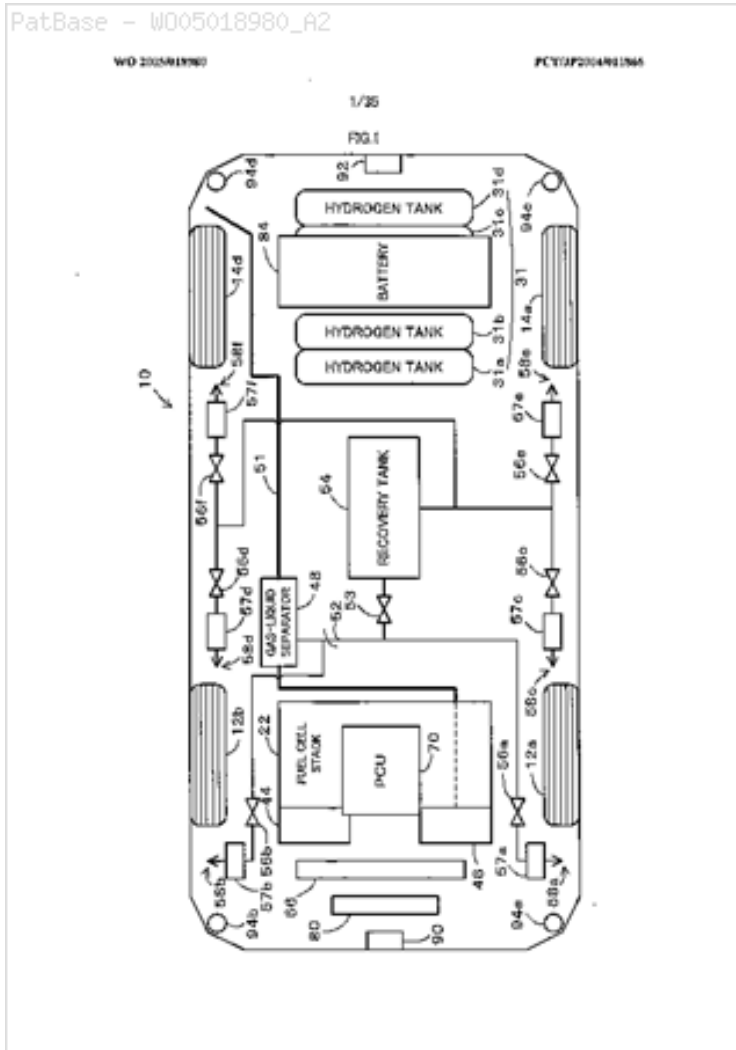
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Source: US2007000702A Water contained in exhaust gas discharged from a fuel cell stack 22 is separated by a gas-liquid separator 48 and is accumulated in a recovery tank 54. The procedure of the invention sets a release amount of water and selects one or multiple positions for water release, based on the driving conditions including the vehicle speed and the acceleration, the turning state, activation or non-activation of skid reduction control, the distance from any object detected by clearance sonars 94a through 94d, a distance from a subsequent vehicle measured by an extremely high frequency radar 92, and the presence of raindrops detected by a raindrop detection sensor, and releases the water accumulated in the recovery tank 54 from water outlets at the selected one or multiple positions among water outlets 58a through 58f at multiple different locations. This arrangement ensures adequate release of the water produced by the fuel cell stack 22 to the atmosphere.



0) US2013038030A – VEHICLE HAVING A SWIVEL WHEEL

2) Family number: 53007920 (US2013038030A)

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Title: VEHICLE HAVING A SWIVEL WHEEL

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Family:

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<u>US2015225036 AA</u>	20150813	US20140492740	20140922
<u>US2017113752 AA</u>	20170427	US20160162527	20160523
<u>US8439385 BB</u>	20130514	US20120493407	20120611
<u>US8465037 BB</u>	20130618	US20120569582	20120808
<u>US8602432 BB</u>	20131210	US20130946554	20130719
<u>US8740235 BB</u>	20140603	US20130100677	20131209
<u>US8764041 BA</u>	20140701	US20140156666	20140116
<u>US8864161 BB</u>	20141021	US20140222559	20140321
<u>US9150273 BB</u>	20151006	US20150658099	20150313
<u>US9162727 BB</u>	20151020	US20120127657	20120809
<u>US9371109 BB</u>	20160621	US20140492740	20140922
<u>US9610999 BB</u>	20170404	US20130919389	20130617
<u>WO13024371 A1</u>	20130221	WO20121B53080	20120619
<u>WO13024403 A1</u>	20130221	WO20121B54043	20120808
<u>WO13024407 A2</u>	20130221	WO20121B54071	20120809
<u>WO13024407 A3</u>	20130411	WO20121B54071	20120809

ZA201308319 A	20150325	ZA20130008319	20131106	
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Probable Assignee: SMART TRIKE MNF PTE LTD

Assignee(s):^(std): SMART BICYCLE MFG CO LTD ; SMART TRIKE MNF PTE LTD ; SMARTTRIKEMNFPTELTD ; YORAM BARON ; BARON YORAM

Assignee(s): SMART BICYCLE MFG CO ; SMART TRIKE MNF PTE LTD9 PENANG ROAD07 – 15 PARK MALL238459SINGAPORESG ; SMART TRIKE MNFPTELTD

Inventor(s):^(std): BARON YORAM ; YOM BARRON ; YORAM BARON

Inventor(s): YOMBARRON ; BARON YORAMIL

Agent(s): COLLISON AND CO; BULL HOUSSEY AND TUPPER LLP; REGEHR HERBERT B; PERRY AND CURRIER; JOHANSSON AND LANGLOIS LTDA; LUZ CLEMENCIA DE PAEZ; MAIWALD PATENTANWALTSGESELLSCHAFT MBH; SCHWABE SANDMAIR MARX; COZENS PAUL DENNIS; LECOMTE AND PARTNERS; PONTI ADELAIDA; HAYIM WELLER; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; BOACH 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 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 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

International class
(IPC 8-9): B21K21/00 B21K21/02 B21K21/08 B60K25/06 B62B1/00 B62B1/12 B62B5/00 B62B5/06 B62B7/04 B62B7/12 B62D1/12 B62H7/00 B62J1/00 B62J15/00 B62J7/00 B62J9/00 B62K B62K13/00 B62K13/08 B62K21/00 B62K21/02 B62K21/08 B62K21/14 B62K21/18 B62K21/22 B62K21/24 B62K25/06 B62K25/08 B62K27/00 B62K5/02 B62K5/06 B62K9/00 B62K9/02 B62M1/38 B62M3/00 B62M6/00 (Advanced/Invention); B62B5/00 B62B7/12 (Advanced/Non-invention); B62K21/00 B62K9/00 (Core/Invention); B62B B62H B62K (Subclass/Invention)

CPC: B62B7/12 B62K13/00 B62K9/02 B62K21/02 B62M1/38 B62K27/003 B62K21/00 B62M6/00 B62K5/02 B62K21/08 B62B1/12 B62B5/0079 B62B7/126 B62B2202/26 B62B2206/006 B62H7/00 B62J9/00 B62K13/08 B62D1/12 B62K21/18 B62K21/24 B21K21/00 B21K21/02 B21K21/08 B62K5/06 B62B5/067 B62J15/00 B62J1/00

US class: 1/1 280/124.1 280/200 280/210 280/240 280/259 280/263 280/270 280/274 280/279 280/282 280/288.4 280/291 280/293 280/295 280/32.5 280/47.11 280/47.34 280/47.371 280/47.38 280/62 280/621 280/622 280/623 280/624 280/625 280/626 280/627 280/628 280/629 280/7.17

[Classification Explorer](#)

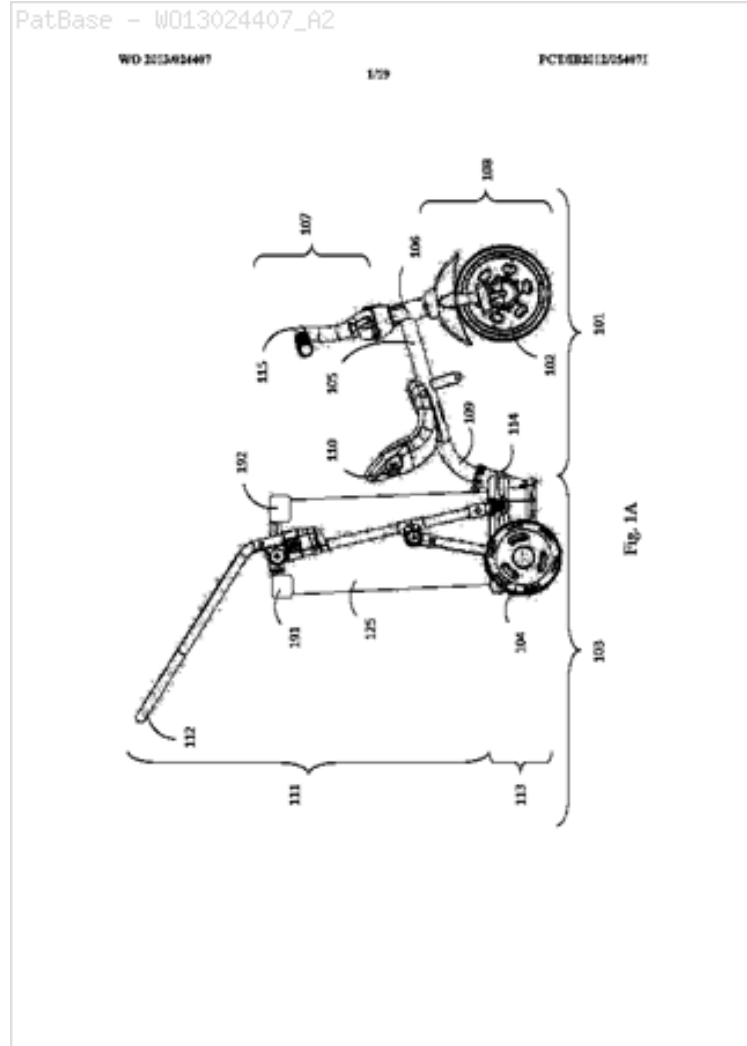
Cited documents: WO08102023 A1, WO04067352 A1, US8764041 BA, US8740235 BB, US8602432 BB, US8465037 BB, US8439385 BB, US8313117 BB, US7914030 BB, US7625002 BB, US7614633 BB, US7549661 BB, US7500689 BB, US7347071 BB, US7281725 BA, US7261308 BB, US7246809 BB, US7044491 BB, US7000935 BB, US6916028 BB, US6908091 BB, US6874802 BB, US6840527 BA, US6811173 BA, US6811172 BB, US6799772 BB, US6799722 BB, US6688633 BB, US6685207 BA, US6685206 BA, US6666470 BB, US6612598 BB, US6530589 BA, US6443469 BA, US6378884 BA, US6376884 BA, US6343806 BA, US6302421 BA, US6302421, US6149178 A, US6120048 A, US6082754 A, US5590896 A, US5499834 A, US5356197 A, US5280937 A, US5279181 A, US5085063 A, US5028066 A, US5011133 A, US4895379 A, US4865337 A, US4714261 A, US3963472 A, US3863472 A, US3724873 A, US3664683 A, US3658354 A, US3485507 A, US3354975 A, US3190676 A, US3152838 A, US2683480 A, US2672351 A, US2630334 A, US2565848 A, US2504907 A, US2453631 A, US2202479 A, US2011278815 AA, US2011074125 AA, US2009108558 AA, US2006035760 AA, US2004164515 AA, US2003201621 AA, US2003132596 AA, US2003014169 AA, US2002089144 AA, US1606269 A, US1484876 A, US1449255 A, US1274045 A, US1218943 A, NL1023930 C2, NL1023930 A, KR20090101808 A, KR20090101808, JP2006298161 A2, JP2001315681 A2, JP2001247072 A2, GB908184 A, GB608184 A, GB2387823 A1, GB1422409 A, FR891173 A, FR2955080 A1, FR2930929 A1, FR2930929, FR2883834 A1, FR2187592 A1, EP1048559 A1, EP0878384 A2, EP0845407 A1, EP0839706 A1, DE9105305 U, DE3528357 C1, DE29822875 U1, DE29613317 U1, DE2939603 A1, DE2903818 A1, DE2228716 A1, DE1902754 A1, DE102005002216 A1

CN2752153 Y, CN2405850 Y, CN202783561 U, CN201825196 U, CN201825196 A, CN1440343 A, CN1303800 A, CN1120783 C, CN1120783 A, CN101691130 A,

Forward Citations: WO16111419, WO15156480, WO15028903, USD735090, USD730248, US9610999, US9475539, US9475534, US9371109, US9321499, US9193415, US9162727, US9150273, US8998233, US2016375949, US2016280297, US2016068218, US2015091272, US2014210178, US2014159335, US2014138932, US2014084563, KR101553699, JP2015526345, CN103895682, CN102923228,

Abstract:

Source: US2013038030A A tricycle may be operable between a first mode of operation steerable by a tricycle rider, and a second mode of operation steerable by an individual pushing the tricycle. A rider handle, in the first mode, may be rotationally coupled with the stem in a manner permitting a tricycle rider to exert forces on the rider handle and thereby turn the fork, and the rider handle in the second mode, may be rotationally uncoupled from the stem, preventing forces on the rider handle from turning the fork. At least one rotation restrictor may be included for preventing the front wheel from turning to a position where the front wheel axis leads the stem axis, and for maintaining the front wheel axis in a position trailing the stem axis in the first mode and in the second mode.



0) US2014265431A – METHOD AND APPARATUS FOR MINIMIZING DRAG–INDUCE...

3) Family number: 56778292 (US2014265431A)

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Title: METHOD AND APPARATUS FOR MINIMIZING DRAG–INDUCED FORCES ON A WHEELED VEHICLE

Priority: US20120745357P 20121221 US20130799005 20130313 US20150727828 20150601
US20150727823 20150601 US20150727832 20150601 US20140479699 20140908
WO2013US70498 20131118 US20150727835 20150601

Family:	Publication number	Publication date	Application number	Application date
	AR092382 AA	20150422	AR2013P105010	20131220
	AU2013364096 AA	20140626	AU20130364096	20131118
	AU2013364096 BB	20161124	AU20130364096	20131118
	CA2932830 AA	20160603	CA20132932830	20131118
	CO7620758 A2	20160531	CO20150168266	20150721
	EP2934908 A1	20151028	EP20130866049	20131118
	EP2934908 A4	20170419	EP20130866049	20131118
	MX2015007864 A1	20160205	MX20150007864	20131118
	TW201425098 A	20140701	TW20130112500	20130409
	US2014265431 AA	20140918	US20130799005	20130313
	US2015258847 AA	20150917	US20150727823	20150601
	US2015258848 AA	20150917	US20150727835	20150601
	US2015258849 AA	20150917	US20150727828	20150601
	US2015258859 AA	20150917	US20150727832	20150601
	US2016068015 AA	20160310	US20140479699	20140908
	US9290041 BB	20160322	US20150727828	20150601
	WO14099197 A1	20140626	WO2013US70498	20131118

Probable Assignee: MAGEE GARTH

Assignee(s):^(std): MAGEE GARTH ; MAGEE GARTH L

Assignee(s): GARTH L MAGEE

Inventor(s):^(std): GARTH L MAGEE ; MAGEE GARTH L

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CARLOS R OLARTE GARCIA; VIERING JENTSCHURA AND PARTNER PATENT U RECHTSANWAELTE

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

International class
(IPC 8–9): [B60A21/02](#) [B60B1/00](#) [B60B1/02](#) [B60B1/04](#) [B60B1/06](#) [B60B21/00](#) [B60B21/02](#) [B60B3/00](#) [B60B3/08](#) [B60B3/10](#) [B60B7/00](#) [B60C11/03](#) [B60C11/04](#) [B60C11/11](#) [B60R19/00](#) [B62D25/18](#) [B62D35/00](#) (Advanced/Invention); [B60B3/00](#) (Advanced/Non–invention)

CPC: [B60B7/0066](#) [B60C11/0302](#) [B60B3/02](#) [B60B3/08](#) [B60C19/00](#) [B60C11/03](#) [B60B7/0006](#) [B60B1/003](#) [B60B1/02](#) [B60B1/041](#) [B60B1/06](#) [B60Y2200/13](#) [B60C11/0327](#) [B60C11/11](#) [B60C2011/0337](#) [B60B3/007](#) [B60B2900/1216](#) [B60B3/10](#) [B60B3/00](#) [B60B7/00](#) [B60C11/0306](#) [B62D25/18](#) [B60B1/0261](#) [Y10T29/49492](#) [B62D35/00](#) [B60B1/0246](#) [B60C2200/10](#) [B60C2200/14](#)

US class: [1/1](#) [152/209.1](#) [29/894.3](#) [296/180.1](#) [301/104](#) [301/37.41](#) [301/55](#) [301/64.101](#) [301/64.201](#)

[Classification Explorer](#)

Cited documents: WO9857812 A1, USD673494 S1, USD634249 S1, USD612781 S1, USD500003 S1, USD460942 S1, USD451877 S1, USD396441 S1, USD377158 S1, USD323306 S1, USD103351 S1, US8256826 BB, US7997640 BA, US7775540 BB, US7641238 BB, US7520534 BB, US7364220 BB, US7322592 BB, US6974178 BB, US6913323 BB, US6554370 BB, US6446994 BA, US6325462 BA, US6231129 BA, US622997 A, US6086161 A, US6017076 A, US5853216 A, US5779323 A, US5775454 A, US5377734 A, US5350221 A, US5348328 A, US5332295 A, US5246275 A, US521587 A, US5096264 A, US5080444 A, US5061013 A, US4930844 A, US4919490 A, US4913256 A, US4813583 A, US4773663 A, US4655497 A, US4640541 A, US451206 A, US449220 A, US4486046 A, US4411443 A, US4326728 A, US4262953 A, US4027836 A, US3884527 A, US3579408 A, US3549205 A, US3101163 A, US2460349 A, US2016068015 AA, US2014265431 AA, US2012312609 AA, US2012061989 AA, US2011080019 AA, US2011074129 AA, US2010327625 AA, US2010231028 AA, US2010164245 AA, US2010066123 AA, US2009236902 AA, US2008296962 AA, US2008284237 AA, US2008150314 AA, US2007151644 AA, US2007126254 AA, US2005173971 AA, US2005029032 AA, US1506098 A, US1502759 A, US1027806 A, DE8912607 U,

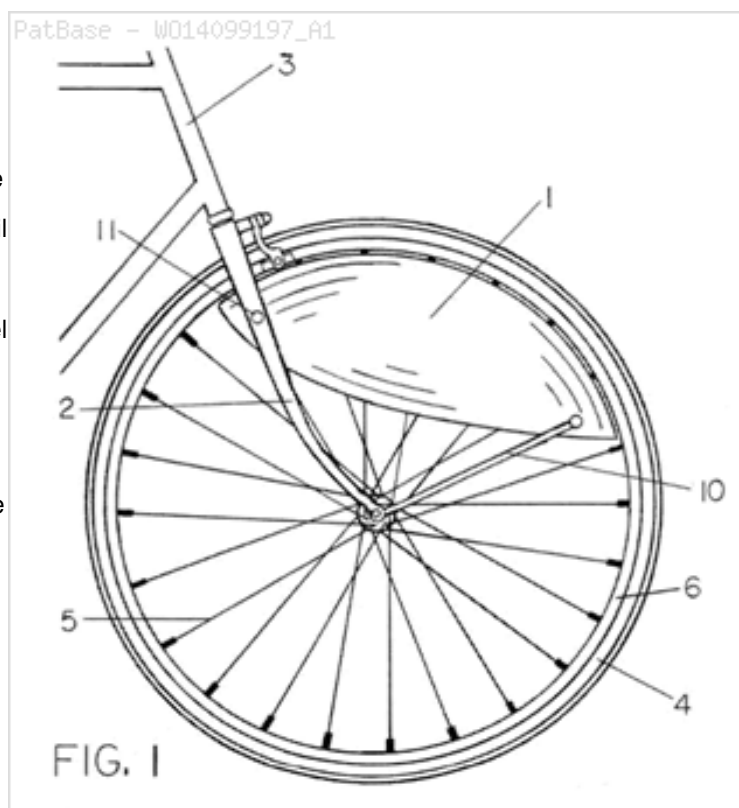
DE202007007708 U1

DE102006038182 A1

Forward Citations: US9567016, US2015258847,

Abstract:

Source: US2014265431A An aerodynamically optimized drag-reduction means and method for optimal minimization of the drag-induced resistive forces upon a terrestrial vehicle wheel, where the drag-induced resistive moments on wheel surfaces pivoting about the point of ground contact are reduced, and the vehicle propulsive forces needed to countervail the resistive forces on the wheel are reduced. The drag reduction means includes: a streamlined wheel cover positioned on a vehicle to shield the faster moving upper wheel surfaces from headwinds; a streamlined wind-deflecting fairing positioned on a vehicle to shield the faster moving upper wheel surfaces from headwinds; an engine exhaust pipe disposed on a vehicle whereby exhaust gases deflect headwinds to shield the faster moving upper wheel surfaces of an automotive wheel; an automotive spoked wheel having streamlined oval-shaped wheel spokes arranged in one or more rows for greater axial strength; a streamlined tailfin rotatably attached to a wheel spoke, which thereby may pivot about the spoke in response to varying crosswinds; and a tire having streamlined tread blocks arranged in an aerodynamic pattern.



4) Family number: 20256720 (US5562066A)

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Title: Amphibious vehicle

Priority: EP19930916703 19930622 US19920902660 19920623 US19950444110 19950518
 US19950384461 19950131 US19930080641 19930621 US19950444829 19950518
 WO1993US06000 19930622

Family:	Publication number	Publication date	Application number	Application date
	<u>AT207835 E</u>	20011115	AT19930916703T	19930622
	<u>AU199346471 A1</u>	19940124	AU19930046471	19930622
	<u>DE69331059 D1</u>	20011206	DE19936031059	19930622
	<u>EP0646081 A1</u>	19950405	EP19930916703	19930622
	<u>EP0646081 A4</u>	19960103	EP19930916703	19930622
	<u>EP0646081 B1</u>	20011031	EP19930916703	19930622
	<u>EP0970825 A2</u>	20000112	EP19990119692	19930622
	<u>EP0970825 A3</u>	20000628	EP19990119692	19930622
	<u>EP0970826 A2</u>	20000112	EP19990119708	19930622
	<u>EP0970826 A3</u>	20000628	EP19990119708	19930622
	<u>EP0970827 A2</u>	20000112	EP19990119718	19930622
	<u>EP0970827 A3</u>	20000628	EP19990119718	19930622
	<u>EP0970828 A2</u>	20000112	EP19990119719	19930622
	<u>EP0970828 A3</u>	20000628	EP19990119719	19930622
	<u>EP0970829 A2</u>	20000112	EP19990119721	19930622
	<u>EP0970829 A3</u>	20000906	EP19990119721	19930622
	<u>EP0970830 A2</u>	20000112	EP19990119722	19930622
	<u>EP0970830 A3</u>	20000628	EP19990119722	19930622
	<u>TW243428 B</u>	19950321	TW19920104978	19920624
	<u>US5562066 A</u>	19961008	US19950444829	19950518
	<u>US5570653 A</u>	19961105	US19950384461	19950131
	<u>US5590617 A</u>	19970107	US19950444110	19950518
	<u>WO9400332 A1</u>	19940106	WO1993US06000	19930622

Probable Assignee: AQUASTRADA INT CORP**Assignee(s):^(std):** AQUASTRADA INT CORP ; AQUASTRADA INT INC ; LOUIS J MUSETTI**Assignee(s):** LOUIS J MUSETTIUS ; AQUASTRADA INT CORP MONTEREY

Inventor(s):^(std): GARY M GERE ; GERE GARY M ; HOLDER RUSSEL L JR ; HOLDER RUSSELL L JR ;
 LOUIS J MUSETTI ; MUSETTI LOUIS J ; RAMSEY RAY JR ; RAY RAMSEY JR ;
 RUSSELL L HOLDER JR ; RAMSEY JR RAY ; RAMSEY JR ; MUSETTI J ; HOLDER L ;
 HOLDER JR RUSSELL L ; GERE M ; HOLDER RUSSELL JR

Inventor(s): HOLDER RUSSELL L

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CZ DE DK ES FI FR GA GB GN GR
 HU IE IT JP KP KR KZ LI LK LU MC MG ML MN MR MW NE NL NO NZ PL PT RO RU
 SD SE SK SN TD TG UA VN

International class B60F3/00 H01L21/3205 H01L21/60 (Advanced/Invention);
^{(IPC 8-9):} H01L21/02 (Core/Invention);
B60F3/00 (Core/Non-invention)

International class B60F3/00 B63B35/00
^{(IPC 1-7):}

CPC: B60F3/0007 B60F3/003 B60F3/0053 B60F2301/00 B60F2301/04**European class:** B60F3/00B B60F3/00C B60F3/00C4 L60F301/00 L60F301/04

US class: 114/270 440/12.51

[Classification Explorer](#)

Cited documents: WO9109747 A1, USD305414 S1, US90266092, US5244425 A, US5181478 A, US5092260 A, US4958584 A, US4852521 A, US4838194 A, US4387661 A, US4241686 A, US4021874 A, US4008679 A, US3933112 A, US3903831 A, US3765368 A, US3746116 A, US3707938 A, US3487802 A, US3213821 A, US3159134 A, US3114347 A, US2807228 A, US2397791 A, GB831597 A, FR2647060 A1, FR2411095 A1, EP0492655 A1, EP0316651 A1, DE1804607 A1, DE1530577 A1, DE1103169 B,

Forward Citations: WO9813254, WO07045909, WO06067458, WO06043101, WO06043094, WO06043071, WO06040563, WO05014314, WO04103742, WO04103741, WO04096586, WO03045716, WO03037663, WO0228695, WO0222383, WO0216158, WO0209958, USD760623, US9434244, US9415649, US9370979, US9365251, US9321494, US9217501, US9211924, US9102389, US8888543, US8746719, US8662944, US8632370, US8454398, US8430178, US8221174, US8162704, US7934963, US7874259, US7766709, US7717761, US7713102, US7618050, US7530866, US7438611, US7416457, US7410396, US7371137, US7316594, US7314394, US7311568, US7234982, US7214112, US7207851, US6886837, US6808430, US6796856, US6776672, US6743062, US6575796, US6482052, US6354616, US5727494, US5690046, US2014335748, US2012108118, US2011189908, US2011143606, US2010319311, US2010173542, US2009061702, US2009004932, US2008299844, US2007167092, US2007093148, US2007014075, US2007006788, US2006264126, US2006234567, US2006219146, US2006183384, US2006178058, US2006172628, US2006172626, US2006006019, US2005277342, US2005170710, US2005101199, US2005034911, US2005011426, US2004097146, US2004092200, US2004020741, US2004014372, US2003176118, US2003047899, KR101345778, KR101068842, KR101046645, KR100830729, JP4860627, JP4712815, JP4712810, JP2008525265, JP2008517818, JP2008517817, JP2004510621, GB2425511, GB2425511, GB2423963, GB2420318, GB2420318, GB2419332, GB2419327, GB2419327, GB2402106, GB2402106, GB2397804, GB2397804, GB2397555, EP2311665, EP1809496, EP1618011, EP1056607, DE202012011330, DE19831324, DE10344957, DE10196590, CN103863035, CN103863035, CN103029540, CN101389498,

Abstract:

Source: US5562066A An amphibious vehicle is disclosed designed to have its ground engaging wheels retracted in response to manual switch activation only if there is a detection of sufficient thrust by the marine motive device to impart motion to the vehicle. The vehicle includes a land motive device and a marine motive device. An engine is positioned within the vehicle to provide power to the land motive device and the marine motive device. The ground engaging wheels are part of the land motive device. A directing device operatively connected to the engine directs engine power selectively to one of the land motive device, the marine motive device, and the combination of the land motive device and the marine motive device. An operator actuable switch is positioned within the vehicle for manual activation to switch the vehicle between land operation and marine operation. A pressure sensor also is provided to determine when the marine motive device provides sufficient thrust to impart motion to the vehicle. Means are also provided for deactivating the land motive means in response to manual switch activation only when the pressure sensor indicates there is sufficient thrust by the marine motive device to impart motion to the vehicle.

PatBase - W09400332_R1

WO 94/00332

PCT/US93/06000

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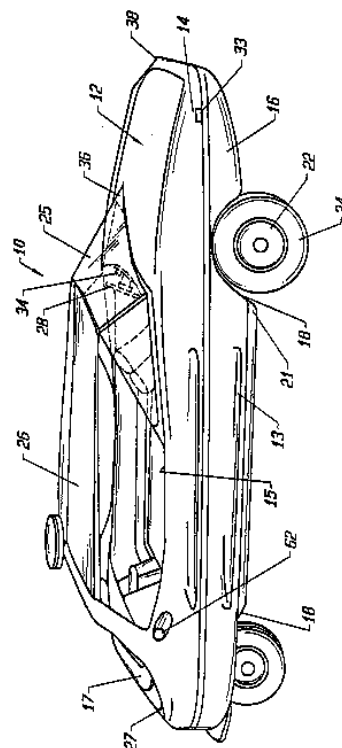


FIG. 1

0) US2004251715A – BICYCLE WITH COVER

5) Family number: 28881436 (US2004251715A)

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Title: BICYCLE WITH COVER

Priority: JP20020012770 20020122 JP20020058113 20020305 JP20020101090 20020403
JP20020120060 20020423 WO2002JP07154 20020715 JP20020145748 20020521

Family:	Publication number	Publication date	Application number	Application date
	<u>AR040092 AA</u>	20050316	AR2003P101765	20030521
	<u>CN1531494 A</u>	20040922	CN20028003409	20020715
	<u>EP1468903 A1</u>	20041020	EP20020746045	20020715
	<u>EP1468903 A4</u>	20080319	EP20020746045	20020715
	<u>JP2004082744 A2</u>	20040318	JP20020012770	20020122
	<u>JP2004082745 A2</u>	20040318	JP20020058113	20020305
	<u>JP2004082746 A2</u>	20040318	JP20020101090	20020403
	<u>JP2004082747 A2</u>	20040318	JP20020120060	20020423
	<u>JP2004082748 A2</u>	20040318	JP20020145748	20020521
	<u>JP3621088 B1</u>	20050216	JP20030561940	20020715
	<u>JP3621088 B2</u>	20050216	JP20030561940T	20020715
	<u>JP3728261 B2</u>	20051221	JP20020058113	20020305
	<u>JP3851843 B2</u>	20061129	JP20020145748	20020521
	<u>KR100516920 B1</u>	20050923	KR20037006648	20020715
	<u>KR20030083684 A</u>	20031030	KR20037006648	20030516
	<u>TW200304886 A</u>	20031016	TW20030105593	20030314
	<u>TWI255786 B</u>	20060601	TW20030105593	20030314
	<u>US2004251715 AA</u>	20041216	US20040492225	20040408
	<u>US7090279 BB</u>	20060815	US20040492225	20040408
	<u>WO03062037 A1</u>	20030731	WO2002JP07154	20020715

Probable Assignee: SHIROUMA SAIENSU KK

Assignee(s):^(std): SHIROUMA SAIENSU K K ; SHIROUMA SAIENSU KABUSHIKI KAI ; TAHARA YOSHIMASA ; SHIROUMA SCIENCE CO LTD

Assignee(s): SHIROUMA SAIENSU KABUSHIKI KAISHA ; SHIROUMA SAIENSU KK ; SHIROUMA SCIENCE CO

Inventor(s):^(std): TAHARA YOSHIMASA ; TAWARA YOSHIMASA ; YOSHIMASA TAHARA

Agent(s): JORDAN AND HAMBURG LLP

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

International class
(IPC 8-9): B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J17/08 B62J23/00 B62J6/02 B62J6/04 B62J99/00 B62K5/04 B62M6/60 B62M6/80 B62M9/00 (Advanced/Invention);
B62J17/00 (Advanced/Non-Invention);
B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J23/00 B62J6/00 B62J99/00 B62K5/00 B62M6/00 B62M9/00 (Core/Invention)

International class
(IPC 1-7): B60J5/06 B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J17/08 B62J23/00 B62J39/00 B62J6/02 B62J6/04 B62K5/04 B62M23/02 B62M9/00

CPC: B62K5/02 B62J17/08

European class: B62J17/08 B62K5/02

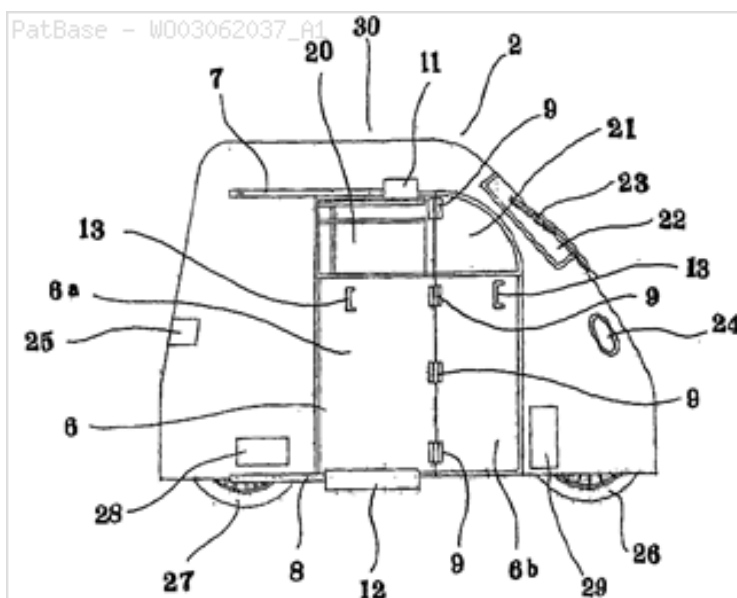
US class: 296/155 296/77.1 296/78.1

Cited documents: USD245903 S1, US6402220 BB, US6402220 BA, US6017076 A, US5791718 A, US5685388 A, US5662372 A, US5458390 A, US4973082 A, US4313517 A, US2003218358 AA, US1135337 A, JPH0277194 U, JP62054890 A2, JP61155279 A2, JP60145984 U1, JP60090083 A2, JP60077194 A2, JP60015069 A2, JP59199383 A2, JP54026253 A2, JP50041243 A2, JP49119952 A2, JP4283185 A2, JP32011136 A2, JP30013728 A2, JP2145984 A2, JP2077194 U1, JP11059553 A2, JP11059552 A2, JP10258783 A2, IT560043 A, IT529623 A, GB2284583 A1, FR2771069 A1, FR1139842 A, EP0891920 A2, DE906413 A, DE19636676 A1,

Forward Citations: WO14003302, WO10044630, WO10044630, WO10026585, WO05100144, US8528852, US8366171, US8333398, US8287023, US7815238, US7374190, US7096628, US2012181772, US2011163557, US2010116577, US2007045983, US2006043760, KR100975660, JP4350406, JP2011121378, JP2008505801, JP2004231166, EP2327571,

Abstract:

Source: US2004251715A The present invention provides a man-driven vehicle equipped with a cover structure practically covering a whole of the vehicle wherein the cover structure is provided with an openable and closable door way substantially comprising a door 6, 506, a detachable cover 112, a rotatable cover 212, 312, 403, and a slide cover 313 cooperating one with another so as to facilitate a driver to get on or off the vehicle. The cover structure additionally comprises a ground contacting skirt 530 and a floor panel 617 so that the vehicle can be comfortably driven even in adverse weather with the cover structure closed and, particularly in fine weather, the vehicle also can be driven with the cover structure opened.



- **search:** SS3 ft=(motorcycle or tricycle or trike) and front and wheel* and cover and (mud or splash*) (Results 128)
- **List:** SS3 1-50 (ft=(motorcycle or tricycle or trike) and front and wheel* and cover and (mud or splash*)) (Results 128)

0) US2013038030A – VEHICLE HAVING A SWIVEL WHEEL

1) Family number: 53007920 (US2013038030A)

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Title: VEHICLE HAVING A SWIVEL WHEEL

Priority: CN201220259831U 20120604 EP20120738206 20120619 US20110523215P 20110812
 US20120127657 20120809 EP20120759828 20120808 EP20130199119 20120808
 US20120493407 20120611 US20120569582 20120808 US20130946554 20130719
 US20130919389 20130617 US20130888603 20130507 US20130100677 20131209
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Family:

Publication number	Publication date	Application number	Application date
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<u>WO13024403 A1</u>	20130221	WO20121B54043	20120808
<u>WO13024407 A2</u>	20130221	WO20121B54071	20120809
<u>WO13024407 A3</u>	20130411	WO20121B54071	20120809

ZA201308319 A	20150325	ZA20130008319	20131106	
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Probable Assignee: SMART TRIKE MNF PTE LTD

Assignee(s):^(std): SMART BICYCLE MFG CO LTD ; SMART TRIKE MNF PTE LTD ; SMARTTRIEMNFPTELTD ; YORAM BARON ; BARON YORAM

Assignee(s): SMART BICYCLE MFG CO ; SMART TRIKE MNF PTE LTD9 PENANG ROAD07 – 15 PARK MALL238459SINGAPORESG ; SMART TRIKE MNFPTELTD

Inventor(s):^(std): BARON YORAM ; YOM BARRON ; YORAM BARON

Inventor(s): YOMBARRON ; BARON YORAMIL

Agent(s): COLLISON AND CO; BULL HOUSSEY AND TUPPER LLP; REGEHR HERBERT B; PERRY AND CURRIER; JOHANSSON AND LANGLOIS LTDA; LUZ CLEMENCIA DE PAEZ; MAIWALD PATENTANWALTSGESELLSCHAFT MBH; SCHWABE SANDMAIR MARX; COZENS PAUL DENNIS; LECOMTE AND PARTNERS; PONTI ADELAIDA; HAYIM WELLER; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; BOACH 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 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 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

International class
(IPC 8-9): B21K21/00 B21K21/02 B21K21/08 B60K25/06 B62B1/00 B62B1/12 B62B5/00 B62B5/06 B62B7/04 B62B7/12 B62D1/12 B62H7/00 B62J1/00 B62J15/00 B62J7/00 B62J9/00 B62K B62K13/00 B62K13/08 B62K21/00 B62K21/02 B62K21/08 B62K21/14 B62K21/18 B62K21/22 B62K21/24 B62K25/06 B62K25/08 B62K27/00 B62K5/02 B62K5/06 B62K9/00 B62K9/02 B62M1/38 B62M3/00 B62M6/00 (Advanced/Invention); B62B5/00 B62B7/12 (Advanced/Non-invention); B62K21/00 B62K9/00 (Core/Invention); B62B B62H B62K (Subclass/Invention)

CPC: B62B7/12 B62K13/00 B62K9/02 B62K21/02 B62M1/38 B62K27/003 B62K21/00 B62M6/00 B62K5/02 B62K21/08 B62B1/12 B62B5/0079 B62B7/126 B62B2202/26 B62B2206/006 B62H7/00 B62J9/00 B62K13/08 B62D1/12 B62K21/18 B62K21/24 B21K21/00 B21K21/02 B21K21/08 B62K5/06 B62B5/067 B62J15/00 B62J1/00

US class: 1/1 280/124.1 280/200 280/210 280/240 280/259 280/263 280/270 280/274 280/279 280/282 280/288.4 280/291 280/293 280/295 280/32.5 280/47.11 280/47.34 280/47.371 280/47.38 280/62 280/621 280/622 280/623 280/624 280/625 280/626 280/627 280/628 280/629 280/7.17

[Classification Explorer](#)

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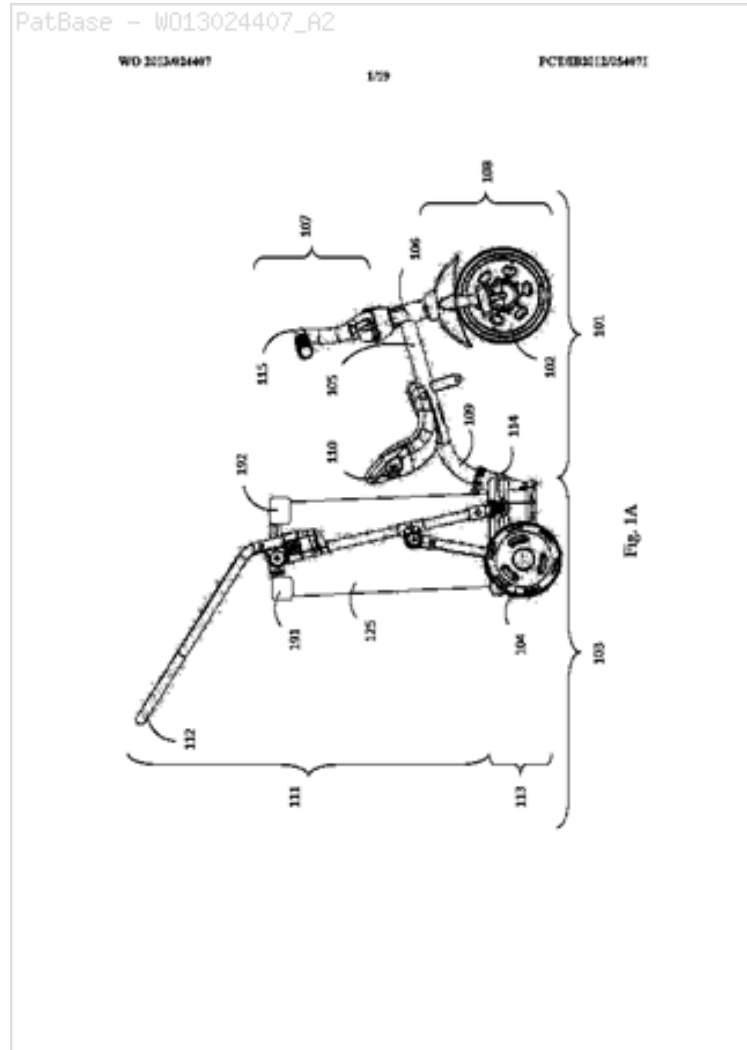
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CN2752153 Y, CN2405850 Y, CN202783561 U, CN201825196 U, CN201825196 A, CN1440343 A, CN1303800 A, CN1120783 C, CN1120783 A, CN101691130 A,

Forward Citations: WO16111419, WO15156480, WO15028903, USD735090, USD730248, US9610999, US9475539, US9475534, US9371109, US9321499, US9193415, US9162727, US9150273, US8998233, US2016375949, US2016280297, US2016068218, US2015091272, US2014210178, US2014159335, US2014138932, US2014084563, KR101553699, JP2015526345, CN103895682, CN102923228,

Abstract:

Source: US2013038030A A tricycle may be operable between a first mode of operation steerable by a tricycle rider, and a second mode of operation steerable by an individual pushing the tricycle. A rider handle, in the first mode, may be rotationally coupled with the stem in a manner permitting a tricycle rider to exert forces on the rider handle and thereby turn the fork, and the rider handle in the second mode, may be rotationally uncoupled from the stem, preventing forces on the rider handle from turning the fork. At least one rotation restrictor may be included for preventing the front wheel from turning to a position where the front wheel axis leads the stem axis, and for maintaining the front wheel axis in a position trailing the stem axis in the first mode and in the second mode.



0) US2014265431A – METHOD AND APPARATUS FOR MINIMIZING DRAG–INDUCE...

2) Family number: 56778292 (US2014265431A)

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Title: METHOD AND APPARATUS FOR MINIMIZING DRAG–INDUCED FORCES ON A WHEELED VEHICLE

Priority: US20120745357P 20121221 US20130799005 20130313 US20150727828 20150601
US20150727823 20150601 US20150727832 20150601 US20140479699 20140908
WO2013US70498 20131118 US20150727835 20150601

Family:	Publication number	Publication date	Application number	Application date
	AR092382 AA	20150422	AR2013P105010	20131220
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Probable Assignee: MAGEE GARTH

Assignee(s):^(std): MAGEE GARTH ; MAGEE GARTH L

Assignee(s): GARTH L MAGEE

Inventor(s):^(std): GARTH L MAGEE ; MAGEE GARTH L

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CARLOS R OLARTE GARCIA; VIERING JENTSCHURA AND PARTNER PATENT U RECHTSANWAELTE

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

International class
(IPC 8–9): [B60A21/02](#) [B60B1/00](#) [B60B1/02](#) [B60B1/04](#) [B60B1/06](#) [B60B21/00](#) [B60B21/02](#) [B60B3/00](#) [B60B3/08](#) [B60B3/10](#) [B60B7/00](#) [B60C11/03](#) [B60C11/04](#) [B60C11/11](#) [B60R19/00](#) [B62D25/18](#) [B62D35/00](#) (Advanced/Invention); [B60B3/00](#) (Advanced/Non–invention)

CPC: [B60B7/0066](#) [B60C11/0302](#) [B60B3/02](#) [B60B3/08](#) [B60C19/00](#) [B60C11/03](#) [B60B7/0006](#) [B60B1/003](#) [B60B1/02](#) [B60B1/041](#) [B60B1/06](#) [B60Y2200/13](#) [B60C11/0327](#) [B60C11/11](#) [B60C2011/0337](#) [B60B3/007](#) [B60B2900/1216](#) [B60B3/10](#) [B60B3/00](#) [B60B7/00](#) [B60C11/0306](#) [B62D25/18](#) [B60B1/0261](#) [Y10T29/49492](#) [B62D35/00](#) [B60B1/0246](#) [B60C2200/10](#) [B60C2200/14](#)

US class: [1/1](#) [152/209.1](#) [29/894.3](#) [296/180.1](#) [301/104](#) [301/37.41](#) [301/55](#) [301/64.101](#) [301/64.201](#)

[Classification Explorer](#)

Cited documents: WO9857812 A1, USD673494 S1, USD634249 S1, USD612781 S1, USD500003 S1, USD460942 S1, USD451877 S1, USD396441 S1, USD377158 S1, USD323306 S1, USD103351 S1, US8256826 BB, US7997640 BA, US7775540 BB, US7641238 BB, US7520534 BB, US7364220 BB, US7322592 BB, US6974178 BB, US6913323 BB, US6554370 BB, US6446994 BA, US6325462 BA, US6231129 BA, US622997 A, US6086161 A, US6017076 A, US5853216 A, US5779323 A, US5775454 A, US5377734 A, US5350221 A, US5348328 A, US5332295 A, US5246275 A, US521587 A, US5096264 A, US5080444 A, US5061013 A, US4930844 A, US4919490 A, US4913256 A, US4813583 A, US4773663 A, US4655497 A, US4640541 A, US451206 A, US449220 A, US4486046 A, US4411443 A, US4326728 A, US4262953 A, US4027836 A, US3884527 A, US3579408 A, US3549205 A, US3101163 A, US2460349 A, US2016068015 AA, US2014265431 AA, US2012312609 AA, US2012061989 AA, US2011080019 AA, US2011074129 AA, US2010327625 AA, US2010231028 AA, US2010164245 AA, US2010066123 AA, US2009236902 AA, US2008296962 AA, US2008284237 AA, US2008150314 AA, US2007151644 AA, US2007126254 AA, US2005173971 AA, US2005029032 AA, US1506098 A, US1502759 A, US1027806 A, DE8912607 U,

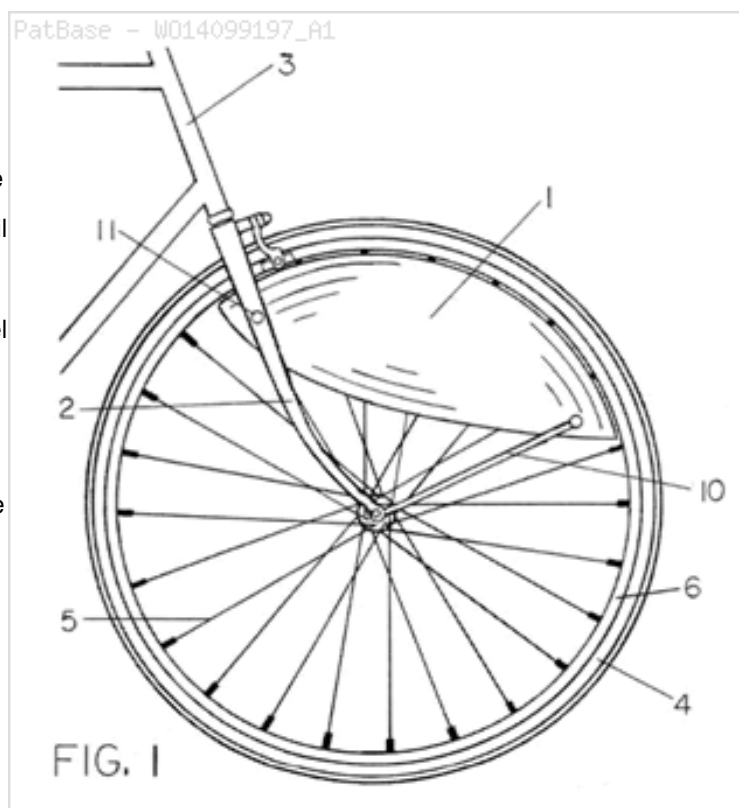
DE202007007708 U1

DE102006038182 A1

Forward Citations: US9567016, US2015258847,

Abstract:

Source: US2014265431A An aerodynamically optimized drag-reduction means and method for optimal minimization of the drag-induced resistive forces upon a terrestrial vehicle wheel, where the drag-induced resistive moments on wheel surfaces pivoting about the point of ground contact are reduced, and the vehicle propulsive forces needed to countervail the resistive forces on the wheel are reduced. The drag reduction means includes: a streamlined wheel cover positioned on a vehicle to shield the faster moving upper wheel surfaces from headwinds; a streamlined wind-deflecting fairing positioned on a vehicle to shield the faster moving upper wheel surfaces from headwinds; an engine exhaust pipe disposed on a vehicle whereby exhaust gases deflect headwinds to shield the faster moving upper wheel surfaces of an automotive wheel; an automotive spoked wheel having streamlined oval-shaped wheel spokes arranged in one or more rows for greater axial strength; a streamlined tailfin rotatably attached to a wheel spoke, which thereby may pivot about the spoke in response to varying crosswinds; and a tire having streamlined tread blocks arranged in an aerodynamic pattern.



3) Family number: 47721075 (US2012043150A)

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Title: MOTORCYCLE**Priority:** EP20100780576 20100526 JP20090127161 20090527 WO2010JP58920 20100526

Family:	Publication number	Publication date	Application number	Application date
	BRPI1011381 A2	20160315	BR2010PI11381	20100526
	CN102421662 A	20120418	CN201080020973	20100526
	CN102421662 B	20140326	CN201080020973	20100526
	CO6480945 A2	20120716	CO20110177485	20111223
	DE602010017061 D1	20140807	DE201060017061T	20100526
	EP2436584 A1	20120404	EP20100780576	20100526
	EP2436584 A4	20130220	EP20100780576	20100526
	EP2436584 B1	20140625	EP20100780576	20100526
	ES2478443 T3	20140722	ES20100780576T	20100526
	IN03360KN2011 A	20120302	IN2011KN03360	20110809
	JP2012162094 A2	20120830	JP20090127161	20090527
	MX2011012577 A1	20120130	MX20110012577	20100526
	MY156547 A	20160226	MY20110005141	20100526
	TH115277 A	20120731	TH20111001776	20100526
	TH50126 B	20160628	TH20111001776	20100526
	US2012043150 AA	20120223	US20100318175	20100526
	US8464823 BB	20130618	US20100318175	20100526
	VN12011 A1	20131225	VN20110002627	20100526
	WO10137621 A1	20101202	WO2010JP58920	20100526

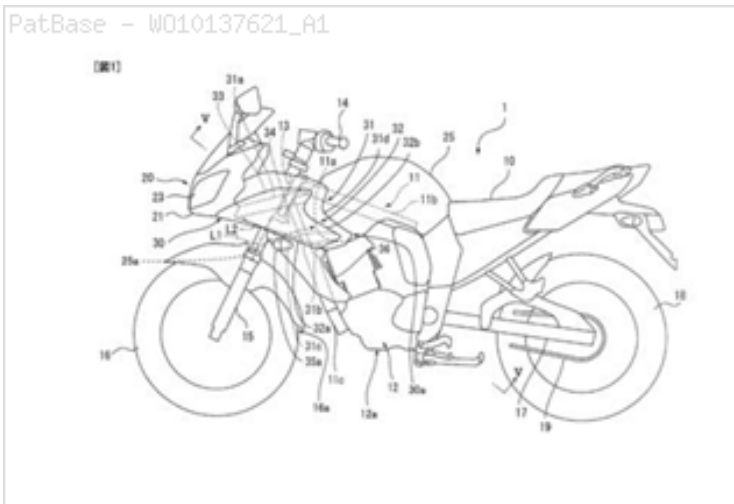
Probable Assignee: YAMAHA HATSUDOKI KK**Assignee(s):^(std):** IIMURA TAKESHI ; KAWASAKI YASUHIRO ; MIYAZAKI TAKAAKI ; NAKAO KOUTA ; YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** IIMURA TAKESHI ; KAWASAKI YASUHIRO ; KOUTA NAKAO ; MIYAZAKI TAKAAKI ; NAKAO KOTA ; NAKAO KOUTA ; TAKAAKI MIYAZAKI ; TAKESHI IIMURA ; YASUHIRO KAWASAKI**Agent(s):** GRUENECKER PATENT U RECHTSANWALTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; UNGRIA JAVIER; KEATING AND BENNETT LLP; SHINJYU GLOBAL IP**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**International class**
(IPC 8-9): B60K11/06 B62D61/02 B62J17/00 B62J17/02 B62J23/00 B62J6/00 B62J99/00
B62K11/02 (Advanced/Invention);
B62J17/00 (Core/Invention)**International class**
(IPC 1-7): B62J17/02 B62J23/00 B62J6/00 B62J99/00**CPC:** B62J17/02**European class:** B62J17/02**US class:** 180/219 180/219S 180/229

Cited documents: US2012318598 AA, US2009178870 AA, US2009108630 AA, US2009108629 AA, US2009079156 AA, JP3150238 U, JP2009107569 A2, JP2009107568 A2, JP2004210227 A2, CN101423087 A, CN101423085 A,

Forward Citations: WO16170689, US9598135, JP6051188, JP2016068851, EP2889207, DE102015012607, AU2016200143, AU2016200143,

Abstract:

Source: US2012043150A A motorcycle prevents an increase in air resistance and prevents wind and mud from hitting a rider during travelling of the motorcycle. A side cover of the motorcycle includes a first side cover and a second side cover. The first side cover is disposed laterally outwards of a head pipe and a front fork. The second side cover is disposed laterally outwards of a portion of the first side cover. A lateral end of the second side cover is positioned laterally outwards of the first side cover. A rear edge of the first side cover is at least partially positioned rearwards of a rear edge of the second side cover.



0) US4401316A – FRONT SUSPENSION FOR MOTOCYCLE

4) Family number: 29829439 (US4401316A)

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Title: Front suspension for motorcycle

Priority: CA19810373149 19810317 CA19810373187 19810317 DE19813110369 19810317
 JP19800033753 19800317 JP19800035665 19800319 JP19800037758U 19800321
 JP19800037758 19800321 JP19800033752 19800317 JP19800033752 19800317
 JP19800064420 19801117 JP19800048423U 19800410 JP19800161615 19801117
 JP19800164420U 19801117 JP19800048423 19800410

Family:

Publication number	Publication date	Application number	Application date
<u>AU198168345 A1</u>	19811015	AU19810068345	19810313
<u>AU198168346 A1</u>	19811015	AU19810068346	19810313
<u>AU528294 B2</u>	19830421	AU19810068345	19810313
<u>AU530803 B2</u>	19830728	AU19810068346	19810313
<u>CA1152896 A1</u>	19830830	CA19810373149	19810317
<u>CA1152897 A1</u>	19830830	CA19810373187	19810317
<u>DE3110288 A1</u>	19811224	DE19813110288	19810317
<u>DE3110369 A1</u>	19820218	DE19813110369	19810317
<u>DE3110369 C2</u>	19890524	DE19813110369	19810317
<u>DE3153297 C2</u>	19890413	DE19813153297	19810317
<u>FR2478010 A1</u>	19810918	FR19810005208	19810316
<u>FR2478010 B1</u>	19870619	FR19810005208	19810316
<u>FR2478011 A1</u>	19810918	FR19810005209	19810316
<u>FR2478011 B1</u>	19880226	FR19810005209	19810316
<u>GB2075442 A1</u>	19811118	GB19810008200	19810316
<u>GB2075442 B2</u>	19840208	GB19810008200	19810316
<u>GB2075443 A1</u>	19811118	GB19810008201	19810316
<u>GB2075443 B2</u>	19840208	GB19810008201	19810316
<u>IT1170810 A</u>	19870603	IT19810048033	19810316
<u>IT1170811 A</u>	19870603	IT19810048034	19810316
<u>IT8148033 A0</u>	19810316	IT19810048033	19810316
<u>IT8148034 A0</u>	19810316	IT19810048034	19810316
JP1457788 C3	19880909	JP19800161615	19801117
<u>JP56131476 A2</u>	19811015	JP19800161615	19801117
<u>JP56131477 A2</u>	19811015	JP19800033753	19800317
<u>JP56131478 A2</u>	19811015	JP19800035665	19800319
<u>JP56138785 U1</u>	19811020	JP19800037758U	19800321
<u>JP56138786 U1</u>	19811020	JP19800164420U	19801117
<u>JP56148985 U1</u>	19811109	JP19800048423U	19800410
<u>JP56167576 A2</u>	19811223	JP19800033752	19800317
<u>JP59031509 Y2</u>	19840906	JP19800037758U	19800321
<u>JP60037901 Y2</u>	19851112	JP19800164420U	19801117
<u>JP61003750 Y2</u>	19860205	JP19800048423U	19800410
<u>JP63003798 B4</u>	19880126	JP19800161615	19801117
<u>US4401316 A</u>	19830830	US19810243054	19810312
<u>US4406475 A</u>	19830927	US19810243052	19810312

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):^(std): HONDA GIKEN KOGYO KK ; HONDA MOTOR CO LTD

Assignee(s):

MIYAKOSHI SHINICHI ; ISONO TOKIO ; HONDA GIKEN KOGYO ALSO TRADING
HONDA MOTOR CO LTD AS KK ; HONDA GIKEN KOGYO K K ; HONDA GIKEN
KOGYO K K TOKIO TOKYO JP ; HONDA GIKEN KOGYO KABUSHIKI KAISHA

Inventor(s):^(std): ISONO T ; ISONO TOKIO ; MIYAKOSHI S ; MIYAKOSHI SHINICH ; MIYAKOSHI
SHINICHI ; MYAKOSHI SHINICHI ; S MIYAKOSHI ; SHINICH MIYAKOSHI ; SHINICHI
MIYAKOSHI ; SHINICHI MIYAKOSHI ET TOKIO ISONO ; T ISONO ; TOKIO ISONO

Inventor(s): MIYAKOSHI SHINICHI FUJIMI SAITAMA JP ; ISONO TOKIO NAKANO TOKIO TOKYO
JP ; ISONO TOKIO TOKIO TOKYO JP

Agent(s): DAVIES COLLISON CAVE PTY LTD; JOHNSON DOUGLAS S QC

International class B62K25/12 B62K25/16 B62K25/18 B62K25/24 (Advanced/Invention);
(IPC 8-9): B62K25/04 (Core/Invention)

International class B62K25/04 B62K25/12 B62K25/16 B62K25/18 B62K25/24
(IPC 1-7):

CPC: B60G2200/10 B60G2204/4222 B60G2204/423 Y10T74/20786 B62K25/24 B60G2200/466

European class: B62K25/24 L60G200/100 L60G200/466 L60G204/4222 L60G204/423

US class: 180/229 280/277 280/279 74/551.2 D12/110

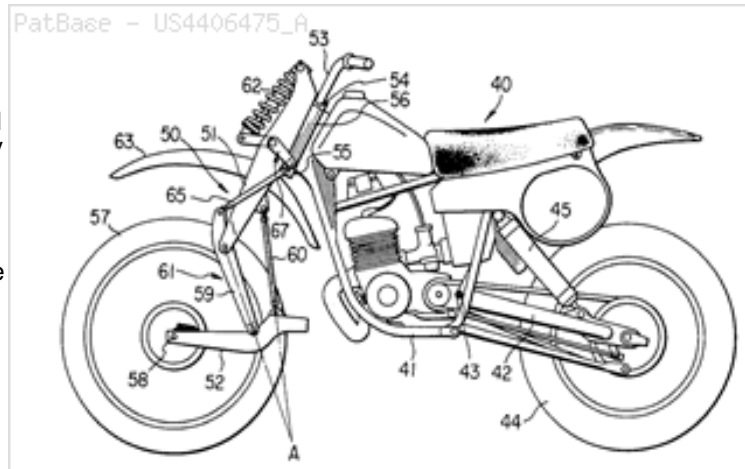
[Classification Explorer](#)

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A, FR2497170 A1, FR2418742 A1, EP0032170 A2, EP0030306 A2, EP0001344 A1,
AT155097 B,

Forward Citations: WO9604165, WO8603467, WO11038431, USD666947, USD438913, US9132882,
US8851484, US8783704, US8746721, US8534692, US8448970, US7896379,
US7887077, US6715577, US6457732, US5431426, US4723621, US4629205,
US4570963, US4533153, US4531755, US4444406, US2014361506, US2010096207,
US2008202827, US2007004488, US2007003910, TWI359749, TWI347274, TWI329085,
JP60189686, JP57087773, JP4694451, JP4239597, JP2008080882, JP1317817,
JP1119792, ITVB20090001, GB2490526, FR3004415, FR2574041, FR2506711,
EP2792587, EP1104738, DE3345302, DE3151312, DE3140208,

Abstract:

Source: US4401316A A front wheel suspension for a motorcycle including at least one first linkage in the form of a four-bar linkage having an upper fork assembly pivoted to the vehicle frame and a lower fork assembly supporting the front wheel, the upper fork assembly and the lower fork assembly being connected with each other through front and rear arms which are both pivotable, and at least one shock absorber, wherein at least one second linkage is interposed between the first linkage and the shock absorber, the second linkage having an input part pivotably connected to the first linkage and an output part pivotably connected to one of the ends of the shock absorber, the output part being movable by a progressive displacement additional to a displacement of the input part with respect to a direction substantially effective for the shock absorber to exhibit the function thereof. The shock absorber is operated at a larger increasing rate of the stroke thereof, the road irregularity following performance is further improved, the center of gravity of the motorcycle can be lowered by lowering the driver's seat, and the diving of the front wheel unit while braking can be reduced.



0) EP2147851A1 – MOTORCYCLE MOTORRAD MOTOCYCLETTE

5) Family number: 44262230 (EP2147851A1)

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Title: MOTORCYCLE

Priority: EP20090009561 20090723 EP20090009562 20090723 JP20080190450 20080724
 JP20090042957 20090225 JP20090042971 20090225 JP20090042922 20090225
 JP20090114020 20090508 JP20090114018 20090508 JP20090114017 20090508
 JP20090042984 20090225 JP20090114019 20090508

Family:

Publication number	Publication date	Application number	Application date
<u>BRPI0902834 A2</u>	20100525	BR2009PI02834	20090723
<u>CN101633381 A</u>	20100127	CN200910161220	20090724
<u>CN101633381 B</u>	20110706	CN200910161220	20090724
<u>CN101633388 A</u>	20100127	CN200910160185	20090724
<u>CN101633388 B</u>	20120905	CN200910160185	20090724
<u>CN101634243 A</u>	20100127	CN200910161224	20090724
<u>CN101634243 B</u>	20120606	CN200910161224	20090724
<u>CN101634270 A</u>	20100127	CN200910161226	20090724
<u>CN101634270 B</u>	20120104	CN200910161226	20090724
<u>DE602009022118 D1</u>	20140417	DE200960022118T	20090723
<u>DE602009029056 D1</u>	20150305	DE200960029056T	20090723
<u>EP2147851 A1</u>	20100127	EP20090009561	20090723
<u>EP2147851 B1</u>	20140305	EP20090009561	20090723
<u>EP2148058 A2</u>	20100127	EP20090009562	20090723
<u>EP2148058 A3</u>	20130313	EP20090009562	20090723
<u>EP2148058 B1</u>	20150121	EP20090009562	20090723
<u>EP2148083 A2</u>	20100127	EP20090009560	20090723
<u>EP2148083 A3</u>	20141224	EP20090009560	20090723
<u>ES2464456 T3</u>	20140602	ES20090009561T	20090723
<u>ES2534051 T3</u>	20150416	ES20090009562T	20090723
<u>IN00971KO2009 A</u>	20100611	IN2009KO00971	20090714
<u>IN00977KO2009 A</u>	20100611	IN2009KO00977	20090716
<u>IN00978KO2009 A</u>	20100611	IN2009KO00978	20090716
<u>JP2010221987 A2</u>	20101007	JP20090114019	20090508
<u>JP2010221988 A2</u>	20101007	JP20090114020	20090508
<u>JP2010223210 A2</u>	20101007	JP20090114017	20090508
<u>JP2010223211 A2</u>	20101007	JP20090114018	20090508
<u>PH2009000217 A</u>	20110815	PH20090000217	20090708
<u>PH2009000225 A</u>	20110801	PH20090000225	20090714
<u>PH2009000229 A</u>	20110801	PH20090000229	20090715
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<u>TH41057 B</u>	20140806	TH20091003310	20090722
<u>TH42452 B</u>	20141225	TH20091003311	20090722
<u>TH49798 B</u>	20160609	TH20091003309	20090722
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<u>TW201020388 A</u>	20100601	TW20090123101	20090708

<u>TWI372694 B</u>	20120921	TW20090123102	20090708	
<u>TWI383903 B</u>	20130201	TW20090123106	20090708	
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<u>VN11383 A1</u>	20130625	VN20090001507	20090716	
<u>VN14821 A1</u>	20151225	VN20090001508	20090716	

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD ; YAMAHA MOTOR CORP

Assignee(s): YAMAHA MOTOR CO LTD JP ; YAMAHA HATSUDOKI IWATA KK ; YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO

Inventor(s):^(std): GOUKE ; GOUKE TAKAYUKI ; HIROYUKI TSUZUKU ; ISHI ; ISHI WATARU ; ISHII KO ; HASHIMOTO YOSHIHIRO ; ISHIZUKA YASUSHI ; KO ISHII ; KYOJI MORITA ; KYOUJI MORITA ; MATSUBARA ; MATSUBARA TOSHIO ; MIYAKODAKE HIROYUKI ; MIZUSHIMA GENSHO ; MIZUSHIMA MOTOAKI ; MORITA KYOJI ; MORITA KYOUJI ; RATAKASH NAGAI ; SATOIE TAKAYUKI ; TAKAYUKI GOKE ; TAKAYUKI GOUKE ; TOMOYASU ATSUMI ; TOSHIO MATSUBARA ; TSUJIKU HIROYUKI ; TSUZUKU ; TSUZUKU HIROYUKI ; WATARU ISHI ; ISHII WATARU ; ATSUMI TOMOYASU ; WATARU ISHII ; YASUSHI ISHIZUKA ; YOSHIHIRO HASHIMOTO ; YOSHITAKA NAGAI ; NAGAI YOSHITAKA ; NAGAI YOSHITAKU

Inventor(s): TOSHIO MATSBARA ; NAGAI RATAKASH ; HIROYUKI MIYAKODAKE ; GENSHO MIZUSHIMA ; GOKE TAKAYUKI

Agent(s): SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB PATENTANWAELTE; ZIMMERMANN TANKRED KLAUS; ARIZTI MONICA; MANUEL C CASES JR AND ASSOCIATES

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

International class
(IPC 8-9): B60K11/06 B60K11/08 B60K13/00 B60K5/00 B62J23/00 B62J35/00 B62J37/00 B62J9/00 B62J99/00 B62K11/00 B62K19/30 B62M7/00 B62M7/02 B62M7/06 F01P1/06 F01P1/08 F01P1/10 F01P5/06 F02B23/00 F02B61/02 F02D9/02 F02D9/08 F02D9/10 F02F1/28 F02M23/12 F02M35/10 F02M35/104 F02M35/16 F02M39/00 F02M53/00 F02M61/14 F02M69/00 F02M69/04 F02M69/32 (Advanced/Invention); B60K13/00 B62J37/00 B62K11/00 B62M7/00 F01P1/00 F01P5/06 F02B23/00 F02B61/02 F02D9/08 F02D9/10 F02M23/12 F02M69/00 F02M69/30 F02M69/32 (Core/Invention); B60K11/06 B60K11/08 B60K5/00 B62K19/30 B62M7/00 F02M35/108 F02M39/00 F02M61/14 F02M69/04 (Core/Non-invention)

International class
(IPC 1-7): B60G21/00 B60K13/00 B62J37/00 B62K11/00 F01P1/08 F01P1/10 F01P5/06 F01P7/00 F02B23/00 F02B61/02 F02D41/22 F02D9/08 F02D9/10 F02M23/12 F02M69/00 F02M69/32

CPC: Y02T10/125 Y02T10/146 F02M69/047 B62K2202/00 F02B61/02 F02D2009/0272 F02M23/12 F02M35/10032 F02M35/10052 B62J37/00 F02M69/32 Y02T10/14 F02M35/108 F01P1/06 F01P2050/16 F02D9/1055 F02D9/109 F02M35/10216 F02M35/10222 F02M35/162 F02M53/08 F02M69/044

European class: B62J37/00 F01P1/08 F01P1/10 F02D9/10T F02M23/12 F02M35/108 F02M35/10A6C F02M35/10A6S F02M35/10F2 F02M35/10F4 F02M35/16C F02M69/04C2 F02M69/04D F02M69/32 L62K202/00 R02B61/02 R02D9/02T300

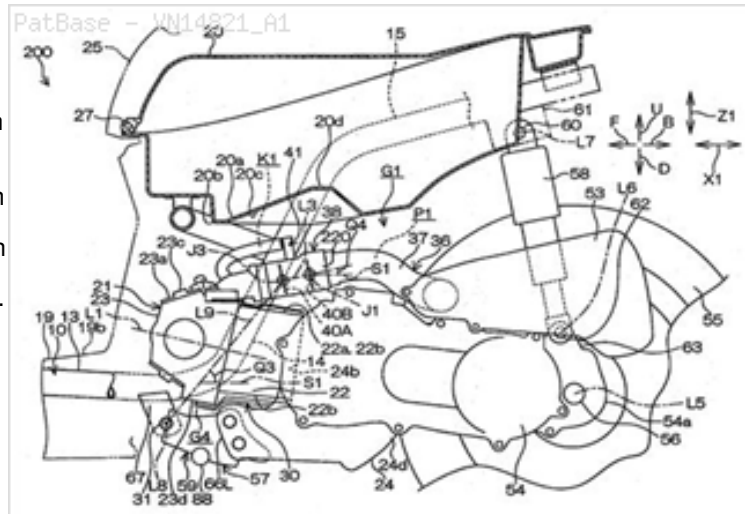
[Classification Explorer](#)

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Forward Citations: WO14054492, US9163550, US8590511, TWI516387, TWI487835, JP6107381, JP6002648, JP5841733, JP5552033, JP5351588, JP2015068320, JP2014214675, JP2012202389, JP2012112337, JP2010236452, GB2512447, EP2905210, CN104685181, CN104602999, CN104514638, CN103359213, CN103359213, CN103216302, CN103216301, CN103216301, CN103204206, CN103204206,

Abstract:

Source: EP2147851A1 An engine unit (30) disposed below a storage box is pivotable about a pivot shaft (31) together with a rear wheel with respect to a vehicle body frame. An air intake pipe (36) that defines a part of a main air intake passage (P1) is connected to an engine body (21) of the engine unit (30). An auxiliary air intake passage (K1) branched from the main air intake passage (P1) between a first and second throttle valves (40A, 40B) disposed in the air intake pipe (36) is provided. The auxiliary air intake passage (K1) guides intake air into a space adjacent to an injector at least during idling. A pivot shaft (31) is disposed at a lower position than a cylinder axis (L1) of a cylinder block (22) and in a forward direction with respect to a crank case (24).



0) US2004251715A – BICYCLE WITH COVER

6) Family number: 28881436 (US2004251715A)

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Title: BICYCLE WITH COVER

Priority: JP20020012770 20020122 JP20020058113 20020305 JP20020101090 20020403
JP20020120060 20020423 WO2002JP07154 20020715 JP20020145748 20020521

Family:	Publication number	Publication date	Application number	Application date
	<u>AR040092 AA</u>	20050316	AR2003P101765	20030521
	<u>CN1531494 A</u>	20040922	CN20028003409	20020715
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	<u>EP1468903 A4</u>	20080319	EP20020746045	20020715
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	<u>JP2004082746 A2</u>	20040318	JP20020101090	20020403
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	<u>US2004251715 AA</u>	20041216	US20040492225	20040408
	<u>US7090279 BB</u>	20060815	US20040492225	20040408
	<u>WO03062037 A1</u>	20030731	WO2002JP07154	20020715

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Assignee(s):^(std): SHIROUMA SAIENSU K K ; SHIROUMA SAIENSU KABUSHIKI KAI ; TAHARA YOSHIMASA ; SHIROUMA SCIENCE CO LTD

Assignee(s): SHIROUMA SAIENSU KABUSHIKI KAISHA ; SHIROUMA SAIENSU KK ; SHIROUMA SCIENCE CO

Inventor(s):^(std): TAHARA YOSHIMASA ; TAWARA YOSHIMASA ; YOSHIMASA TAHARA

Agent(s): JORDAN AND HAMBURG LLP

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

International class
(IPC 8-9): B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J17/08 B62J23/00 B62J6/02 B62J6/04 B62J99/00 B62K5/04 B62M6/60 B62M6/80 B62M9/00 (Advanced/Invention);
B62J17/00 (Advanced/Non-Invention);
B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J23/00 B62J6/00 B62J99/00 B62K5/00 B62M6/00 B62M9/00 (Core/Invention)

International class
(IPC 1-7): B60J5/06 B62D33/06 B62J1/00 B62J15/00 B62J17/00 B62J17/08 B62J23/00 B62J39/00 B62J6/02 B62J6/04 B62K5/04 B62M23/02 B62M9/00

CPC: B62K5/02 B62J17/08

European class: B62J17/08 B62K5/02

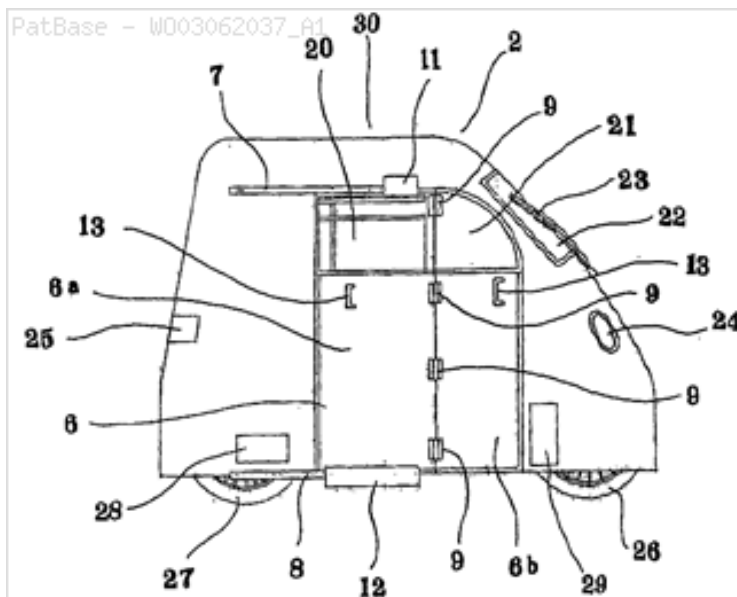
US class: 296/155 296/77.1 296/78.1

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Forward Citations: WO14003302, WO10044630, WO10044630, WO10026585, WO05100144, US8528852, US8366171, US8333398, US8287023, US7815238, US7374190, US7096628, US2012181772, US2011163557, US2010116577, US2007045983, US2006043760, KR100975660, JP4350406, JP2011121378, JP2008505801, JP2004231166, EP2327571,

Abstract:

Source: US2004251715A The present invention provides a man-driven vehicle equipped with a cover structure practically covering a whole of the vehicle wherein the cover structure is provided with an openable and closable door way substantially comprising a door 6, 506, a detachable cover 112, a rotatable cover 212, 312, 403, and a slide cover 313 cooperating one with another so as to facilitate a driver to get on or off the vehicle. The cover structure additionally comprises a ground contacting skirt 530 and a floor panel 617 so that the vehicle can be comfortably driven even in adverse weather with the cover structure closed and, particularly in fine weather, the vehicle also can be driven with the cover structure opened.



0) US2003231485A – TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVI...

7) Family number: 28290889 (US2003231485A)

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Title: TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVICE

Priority:

US20020094155	20020308	US20020094156	20020308	US20020170584	20020614
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: TORMACH LLC

Assignee(s):^(std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC

Inventor(s):^(std): CHIEN TSENG LU ; CHIEN TSENG L ; CHIEN TAENG LU

Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC; ROBERT

International class
(IPC 8-9):
A41D27/08 A41G1/00 A42B1/24 A43B3/00 A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 F21K2/00 F21K9/232 F21K99/00 F21L13/00 F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/02 F21S10/06 F21S2/00 F21S4/00 F21S6/00 F21S8/00 F21S8/08 F21S9/02 F21V1/00 F21V1/10 F21V11/00 F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08 F21V15/01 F21V17/00 F21V17/02 F21V19/00 F21V19/02 F21V21/00 F21V21/005 F21V21/08 F21V21/092 F21V21/14 F21V21/22 F21V21/26 F21V21/30 F21V23/00 F21V23/02 F21V23/04 F21V23/06 F21V25/02 F21V29/00 F21V29/502 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/00 F21V5/04 F21V7/00 F21V7/04 F21V8/00 F21V9/00 F21V9/16 G01J5/00 G01S3/786 G02B27/22 G02F1/13 G02F1/1335 G02F1/13357 G03B1/00 G03B15/03 G03B19/18 G03B21/00 G03B21/14 G03B21/20 G03B23/00 G03B29/00 G03B3/00 G03H1/22 G04B19/04 G04B19/30 G04B37/12 G04B47/00 G04C10/00 G04C19/00 G04G99/00 G06F1/26 G06K9/00 G06T7/00 G06T7/20 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F9/33 G09G3/30 G09G3/32 H01L21/00 H01L21/68 H01R11/00 H01R13/66 H01R25/00 H01R27/00 H01R3/00 H01R33/00 H01R33/009 H01R39/00 H02G3/14 H02J4/00 H02J7/00 H02J7/02 H02M1/00 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/33 H04N5/76 H04N7/18 H04N9/31 H05B33/08 H05B37/02 H05B41/30 (Advanced/Invention);
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B60R13/02 G02B5/32 (Core/Non-invention)

International class
(IPC 1-7):
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CPC:
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F21K9/232 F21K9/238 F21V14/02 F21V23/006 H02J7/0052

European class:

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T01R24/76 Y02B10/30

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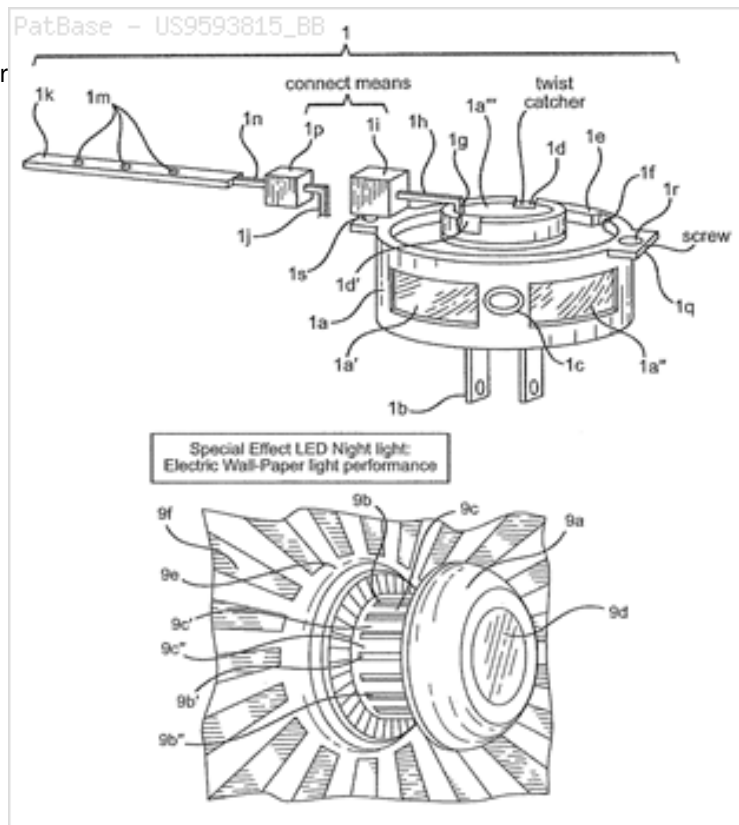
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Abstract:

Source: US2003231485A A tubular Electro-Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper inverter system. The said panel(s) with much narrow width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.



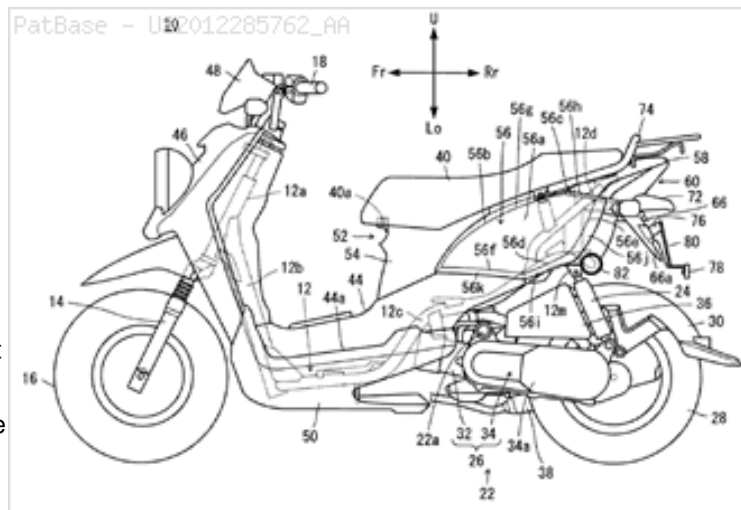
8) Family number: 51113433 (US2012285762A)**Title:** MOTORCYCLE**Priority:** JP20100260041 20101122**Family:**

Publication number	Publication date	Application number	Application date
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EP2455279 A1	20120523	EP20110190100	20111122
JP2012111278 A2	20120614	JP20100260041	20101122
TW201226254 A	20120701	TW20110141090	20111110
TWI477419 B	20150321	TW20110141090	20111110
US2012285762 AA	20121115	US20110294206	20111111

Probable Assignee: YAMAHA HATSUDOKI KK**Assignee(s):^(std):** WEICHENG LU ; YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** LU WEI CHENG ; LU WEICHENG ; WEICHENG LU**Agent(s):** GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER**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**International class**
(IPC 8-9): [B62J15/00](#) [B62J17/00](#) [B62J23/00](#) [B62K11/00](#) [B62K11/02](#) [B62K11/04](#) [B62K11/10](#) [B62M7/02](#) (Advanced/Invention)**CPC:** [B62K19/46](#) [B62J15/00](#) [B62K11/10](#) [B62K2202/00](#)**European class:** [B62J15/00](#) [B62K11/10](#) [B62K19/46](#) [L62K202/00](#)**US class:** [180/219](#)[Classification Explorer](#)**Cited documents:** WO09038050 A1, US8579064 BB, US5183130 A, US4697842 A, US4632210 A, US4422659 A, US2009090576 AA, US2009079156 AA, US2008093147 AA, US2006027407 AA, US2003132048 AA, TW201033062, TW201020162, TW200932613, JP4322309 B1, JP2008273407 A2, JP2001058591 A2, JP10218058 A2, CN1730346 A, CN101293544 A,**Forward Citations:** US9381966, US8905178, US2015042064, US2013313034, JP2015030440, CN103847867,

Abstract:

Source: US2012285762A A motorcycle includes a motorcycle frame, a pivoting unit, a seat, and a motorcycle body cover which includes side covers. The pivoting unit includes a drive unit, a rear wheel and a rear fender, and is supported pivotably by the motorcycle frame. Each side cover includes a first lower edge portion extending obliquely in a rearward and upward direction, and a second lower edge portion extending from a rear end of the first lower edge portion obliquely in a rearward and upward direction. The side cover includes a rear end, which is at a more forward position than the center of the rear wheel. The rear fender covers the rear wheel from above, and extends from below the first lower edge portion and the second lower edge portion to a more rearward position than the rear end of the rear wheel in a side view.



9) Family number: 44209960 (US2010001551A)

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Title: MOTORCYCLE BODY COVER STRUCTURE AND MOTORCYCLE INCORPORATING SAME**Priority:** JP20080177150 20080707**Family:**

Publication number	Publication date	Application number	Application date
AR073344 AA	20101103	AR2009P102502	20090703
BRPI0901762 A2	20100413	BR2009PI01762	20090630
CN101624083 A	20100113	CN200910149598	20090706
CN101624083 B	20110727	CN200910149598	20090706
JP2010013065 A2	20100121	JP20080177150	20080707
JP5129672 B2	20130130	JP20080177150	20080707
MX2009007250 A1	20100301	MX20090007250	20090703
US2010001551 AA	20100107	US20090459659	20090706
US8177250 BB	20120515	US20090459659	20090706

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** FUKUYAMA KEI ; HONDA MOTOR CO LTD ; KOJIMA TAKAMASA**Assignee(s):** HONDA GIKEN KOGYO K K ; HONDA MOTOR CO**Inventor(s):^(std):** FUKUYAMA KEI ; KEI FUKUYAMA ; KOJIMA TAKAMASA ; TAKAMASA KOJIMA**Agent(s):** CARRIER BLACKMAN AND ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES PC; WILLIAM D; JOSEPH P

International class
 (IPC 8-9): [B62D25/00](#) [B62D25/08](#) [B62J15/00](#) [B62J15/04](#) [B62J23/00](#) [B62J35/00](#) [B62J6/02](#) [B62J9/00](#)
[B62J99/00](#) [B62K11/00](#) [B62K19/48](#) (Advanced/Invention);
[B62D25/00](#) [B62J15/00](#) [B62J23/00](#) [B62J6/00](#) [B62J99/00](#) [B62K19/00](#) (Core/Invention)

International class
 (IPC 1-7): [B62J15/00](#) [B62J17/00](#)

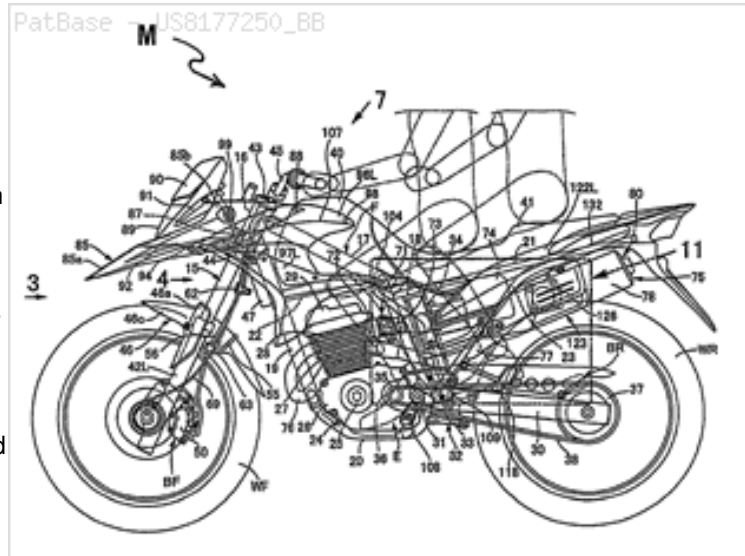
CPC: [B62J17/00](#) [B62K11/04](#)**European class:** [B62J17/00](#) [B62K11/04](#)**US class:** [180/229](#) [280/288.4](#) [296/192](#) [296/192P](#)[Classification Explorer](#)

Cited documents: US7967337 BB, US7556115 BB, US7520359 BB, US7510229 BB, US7325639 BB, US7007998 BB, US6905160 BB, US5107949 A, US4354570 A, US4019774 A, US2007024089 AA, US2003132048 AA, US2002153187 AA, JP5000686 A2, JP2053681 A2, JP2009161027 A2, JP2008120367 A2, JP2008100611 A2, JP2007186128 A2, JP2006282050 A2, JP2006015930 A2, JP2005178621 A2, JP2003212175 A2, JP1275282 A2,

Forward Citations: US9187049, US8910993, US8887851, US2016214672, US2015076790, US2013075184, US2012292948, TWI576262, TWI557017, KR20140139003, KR101634029, JP5841785, JP5751979, JP2013166505, JP2013140891, JP2013060101, JP2013035311, EP3069972, EP2889207, EP2860088, EP2829463, EP2829463, EP2628671, EP2610113, CN104203737, CN103183073, CN103183073, CN102785730, CN102785730,

Abstract:

Source: US2010001551A A body cover structure of a motorcycle includes an upper cover arranged at a position above a front wheel operatively attached to a lower end of a front fork steerably supported by a head pipe at a front end of a body frame, and a pair of right and left cowls that cover at least a portion of a fuel tank mounted on the body frame. The upper cover includes a covering portion for covering a portion of a fuel tank, and each overhanging portion including a ridge line portion that ranges to a lower end of the upper cover, when viewed in a side view, is provided with a respective cowl connected to the upper cover with a portion of each cowl overlapped with the rear of the upper cover, such that the overhanging portion extends outwardly beyond the upper cover in a vehicle-width direction.



10) Family number: 52080943 (EP2508415A1)

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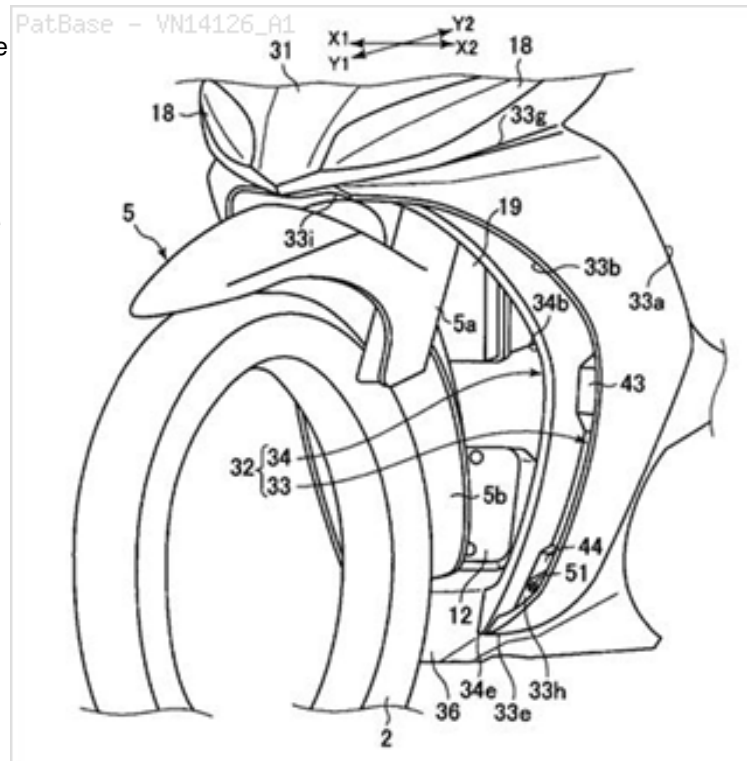
Title: Motorcycle**Priority:** EP20120163258 20120405 JP20110085192 20110407

Family:	Publication number	Publication date	Application number	Application date
	<u>DE602012000153 D1</u>	20130919	DE201260000153T	20120405
	<u>EP2508415 A1</u>	20121010	EP20120163258	20120405
	<u>EP2508415 B1</u>	20130724	EP20120163258	20120405
	<u>ES2423830 T3</u>	20130924	ES20120163258T	20120405
	<u>JP2012218539 A2</u>	20121112	JP20110085192	20110407
	<u>PH2012000076 A</u>	20131007	PH20120000076	20120404
	<u>TH147736 A</u>	20160304	TH20121001552	20120403
	<u>TH53808 B</u>	20170216	TH20121001552	20120403
	<u>VN14126 A1</u>	20150727	VN20120000915	20120404

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):**^(std): YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK**Inventor(s):**^(std): ENDO MASATO**Inventor(s):** ENDO MASATO IWATA SHI ; MASATO ENDO**Agent(s):** GRUENECKER PATENT U RECHTSANWAELE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; UNGRIA JAVIER; HARUKA PATENT AND TRADEMARK ATTORNEYS; SAPALO VELEZ BUNDANG AND BULILAN LAW OFFICES**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**International class**
(IPC 8-9): B62J17/02 B62J17/06 B62J23/00 B62J99/00 (Advanced/Invention);
B62J23/00 (Core/Invention)**International class**
(IPC 1-7): B62J23/00**CPC:** B62J17/02 B62J17/06 B62K2202/00**European class:** B62J17/02 B62J17/06 L62K202/00[Classification Explorer](#)**Cited documents:** US2009008180 AA, US2008202835 AA, JP57053988 U1, JP2009161027 A2, JP2008162518 A2,**Forward Citations:** US8899653, US2012228046, JP5922641, JP2015123867, EP2974950, EP2719611,

Abstract:

Source: EP2508415A1 A motorcycle (1) where an amount of water or mud which is splashed to a rider can be reduced. The motorcycle (1) comprises a side cover part (32) that includes an inner cover part (34) and an outer cover part (33). The inner cover part (34) and the outer cover part (33) are arranged obliquely with respect to the fore and rear direction. The inner cover part (34) is arranged inside the outer cover part (33) in the vehicle widthwise direction, has a front edge thereof positioned further forward than a front edge of the outer cover part (33), and has a rear edge thereof positioned inwardly away from the outer cover part (33) in the vehicle widthwise direction.



11) Family number: 32506954 (US2005279436A)

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Title: MOTORCYCLE TRANSPORTATION COVER**Priority:** CA20052508137 20050524 US20040870164 20040617

Family:	Publication number	Publication date	Application number	Application date
	<u>CA2508137 AA</u>	20051217	CA20052508137	20050524
	<u>US2005279436 AA</u>	20051222	US20040870164	20040617
	<u>US7137422 BB</u>	20061121	US20040870164	20040617

Probable Assignee: MCMILLEN BRETT W**Assignee(s):**^(std) MCMILLEN BRETT W ; MCMILLEN BRETT WILLIAM**Inventor(s):**^(std) MCMILLEN BRETT W ; MCMILLEN BRETT WILLIAM**Agent(s):** SMART AND BIGGAR; HENRY L SMITH JR; HENRY L

International class B60J11/00 B62J19/00 B65D65/02 B65D85/00 B65H65/02 B65H65/30 (Advanced/Invention);
^{(IPC 8-9):} B65D85/00 (Advanced/Non-invention);
B60J11/00 B62J19/00 B65D65/02 B65D85/00 (Core/Invention)

International class B60J11/00 B62J19/00 B65D65/02 B65D85/00
^{(IPC 1-7):}

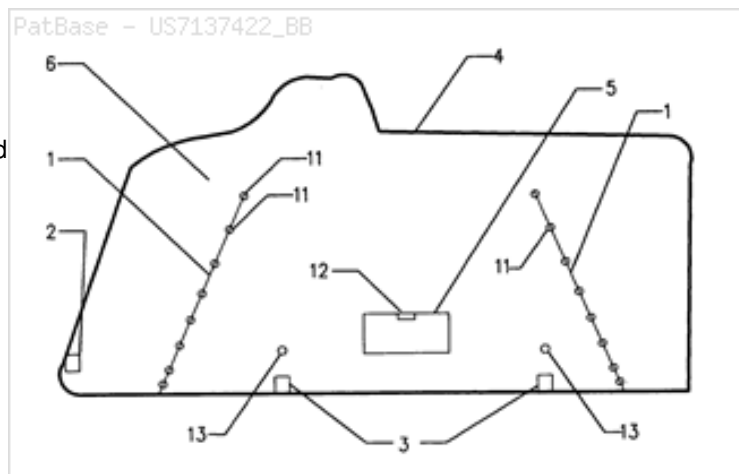
CPC: B62J19/00**European class:** B62J19/00**US class:** 150/166 150/167 206/135 296/136.07 296/136.1 296/78.1[Classification Explorer](#)

Cited documents: US6588827 BB, US6588827 BA, US6405771 BA, US6209599 BA, US6092856 A, US6040764 A, US603777 A, US603377 A, US5921389 A, US5564358 A, US5562139 A, US5445200 A, US5372169 A, US5193724 A, US4283084 A, US3968913 A, US3659872 A, US2311514 A, US2005247387 AA, US2002109373 AA, US1728437 A, US1409666 A, EP0439155 A1, DE4213254 A1,

Forward Citations: WO11006048, USD642969, USD588978, US8051608, US7757734, US7708298, US2016031384, US2012145292, US2011253274, US2011067792, US2010224124, US2010019532, US2009249528, US2009102230,

Abstract:

Source: US2005279436A A weather-proof, wind-proof one-piece cover bag, for a motorcycle or other vehicle being transported on an open vehicle or trailer, comprises a bag made of durable, and flexible material provided with two or more tie down slits to accommodate tie down straps securing the motorcycle to the vehicle and several straps securing the cover bag to the belly of the motorcycle and the front and back wheels of the motorcycle.



12) Family number: 42727507 (JP2009006989A)

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Title: LEG SHIELD STRUCTURE OF MOTORCYCLE**Priority:** JP20070143488 20070530 JP20080073767 20080321**Family:**

Publication number	Publication date	Application number	Application date
AR065961 AA	20090715	AR2008P101425	20080404
BRPI0801660 A2	20090120	BR2008PI01660	20080527
CN101314373 A	20081203	CN200810093574	20080425
CN101314373 B	20121010	CN200810093574	20080425
CO5980163 A1	20081128	CO20080054318	20080528
IN01296CH2008 A	20090821	IN2008CH01296	20080528
IN273785 B	20160701	IN2008CH01296	20080528
JP2009006989 A2	20090115	JP20080073767	20080321
JP5118523 B2	20130116	JP20080073767	20080321
KR100953603 B1	20100420	KR20080028350	20080327
KR20080105983 A	20081204	KR20080028350	20080327
MY151500 A	20140530	MY20080001758	20080526
PE01322009 A1	20090307	PE20080000894	20080526
PH20080000180 A	20091203	PH20080000180	20080523
TH94919 A	20090327	TH20081001134	20080306
VN11226 A1	20130425	VN20080000629	20080313

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO KABUSIKI KAISHA ; HONDA MOATOR CO LTD ; HONDA MOTOR CO**Inventor(s):**^(std): KUBOSHIMA KENICHIRO ; NISHIMOTO TARO ; SAKAMOTO KAZUHIRO ; TOMOHIRO SAKAMOTO ; TARO NISHIMOTO ; KENICHIRO KUBOSHIMA ; KENICHIRO AZUMASHIMA ; KAZUHIRO SAKAMOTO**Inventor(s):** AZUMASHIMA KENICHIRO ; SAKAMOTO TOMOHIRO**Agent(s):** JUAN PABLO CADENA SARMIENTO; ASTUDILLO AND ASSOCIATES

International class [B62J17/02](#) [B62J17/06](#) [B62J23/00](#) [B62J25/00](#) [B62J27/00](#) (Advanced/Invention);
^{(IPC 8-9):} [B62J17/06](#) [B62J23/00](#) (Advanced/Non-Invention);
[B62J17/00](#) [B62J23/00](#) [B62J25/00](#) [B62J27/00](#) (Core/Invention)

International class [B62J23/00](#)
^{(IPC 1-7):}

[Classification Explorer](#)

Cited documents: KR850001128 Y, KR20060046732 A, JPS6483480, JP6483480, JP64083480 A2, JP63074782 A2, JP2007125902 A2, JP2007125902, JP2006117230 A2, JP2006117230, JP200180559, JP2001080559 A2, JP1168581 A2, JP1067365, JP10203454 A2, JP10067365 A2, JP01168581,

Forward Citations: JP2011161997, CN102398650,

Abstract:

Source: JP2009006989A PROBLEM TO BE

SOLVED: To allow a traveling wind appropriately hit a leg of a driver, and to obtain light-weight appearance, in a leg shield structure of a motorcycle. SOLUTION: Leg shields 16, 17 comprise a main curved face 141 and a front inclined face 142, respectively, for substantially lining the vehicle fore-and-aft direction from the front of a head pipe to a main frame 37, and comprise, in a part overlapping with the main frame 37 in a side view, a recessed curved faces 143 curving inwardly in the vehicle width direction and a rear curved face, respectively. Due to the existing of the recessed curved face 143, it becomes possible to make the traveling wind appropriately hit the leg 15a of the driver while keeping easiness in sitting astride as in a conventional arrangement, and the leg shields 16, 17 form a shape for substantially lining the flow of the traveling wind, thus bringing about the light-weight appearance.

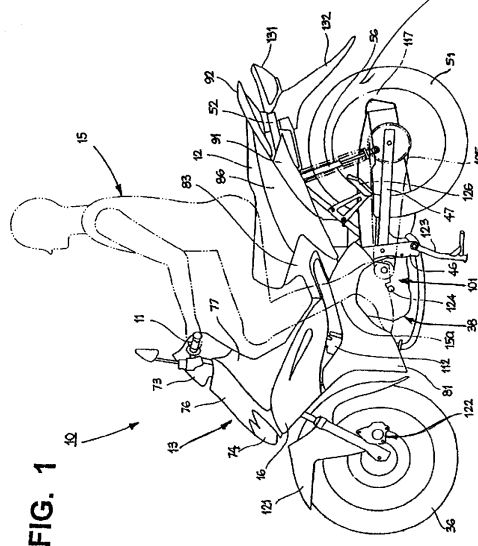


FIG. 1

HONDA MOTOR CO., LTD.
Applicant
E. B. ASTUDILLO & ASSOCIATES
By: *[Signature]*

13) Family number: 32524529 (US2006000652A)

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Title: FENDER STRUCTURE FOR MOTORCYCLE**Priority:** JP20040197392 20040702

Family:	Publication number	Publication date	Application number	Application date
	<u>BRPI0502614 A</u>	20060214	BR2005PI02614	20050624
	BRPI0502614 B1	20150825	BR2005PI02614	20050624
	<u>CN100371205 C</u>	20080227	CN200510080956	20050624
	<u>CN1715126 A</u>	20060104	CN200510080956	20050624
	<u>DE602005001087 D1</u>	20070621	DE200560001087T	20050509
	<u>DE602005001087 T2</u>	20080110	DE200560001087T	20050509
	<u>EP1612131 A1</u>	20060104	EP20050010031	20050509
	<u>EP1612131 B1</u>	20070509	EP20050010031	20050509
	<u>ES2286736 T3</u>	20071201	ES20050010031T	20050509
	<u>IN00778CH2005 A</u>	20070727	IN2005CH00778	20050622
	<u>IN247958 B</u>	20110610	IN2005CH00778	20050622
	<u>JP2006015930 A2</u>	20060119	JP20040197392	20040702
	<u>JP4476720 B2</u>	20100609	JP20040197392	20040702
	<u>US2006000652 AA</u>	20060105	US20050171361	20050701
	<u>US7325639 BB</u>	20080205	US20050171361	20050701

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA MOTOR CO

Inventor(s):^(std): AKINORI HIRANO ; HIRANO AKINORI ; ISHIGURI YOSHIYUKI ; HIRANO TAKANORI ; HIROKI SAKATA ; SAKATA HIROKI ; UCHIIKE YASUHIRO ; SAKATA HIRONORI ; ISHIKURI YOSHIYUKI ; NAOKI URANO ; TAKASHI YAMAGUCHI ; YAMAGUCHI TAKASHI ; URANO NAOKI ; YASUHIRO YAMAGUCHI TAKASHI URA ; YOSHIYUKI ISHIGURI ; YASUHIRO UCHIIKE

Inventor(s): YAMAGUCHI TAKASHI URANO NAOKI HIRANO AKINORI ; YAMAGUCHI TAKASHI C O HONDA GIJUTSU KENKYUSHO ; URANO NAOKI C O HONDA GIJUTSU KENKYUSHO KK ; UCHIIKE YASUHIRO C O HONDA GIJUTSU KENKYUSHO KK ; YAMAGUCHI TAKASHI URANO NAOKI HIRANO AKINORI SAKAT ; SAKATA HIROKI C O HONDA GIJUTSU KENKYUSHO KK ; ISHIGURI YOSHIYUKI C O HONDA GIJUTSU KENKYUSHO ; HIRANO AKINORI C O HONDA GIJUTSU KENKYUSHO KK

Agent(s): BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP

Designated states: DE ES FR GB IT

International class
(IPC 8-9): B60K13/02 B62J15/00 B62J15/04 B62J99/00 B62K11/00 (Advanced/Invention);
B60K13/00 B62J15/00 B62J99/00 B62K11/00 (Core/Invention)

International class
(IPC 1-7): B62J15/00

CPC: B62J15/00**European class:** B62J15/00**US class:** 180/219 180/68.3 180/68.300 280/160.1 280/852 296/78.1 296/78.100[Classification Explorer](#)

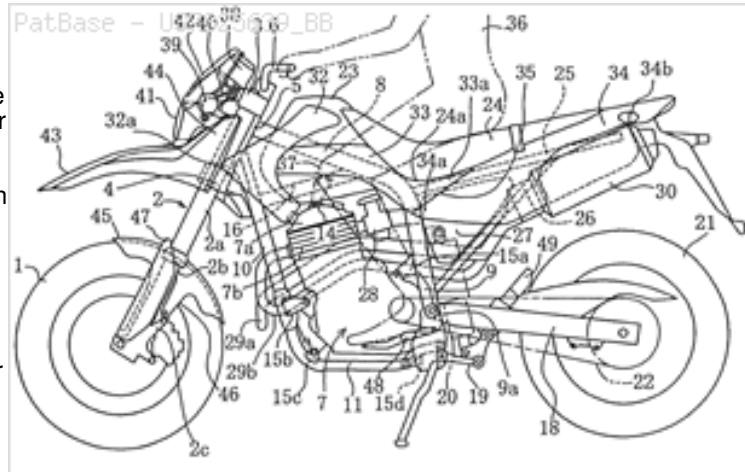
Cited documents: US7174984 BB, US6860353 BB, US4354570 A, US2005263334 AA, US2003121708 AA, JP62035673 Y2, DE29607518 U1, DE29607518, DE20315271 U1,

Forward Citations: WO13121597, US8905419, US8607916, US8347993, US8302723, US8256556, US8177250, US8091673, US8016307, US7849948, US7832751, US7810828,

US7802907, US7661687, US2016059921, US2014063825, US2010181133, US2010181132, US2010181131, US2010001551, US2009166115, US2009058066, US2009001753, US2009001705, US2008150273, US2008121455, US2006273608, US2006056191, US2005221936, TWI503244, JP5806380, JP2013216234, JP2013121597, JP2012051423, EP3025945, EP2860088, EP2230120, EP2098442, EP1886907, EP1886907, DE102006037457, CN104114443, CN102001386, AU2008200909,

Abstract:

Source: US2006000652A A fender assembly is divided into an upper fender and a lower fender with a air guide port being formed in the upper fender wherein the entry of muddy water splashed up in a tangential line direction by a front wheel into the air guide port is prevented and the size of the upper fender is reduced. An upper fender is secured to upper forks of the front forks, while a lower fender is secured to lower forks. The upper fender is disposed in a range in which muddy water is blocked by the lower fender. An air guide port is formed in the upper fender and an air guide path is formed by a fender recess extending forward of the air guide port and a lower portion of a visor which covers the fender recess from above.



14) Family number: 46848744 (EP2230163A1)

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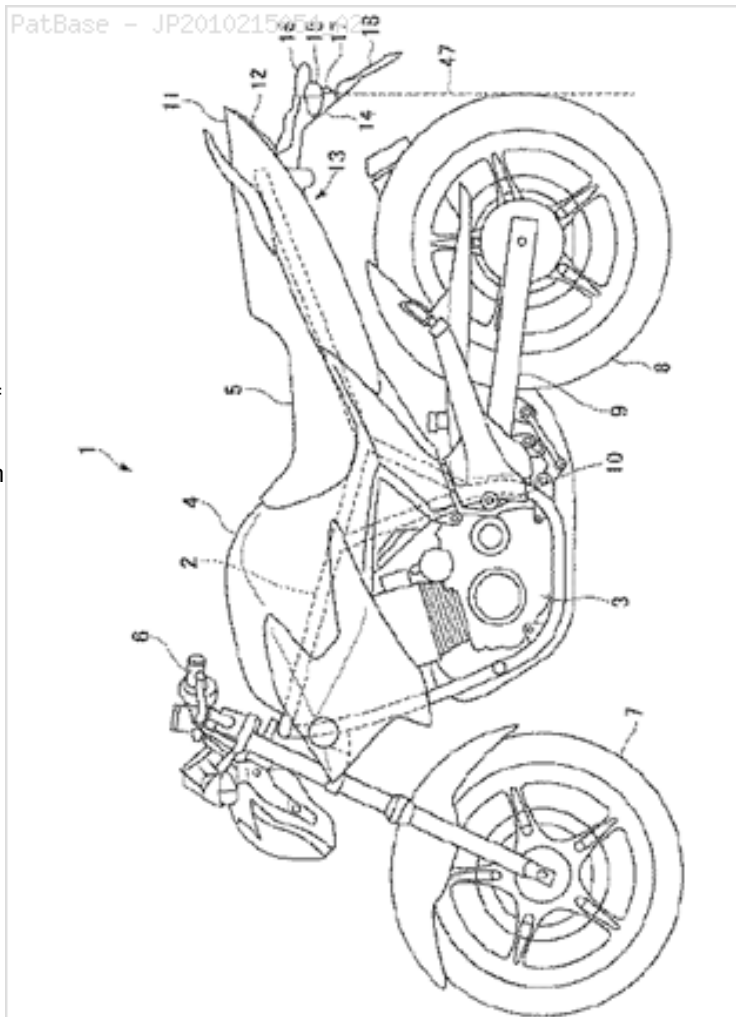
Title: Motorcycle with tail lamp arrangement**Priority:** EP20090179206 20091215 JP20090062509 20090316

Family:	Publication number	Publication date	Application number	Application date
	<u>BRPI1002210 A2</u>	20110705	BR2010PI02210	20100315
	<u>CN101837813 A</u>	20100922	CN200910259155	20091215
	<u>CN101837813 B</u>	20130327	CN200910259155	20091215
	<u>EP2230163 A1</u>	20100922	EP20090179206	20091215
	<u>EP2572968 A2</u>	20130327	EP20120197772	20091215
	<u>EP2572968 A3</u>	20130417	EP20120197772	20091215
	<u>IN00491MU2010 A</u>	20111118	IN2010MU00491	20100224
	<u>JP2010215054 A2</u>	20100930	JP20090062509	20090316

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** OISHI TAKAYUKI ; OOISHI TAKAYUKI ; TAKAYUKI OISHI**Agent(s):** SCHOPPE FRITZ; STOECKELER FERDINAND; HARUKA PATENT AND TRADEMARK ATTORNEYS**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 MK MT NL NO PL PT RO RS SE SI SK SM TR**International class**
(IPC 8-9): [B62J15/00 B62J17/00 B62J23/00 B62J6/02 B62J6/04 B62J99/00 B62K11/00](#) (Advanced/Invention)**CPC:** [B62J6/04 B62J15/00](#)**European class:** [B62J15/00 B62J6/04](#)[Classification Explorer](#)**Cited documents:** JPS62189995 U, JP62189995 U1, JP62189995 U, JP4005377 B2, EP2011726 A1,**Forward Citations:** JP6066344, JP2016049873,

Abstract:

Source: EP2230163A1 A motorcycle according to the present invention includes: a frame (2) extending in a front-rear direction; a rear wheel (8); right and left covers (11) that cover right and left sides of the frame (2) located above the rear wheel (8); a tail lamp (12) arranged above the rear wheel (8) and connected to rear portions of the right and left covers (11), the tail lamp at least having a surface of a translucent member directed obliquely downwardly and rearwardly; and a mudguard (14) having a first portion (19) extending obliquely downwardly and rearwardly from a front side of the surface of the translucent member to cover the surface of the translucent member in a bottom view, and a second portion (20) extending downwardly from a rear portion of the first portion (19) at an angle with respect to a ground surface that is at least larger than a corresponding angle of the first portion (19), the second portion having a license plate attachment portion (18).



15) Family number: 55206769 (EP2669160A1)

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Title: GRAETSCHSITZ–FAHRZEUG STRADDLE TYPE VEHICLE**Priority:** EP20120188725 20121016 JP20120120776 20120528

Family:	Publication number	Publication date	Application number	Application date
	<u>BR102012026642 A2</u>	20140513	BR20121026642	20121017
	<u>CN103448843 A</u>	20131218	CN201210428427	20121031
	<u>CN103448843 B</u>	20151202	CN201210428427	20121031
	<u>DE602012007113 D1</u>	20150618	DE201260007113T	20121016
	<u>EP2669160 A1</u>	20131204	EP20120188725	20121016
	<u>EP2669160 B1</u>	20150506	EP20120188725	20121016
	<u>ES2540872 T3</u>	20150714	ES20120188725T	20121016
	<u>IN01169KO2012 A</u>	20131129	IN2012KO01169	20121017
	<u>JP2013244878 A2</u>	20131209	JP20120120776	20120528
	<u>MY154805 A</u>	20150731	MY20120700780	20121018
	<u>PH2012000337 A</u>	20140922	PH20120000337	20121030
	<u>TH134426 A</u>	20140606	TH20121005705	20121029
	<u>TW201348055 A</u>	20131201	TW20120138319	20121017
	<u>TWI534033 B</u>	20160521	TW20120138319	20121017
	<u>VN16465 A1</u>	20170225	VN20120003221	20121030

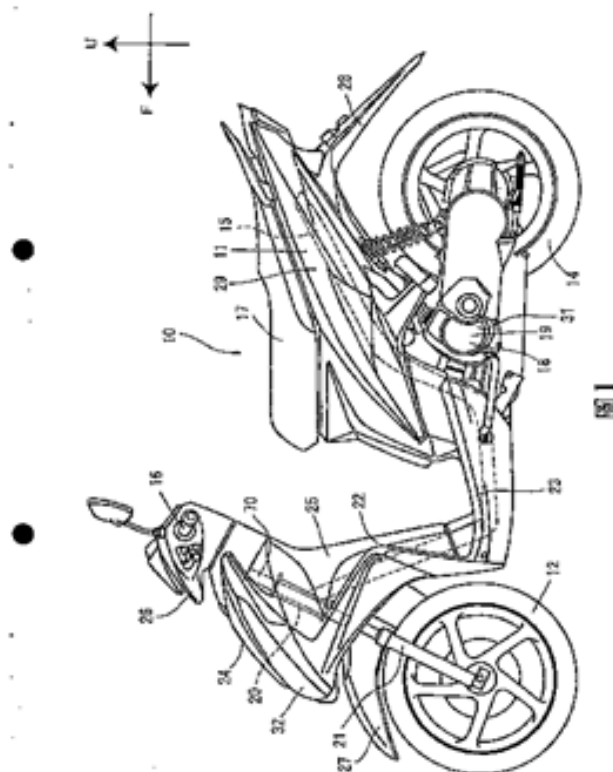
Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):**^(std): OHARA HIROSHI ; YAMAHA MOTOR CO LTD**Assignee(s):** HIROSHI OHARA ; YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KK**Inventor(s):**^(std): HANAI TETSUYA ; OHARA HIROSHI**Inventor(s):** HIROSHI OHARA ; HANAI TETSUYA SHIZUOKA ; TETSUYA HANAI**Agent(s):** SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB
PATENTANWAELTE; ZIMMERMANN TANKRED KLAUS; ARIZTI MONICA;
MATSUYAMA TAKAO; UEBA HIDETOSHI; SAPALO VELEZ BUNDANG AND BULILAN**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**International class**
^(IPC 8-9): [B60Q1/04 B60Q1/46 B62J17/00 B62J17/02 B62J6/00 B62J6/02 B62K11/04 B62K19/40](#)
[B62K27/04 F02N11/08 G10K13/00](#) ^(Advanced/Invention);
[B62J6/00](#) ^(Core/Invention)**International class**
^(IPC 1-7): [B62J17/02 B62J6/02](#)**CPC:** [B62J6/02 B62J17/02](#)[Classification Explorer](#)**Cited documents:** US2007236949 AA, TWI330156, TW201012691, JP2007280760 A2, EP2179912 A1,
CN2851079 Y, CN102101507, CN101723029 A, CN101462571 A, CN101372248 B,
CN101058328 A, CN100548784 C,

Abstract:

Source: EP2669160A1 An object of the present invention is to provide a straddle type vehicle including a headlight (32a) of a sufficient size where mud or sand is unlikely to adhere to the headlight (32a). A front cover (24) includes a bottom cover (242) located below a light cover (323). The light cover (323) includes a first bottom edge portion (323b), second bottom edge portion (323c) and third bottom edge portion (323d). The third bottom edge portion (323d) is located in the middle of the vehicle in a vehicle width direction. The first bottom edge portion (323b) is located lower than the third bottom edge portion (323d) and outward of the third bottom edge portion (323d) in a vehicle width direction. The second bottom edge portion (323c) is located lower than the third bottom edge portion (323d) and opposite the first bottom edge portion (323b) in a vehicle width direction, with the third bottom edge portion (323d) in between. The bottom cover (242) includes a middle portion (242d). The middle portion (242d) is located below the third bottom edge portion (323d) and higher than the first bottom edge portion (323b) and second bottom edge portion (323c).

I534033 - TWI534033_B

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- 1 -

16) Family number: 51723691 (US2012205191A)

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Title: EXHAUST SYSTEM FOR MOTORCYCLE**Priority:** JP20110028931 20110214 JP20110029188 20110214

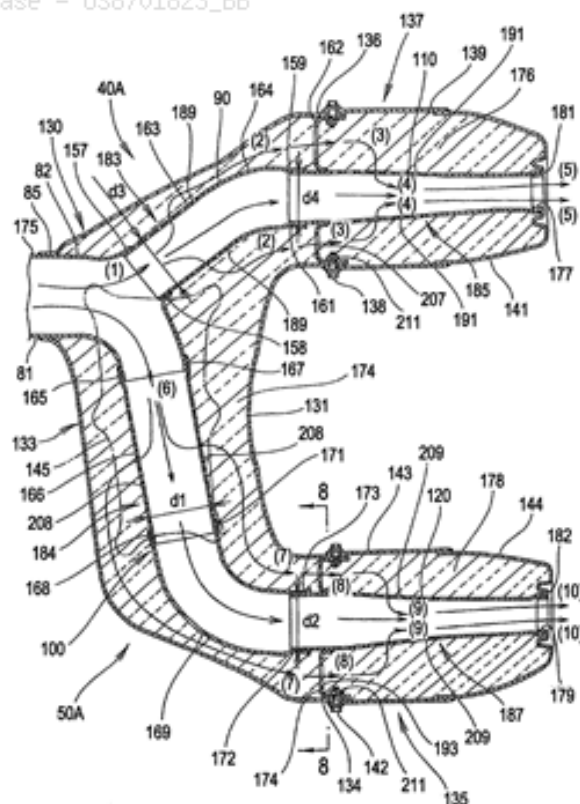
Family:	Publication number	Publication date	Application number	Application date
	AU2012200410 AA	20120830	AU20120200410	20120124
	AU2012200410 BB	20150528	AU20120200410	20120124
	JP2012167596 A2	20120906	JP20110028931	20110214
	JP2012167602 A2	20120906	JP20110029188	20110214
	JP5674502 B2	20150225	JP20110028931	20110214
	JP5674503 B2	20150225	JP20110029188	20110214
	US2012205191 AA	20120816	US20120355097	20120120
	US8701823 BB	20140422	US20120355097	20120120

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD ; INOUE YOSUKE ; INOUE YUSUKE ; MATSUSHIMA SATOSHI ; YAMA SHIRO ; EGUCHI SEIICHIRO**Assignee(s):** HONDA MOTOR CO**Inventor(s):**^(std): EGUCHI SEIICHIRO ; INOUE YOSUKE ; INOUE YUSUKE ; MATSUSHIMA SATOSHI ; YAMA SHIRO ; MATSUSHIMA REI**Agent(s):** SPRUSON AND FERGUSON; SUMIYOSHI KATSUHIKO; BIRCH STEWART KOLASCH AND BIRCH LLP**International class**
(IPC 8-9): [B60K13/04](#) [B62D61/02](#) [B62K11/00](#) [B62M7/00](#) [B62M7/02](#) [F01N1/00](#) [F01N1/24](#) [F01N13/00](#) [F01N13/04](#) [F01N13/08](#) [F01N99/00](#) (Advanced/Invention)**CPC:** [F01N1/006](#) [F01N1/125](#) [F01N13/04](#) [F01N13/1805](#) [F01N2590/04](#)**European class:** [F01N1/00B1](#) [F01N1/12B](#) [F01N13/04](#) [F01N13/18B](#) [R01N590/04](#)**US class:** [180/219](#) [180/296](#) [180/309](#) [181/227](#) [181/228](#) [181/254](#) [60/323](#)[Classification Explorer](#)**Cited documents:** USRE31989 E, US8359847 BB, US7637349 BB, US7374016 BB, US7364010 BB, US6752239 BB, US6675933 BB, US6026930 A, US5966933 A, US5271477 A, US4359865 A, US3949829 A, US2009236175 AA, US2008251314 AA, US2008110155 AA, US2005236205 AA, US2005224273 AA, US2003121720 AA, US2003079938 AA, US2002175022 AA, JP6272423 U, JP6210226 U, JP62072423 U1, JP62072423 U, JP62072423 U, JP62010226 U1, JP62010226 U, JP62010226 U, JP4266579 A2, JP3275920 A2, JP3275920, JP2009281375 A2, JP2009281375, JP20088250, JP2008255791 A2, JP2008255791, JP2008111357 A2, JP2008111357, JP200808250, JP200808250 A2, JP200808250, JP2005313671 A2, JP2005313671, JP2003074337 A2,**Forward Citations:** US8851230, US8640821, US8479862, US2014060963, US2011186373, JP2013060920, CN103867276,

Abstract:

Source: US2012205191A A muffler of a motorcycle having an outside diameter greater than the outside diameter $d1$ of a rectilinear portion of a branch pipe is disposed at a transverse portion of an exhaust pipe. Since the muffler is formed to be roughly elliptic in sectional shape, the outside diameter of the muffler is represented by a major diameter d_a as the length in the direction of a major axis and a major diameter d_b as the length in the direction of a minor axis. When the muffler is disposed between a swing arm and a seat to be along the transverse portion of the exhaust pipe, the muffler can be disposed on the more vehicle front side while securing the capacity thereof. Therefore, protrusion of the muffler toward the rear of the vehicle is suppressed, and the external appearance of a vehicle rear portion is enhanced.

PatBase - US8701823_BB



17) Family number: 51281474 (EP2463186A1)

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Title: MOTORCYCLE
Priority: EP20110188691 20111110 JP20100273814 20101208 PH20110000378 20111122
Family:

Publication number	Publication date	Application number	Application date
<u>DE602011002439 D1</u>	20130919	DE201160002439T	20111110
<u>EP2463186 A1</u>	20120613	EP20110188691	20111110
<u>EP2463186 B1</u>	20130724	EP20110188691	20111110
<u>JP2012121450 A2</u>	20120628	JP20100273814	20101208
<u>MY153454 A</u>	20150213	MY20110005691	20111124
<u>PH2011000378 A</u>	20130527	PH20110000378	20111122
<u>TH124175 A</u>	20130531	TH20111003526	20111206
<u>TW201231340 A</u>	20120801	TW20110142800	20111122
<u>TWI422508 B</u>	20140111	TW20110142800	20111122
<u>VN12004 A1</u>	20131225	VN20110003261	20111128

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):^(std): KITAURA TOSHIKI

Inventor(s): KITAURA TOSHIKI SHIZUOKA ; TOSHIKI KITAURA

Agent(s): SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB
 PATENTANWAELTE; ZIMMERMANN TANKRED KLAUS; MATSUYAMA TAKAO; UEBA
 HIDETOSHI; SAPALO VELEZ BUNDANG AND BULILAN LAW OFFICES

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

International class
 (IPC 8-9): B62J15/00 B62J17/02 B62J23/00 B62J6/00 B62J6/02 B62J6/04
B62K11/10 (Advanced/Invention);
B62J23/00 B62J6/04 (Core/Invention)

International class
 (IPC 1-7): B62J17/02 B62K11/10

CPC: B60Y2200/12 B62K11/10 B62J17/02 B62K2202/00

European class: B62J17/02 B62K11/10 L62K202/00

[Classification Explorer](#)

Cited documents: WO10013479 A1, US2008099266 AA, TW201022079 A, JP2007283927 A2,
 JP2005145202 A2, EP2289788 A1,

Forward Citations: TWI549852, JP6085277, JP2016068873, EP3028931, EP2818390,

Source: EP2463186A1 An object is to provide a motorcycle where a measure to deal with travel wind can be taken while satisfying a need for causing the direction of illumination of the headlight (51) to follow the movement of the handlebars (23). A headlight (51) is attached generally to the center of the handle cover (41) in the vehicle width direction. A front cover (40) covers a frame (10) from the front, and an inner cover (44) covers the frame (10) from the rear. The front cover (40) includes a portion located forward of point (P7) where line (L5) intersects with line (L3). The horizontal distance (D1) between point (P2) and point (P3) is larger than horizontal distance (D2) between point (P4) and point (P3). The handle cover (41) includes a central portion (71) that covers the top of the headlight (51), and slopes (72) that are disposed outward of the central portion (71) in the vehicle width direction and extend rearward and upward.

18) Family number: 59626381 (EP2889208B1)

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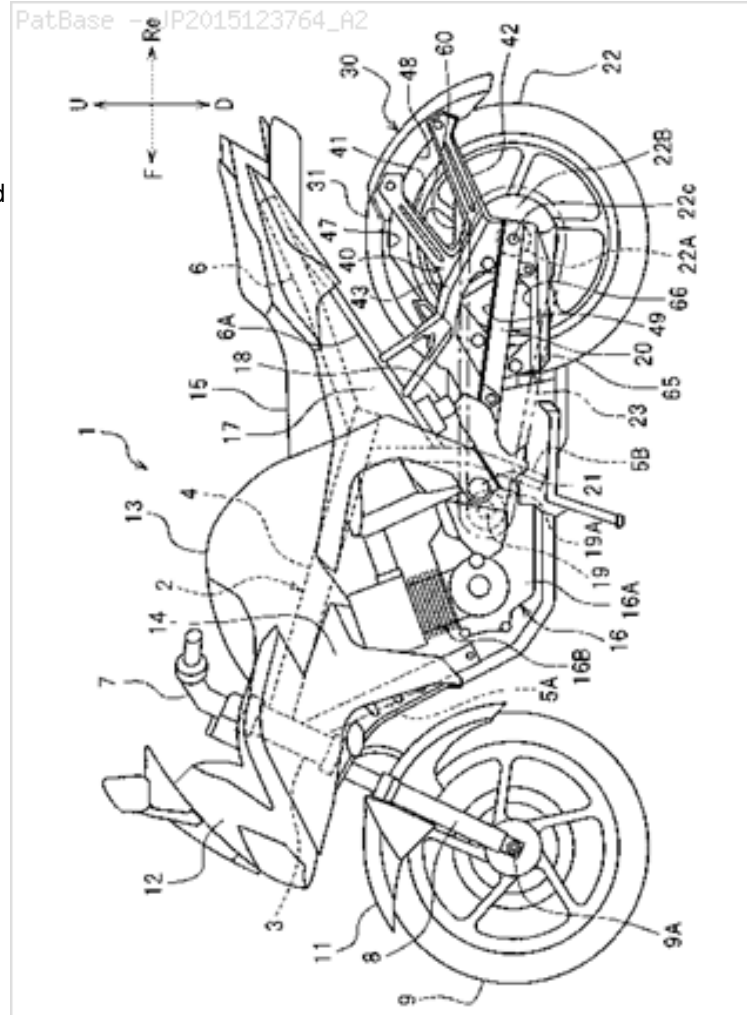
Title: MOTORRAD MOTORCYCLE**Priority:** EP20140198883 20141218 JP20130267463 20131225

Family:	Publication number	Publication date	Application number	Application date
	<u>DE602014002129 D1</u>	20160707	DE201460002129T	20141218
	<u>EP2889208 A1</u>	20150701	EP20140198883	20141218
	<u>EP2889208 B1</u>	20160525	EP20140198883	20141218
	<u>IN01266KO2014 A</u>	20160826	IN2014KO01266	20141204
	<u>JP2015123764 A2</u>	20150706	JP20130267463	20131225

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI K K IWATA SHI ; YAMAHA HATSUDOKI KK**Inventor(s):^(std):** DON GAYAN WEREGALA ; WEREGALA DON GAYAN KRISHANTHA ; WERAGALA DON GAYAN KRISHANTHA**Inventor(s):** WERAGALA DON GAYAN KRISHANTHA IWATA SHI**Agent(s):** GRUENECKER PATENT U RECHTSANWAELE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELE PARTG MBB; GOTOH TAKASHI**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**International class** [B62J13/02 B62J13/04 B62J15/00 B62J15/02 B62K25/20 B62K5/027](#) ^(Advanced/Invention)
(IPC 8-9):**CPC:** [B62J15/00 B62J15/02 B62J13/02](#)[Classification Explorer](#)**Cited documents:** JP2010215216 A2, JP10035562 A2, EP2433855 A2,**Forward Citations:** WO16159895,

Abstract:

Source: EP2889208A1 A motorcycle (1) comprising a rear fender (30) including a fender main body (31) disposed above a rear wheel (22), a left side guard (40) disposed to the left of the rear wheel (22), and a right side guard disposed to the right of the rear wheel (22), wherein a first left opening (47) is defined by the fender main body (31), a left side guard body portion (43), and a first left arm portion (41), as viewed from the left side of the motorcycle and a first right opening is defined by the fender main body (31), a right side guard body portion, and a first right arm portion, as viewed from the right side of the motorcycle.



0) US2013313034A – SADDLE-RIDE-TYPE VEHICLE

19) Family number: 55199106 (US2013313034A)

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Title: SADDLE-RIDE-TYPE VEHICLE

Priority: JP20120121054 20120528

Family:	Publication number	Publication date	Application number	Application date
	EP2669502 A1	20131204	EP20130164502	20130419
	JP2013244900 A2	20131209	JP20120121054	20120528
	JP6077760 B2	20170208	JP20120121054	20120528
	US2013313034 AA	20131128	US20130864872	20130417
	US8905178 BB	20141209	US20130864872	20130417

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): ISHIZAKI TAISHI ; MATSUSHIMA REI ; MATSUSHIMA SATOSHI ; ISHIZAKI HIROTSUGU

Agent(s): KIWIT BENEDIKT; SUMIYOSHI KATSUHIKO; BIRCH STEWART KOLASCH AND BIRCH LLP

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

International class
(IPC 8-9): [B60K13/02](#) [B62J15/00](#) [B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [B62M7/00](#) [B62M7/02](#) [F02M35/02](#) [F02M35/12](#) [F02M35/16](#) [F16F7/00](#) (Advanced/Invention)

CPC: [B62K11/00](#) [F16F7/00](#) [B60K13/02](#) [F02M35/0201](#) [F02M35/1272](#) [F02M35/162](#)

US class: [180/219](#) [180/227](#)

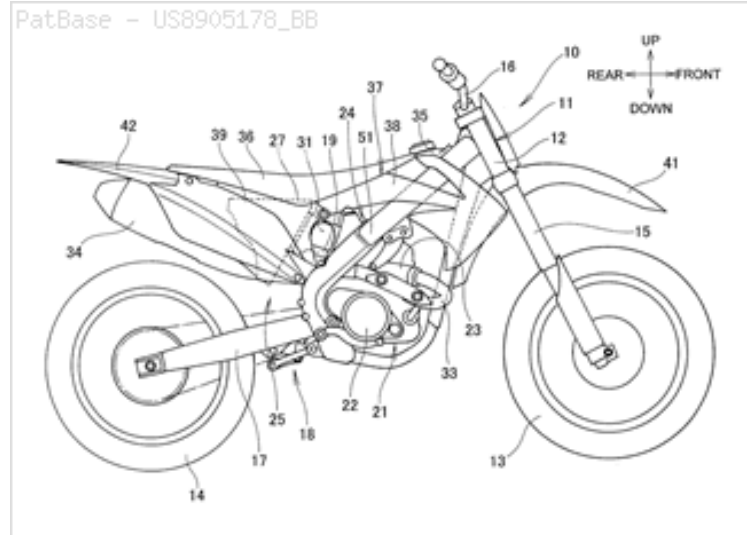
[Classification Explorer](#)

Cited documents: US7861815 BB, US7165524 BB, US5921214 A, US5901681 A, US5145023 A, US2012318599 AA, US2012285762 AA, US2011155495 AA, US2010187036 AA, US2010187036, US2010133033 AA, US20100187036, US2009242305 AA, US2009084344 AA, US2008236918 AA, US2008121453 AA, US2006065457 AA, JP63057383 A2, JP63057383, JP63042487 U, JP63042487 U, JP63012490 U, JP63012490 U, JP62001682 A2, JP62001682, JP59010383 Y2, JP53064453 U, JP53064453 U, JP2110255 U, JP2110255 U, JP2011046361 A2, JP2011046361, JP2008254461 A2, JP2008254461, JP11139380 A2, JP11139380, JP10288103 A2, JP10288103, JP02110255 U,

Forward Citations: US8776923, US2013249251, AU2016200143, AU2016200143,

Abstract:

Source: US2013313034A A technique for suppressing vibrations generated in an air cleaner thus suppressing noise caused by the vibrations to a low level while reducing an increase in the number of parts. A motorcycle includes a seat frame, an air cleaner mounted on the seat frame and a body cover for covering the outside of the air cleaner. The body cover includes an upper body cover and a lower body cover formed by vertically dividing the body cover on a side of the air cleaner. An elastic member is sandwiched between the lower body cover and a side wall of the air cleaner. A wall member for partitioning the elastic member and a muffler from each other is mounted on the lower body cover.



20) Family number: 50098727 (EP2394893A2)

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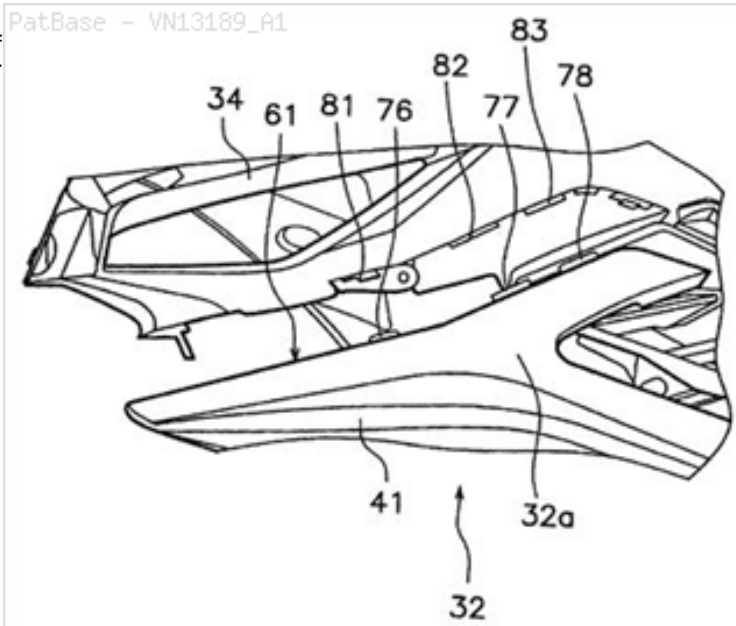
Title: SADDLE-RIDE TYPE VEHICLE**Priority:** EP20110169030 20110608 JP20100134330 20100611 JP20100218475 20100929
PH20110000164 20110510**Family:**

Publication number	Publication date	Application number	Application date
BRPI1103058 A2	20121120	BR2011PI03058	20110607
CN102295040 A	20111228	CN201110163239	20110609
CN102295040 B	20130703	CN201110163239	20110609
DE602011027051 D1	20160714	DE201160027051T	20110608
EP2394893 A2	20111214	EP20110169030	20110608
EP2394893 A3	20141105	EP20110169030	20110608
EP2394893 B1	20160601	EP20110169030	20110608
JP2012017087 A2	20120126	JP20100218475	20100929
PH20110000164 A	20121112	PH20110000164	20110510
TH117522 A	20121115	TH20111000682	20110518
TH43369 B	20150326	TH20111000682	20110518
VN13189 A1	20141027	VN20110001355	20110525

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):**^(std): YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ;
YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):**^(std): FUKITA ZENICHI ; KAMIMURA KAORU ; SUITA YOSHIKAZU**Inventor(s):** SUITA YOSHIKAZU IWATA SHI ; YOSHIKAZU SUITA ; KAORU KAMIMURA**Agent(s):** GRUENECKER PATENT U RECHTSANWAELE PARTG MBB; GRUENECKER PATENT
U RECHTSANWAELE PARTG MBB; SAPALO VELEZ BUNDANG AND BULILAN LAW
OFFICES**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**International class**
^(IPC 8-9): [B62J17/00](#) [B62J17/02](#) [B62J17/06](#) [B62J23/00](#) [B62K11/04](#) ^(Advanced/Invention);
[B62J17/00](#) ^(Core/Invention)**International class**
^(IPC 1-7): [B62J17/00](#) [B62J23/00](#)**CPC:** [B62K11/04](#) [B62K2202/00](#) [B62J17/02](#)**European class:** [B62J17/02](#) [B62J25/00](#)[Classification Explorer](#)**Cited documents:** US2009050386 AA, US2008202835 AA, JP2004291700 A2, EP2179912 A1, EP2168850
A1, CN1743217 A, CN1603199 A, CN1488543 A,**Forward Citations:** US8534740, US2013057016, EP2692617, CN103707964, CN103183082, CN103183082,
CN102582725,

Abstract:

Source: EP2394893A2 A vehicle body cover of a saddle-ride type vehicle includes a top cover section (31), a side cover section (32) and a front cover section (34). The top cover section (31) forms a downwardly recessed vehicle body outline between the steering unit (6) and the seat (7) in a side view of the vehicle. The side cover section (32), covering a lateral side of a front fork (24), is fixed to the main frame (22) while being disposed from a position forward of the steering unit (6) to a position below the top cover section (31). The front cover section (34) is coupled to the top portion of the side cover section (32). The side cover section (32) includes a first recessed portion (41) extended rearwards from the front end of the side cover section (32). A top fixation portion (76), fixing the front cover section (34) and the side cover section (32), is disposed above the first recessed portion (41).



21) Family number: 34171681 (US2007024018A)

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Title: MOTORCYCLE**Priority:** JP20050213968 20050725**Family:**

Publication number	Publication date	Application number	Application date
CN100455479 C	20090128	CN200610103578	20060725
CN1903641 A	20070131	CN200610103578	20060725
JP2007030590 A2	20070208	JP20050213968	20050725
TH49796 B	20160609	TH20061003174	20060705
TH83537 A	20070308	TH20061003174	20060705
US2007024018 AA	20070201	US20060459590	20060724
US7887075 BB	20110215	US20060459590	20060724

Probable Assignee: YAMAHA HATSUDOKI KK**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** HIROYUKI ISAYAMA ; ISAYAMA HIROYUKI**Agent(s):** HOGAN AND HARTSON LLP; KEATING AND BENNETT LLP

International class
 (IPC 8-9): [B62D25/18](#) [B62J15/00](#) [B62J15/02](#) [B62J15/04](#) [B62J17/00](#) [B62J17/06](#) [B62J23/00](#)
[B62J99/00](#) [B62K11/00](#) [B62K11/02](#) (Advanced/Invention);
[B62D25/16](#) [B62J15/00](#) [B62J15/02](#) [B62J17/00](#) [B62J23/00](#) [B62J99/00](#)
[B62K11/00](#) (Core/Invention)

International class
 (IPC 1-7): [B62J15/00](#) [B62J15/02](#)

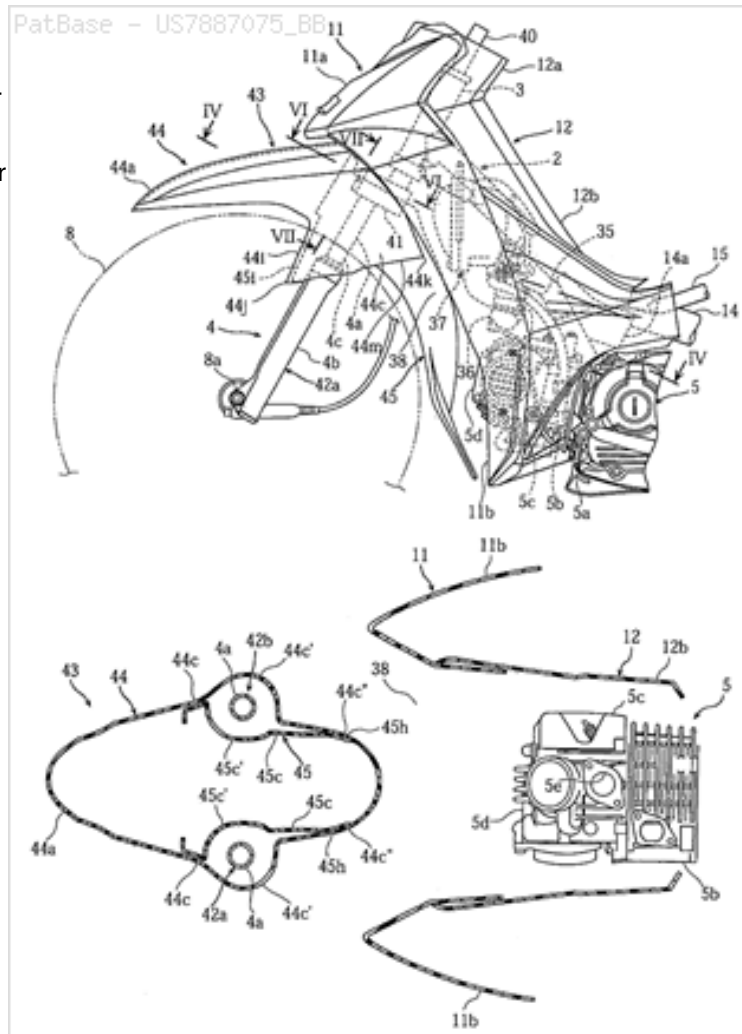
CPC: [B62J15/00](#)**European class:** [B62J15/00](#)**US class:** [180/219](#) [280/152.1](#) [280/152.2](#) [280/152.200P](#) [280/154](#)[Classification Explorer](#)

Cited documents: US7111701 BB, US7094267 BB, US7090235 BB, US6676149 BB, US6634664 BA, US5489108 A, US4458909 A, JP62153709 U1, JP62153709 U, JP2517216 B2, JP2517216, DE3831793 A1,

Forward Citations: JP2010083379, JP2008213619, EP2759461, EP2017168, CN102205820,

Abstract:

Source: US2007024018A A motorcycle that prevents attachment of splashed water to the entire periphery of the front fork. A front fender is separated into a front fender half and a rear fender half. The front fender half has left and right sidewalls (rear end portions), and the rear fender half has left and right sidewalls (front end portions). The front and rear fender half sidewalls enclose the outer periphery of left and right fork bodies. The sidewalls have extended portions extending downward along the left and right fork bodies and lower rear end faces that extend generally linearly from the lower front ends of the extended portions to the upper rear ends thereof obliquely upward.



22) Family number: 41575448 (US2008053730A)

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Title: MOTORCYCLE
Priority: JP20060240840 20060905
Family:

Publication number	Publication date	Application number	Application date
AT508268 E	20110515	AT20070016501T	20070822
DE602007014300 D1	20110616	DE200760014300T	20070822
EP1898062 A2	20080312	EP20070016501	20070822
EP1898062 A3	20091118	EP20070016501	20070822
EP1898062 B1	20110504	EP20070016501	20070822
ES2363169 T3	20110722	ES20070016501T	20070822
JP2008063977 A2	20080321	JP20060240840	20060905
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US7743867 BB	20100629	US20070847165	20070829

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):^(std): ARAI NOBUHIRO ; ARAI NORIHIRO

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER
 ANWALTSSOZIETAET; HOGAN AND HARTSON LLP; RABIN AND BERDO PC

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
 MK MT NL PL PT RO RS SE SI SK TR YU

International class
 (IPC 8-9): [B60K13/04](#) [B62J99/00](#) [B62K11/00](#) [B62K19/30](#) [F01N13/14](#) [F01N7/00](#) [F02D35/00](#)
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[B62J99/00](#) [B62K11/00](#) [F01N7/00](#) [F02D35/00](#) [F02D41/14](#) (Core/Invention)

CPC: [B62K11/04](#) [F01N13/14](#) [F01N2560/00](#) [F01N2590/04](#) [F02D41/1439](#)

European class: [B62K11/04](#) [F01N13/14](#) [F02D41/14D1](#) [R01N560/00](#) [R01N590/04](#)

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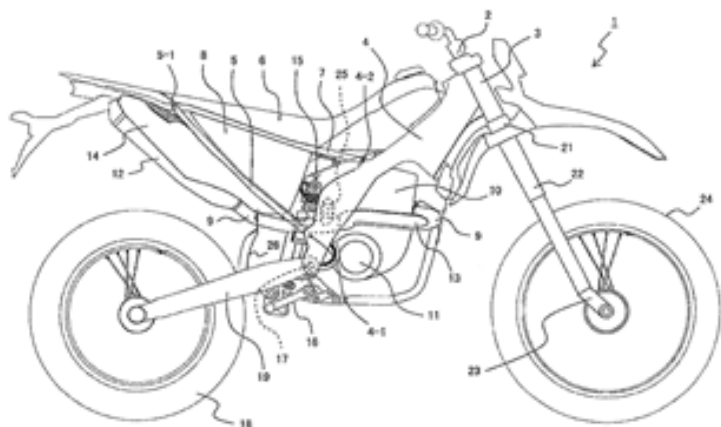
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Forward Citations: WO15072034, USD694155, US8474857, US2011074139, US2009236175,
 JP2015072034, EP2489847, CN102844552, CN102844552,

Abstract:

Source: US2008053730A An exhaust gas sensor for a motorcycle that is protected against sprayed mud and flying stones without a dedicated protective cover. The exhaust gas sensor is inclined inward to the inside of the motorcycle body relative to a vertical line passing through a sensor attachment part formed on an upper part of an exhaust pipe on the inside of a main frame. The exhaust gas sensor is positioned above a pivot shaft of a seat cushion, in front of a shock absorber, and in front of a mud flap in front of a rear wheel. The exhaust gas sensor is protected by the exhaust pipe at a lower portion of the sensor. A front portion of the exhaust gas sensor is surrounded and protected by parts around the handlebars and parts around the engine. Both sides of the exhaust gas sensor are surrounded and protected by the main frame, the engine, the parts around the engine, and various parts engaging the shock absorber. A rear portion of the exhaust gas sensor is protected by the mud flap.

PatBase - US7743867_BB



0) US2001039908A – FOUR STROKE ENGINE WITH INTAKE MANIFOLD

23) Family number: 30431271 (US2001039908A)

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Title: FOUR STROKE ENGINE WITH INTAKE MANIFOLD

Priority: JP20000313738 20001013 US20000185703P 20000229 US20000229338P 20000901
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Family:

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<u>WO0218820 C2</u>	20030327	WO2001US27301	20010904
<u>WO0225082 A2</u>	20020328	WO2001EP11081	20010925

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Assignee(s):

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Inventor(s)^(std): BILEK ANDREAS ; EHLERS WILFRIED ; ENNSMANN ROLAND ; HEER SIOGFRIED ; HOCHMAYR MARKUS ; HOLXI RITNER JOHANN ; HOLZI RITNER JOHANN ; HOLZLEITNER JOHANN ; KORENJAK NORBERT ; KUSEL HEINZ ; KUSEL RUDOLF ; OBERROITHER WOLFGANG ; OHRENBERGER GERD ; OHRENBERGER GERD ; SONNLEITNER MICHAEL ; STOCKHAMMER JOSEPH ; TSCHERNE RUDOLF ; WOLFSGRUBER ALOIS ; AICHINGER MANFRED

Inventor(s): ALOIS WOLFSGRUBER ; ANDREAS BILEK ; RUDOLF KUSEL ; ROLAND ENNSMANN ; MICHAEL SONNLEITNER ; MARKUS HOCHMAYR ; HEINZ KUSEL ; GERD OHRENBERGER ; RUDOLF TSCHERNE ; MANFRED AICHINGER ; NORBERT KORENJAK ; JOHANN HOLZLEITNER ; GERD OHRENBERGER

Agent(s): OSLER HOSKIN AND HARCOURT LLP ; BOMBARDIER RECREATIONAL PRODUCTS INC, INTELLECTUAL PROPERTY DEPT ; BOMBARDIER RECREATIONAL PRODUCTS INC INTELLECTUAL PROPERTY DEPT ; OSLER HOSKIN AND HARCOURT LLP (BRP) ; OSLER HOSKIN AND HARCOURT LLP BRP ; BRP LEGAL SERVICES

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class
(IPC 8-9): B60K5/02 B63H11/00 B63H21/10 F01B1/12 F01L1/02 F01L1/053 F01L1/18 F01L1/24 F01L1/245 F01L1/26 F01L13/08 F01M1/12 F01M11/02 F01M13/04 F01N13/00 F01N13/02 F01N13/12 F01N3/04 F01N7/00 F01N7/02 F01P3/02 F01P9/00 F02B33/00 F02B33/26 F02B33/34 F02B33/40 F02B33/44 F02B39/04 F02B39/14 F02B43/00 F02B61/02 F02B61/04 F02B63/04 F02B67/00 F02B67/04 F02B67/06 F02B67/10 F02B75/00 F02B75/16 F02B75/18 F02B75/20 F02B75/22 F02B77/08 F02F1/24 F02F1/42 F02F7/00 F02M35/10 F02M35/104 F02M35/16 F02M69/46 F16H55/56 F16H7/08 F16H9/12 (Advanced/Invention); F01M1/12 F01M11/00 F01M13/04 F01P3/20 F02B1/04 F02B75/02 F02B75/18 F02F1/24 F16H61/662 F16H7/08 (Advanced/Non-invention); B60K5/00 B63H11/00 F01B1/00 F01L1/02 F01L1/04 F01L1/18 F01L1/20 F01L1/26 F01M11/02 F01M13/00 F01N3/04 F01N7/00 F01P3/02 F01P9/00 F02B33/00 F02B33/02 F02B33/44 F02B39/00 F02B39/02 F02B61/00 F02B63/00 F02B67/00 F02B67/04 F02B67/06 F02B75/00 F02F1/24 F02F1/42 F02F7/00 F02M35/00 F02M35/10 F02M35/104 F02M69/46 F16H55/32 F16H7/08 F16H9/02 (Core/Invention); F01M11/00 F01P3/20 F02B1/00 F02B75/02 F02F1/24 F16H61/66 F16H7/08 (Core/Non-invention)

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CPC: F02M25/06 F16H9/18 Y02T10/14 Y02T10/144 Y02T10/20 F01N2590/04 F01N13/004 B63B2770/00 F01L1/02 F01L1/022 F01L1/024 F01L1/053 F01L1/18 F01L1/181 F01L1/2411 F01L1/245 F01L1/26 F01L2001/0535 F01L2101/00 F01L2105/00 F01M1/08 F01M2001/126 F01M2011/002 F01M2011/0033 F01M2011/0066 F01M2013/0427 F01N3/04 F01N3/043 F01N3/046 F01N13/02 F01N2590/022 F01P3/02 F01P3/20 F01P9/00 F01P2050/02 F01P2050/04 F01P2050/06 F01P2060/04 F01P2060/16 F02B1/04 F02B33/26 F02B33/34 F02B33/40 F02B33/44 F02B39/04 F02B39/14 F02B61/04 F02B63/04 F02B67/00 F02B67/06 F02B67/10 F02B77/085 F02B2075/1812 F02B2275/18 F02F1/242 F02F1/243 F02F7/0031 F02M35/10032 F02M35/10039 F02M35/10072 F02M35/10111 F02M35/10144 F02M35/10163 F02M35/10216 F02M35/10222 F02M35/10268 F02M35/10275 F02M35/112 F02M35/116 F02M35/167 F02M69/462 F02M69/465 F16H7/0848 F16H2007/0806 F16H2007/0812 F16H2007/0859 Y10T74/19093 Y10T74/19102 F02N15/006 F01B1/12 F01M11/02 F01M13/04 F01M2013/0422 F01M2013/0461 F02B61/02 F02B61/045 F02B67/04 F02B75/16 F02B75/20 F02B75/22 F02B75/224 F02B2075/027 F02B2075/1808 F02B2275/08 F02B2275/20 F02F1/4214 F02F2001/245 F05C2201/021 F16H9/12 F16H55/56 F16H55/563 F16H61/662 G05B2219/23078 G05B2219/25092 G05B2219/25115 G05B2219/2637

European class: F01B1/12 F01L1/02 F01L1/02A F01L1/02B F01L1/053 F01L1/18 F01L1/18B F01L1/245 F01L1/24D F01L1/26 F01M1/08 F01M11/02 F01M13/04 F01N13/00C F01N13/02 F01N3/04B F01N3/04B2 F01P3/02 F01P9/00 F02B33/26 F02B33/34 F02B33/40 F02B33/44 F02B39/04 F02B39/14 F02B61/02 F02B61/04 F02B61/04B F02B63/04 F02B67/00 F02B67/04 F02B67/06 F02B67/10 F02B75/16 F02B75/20 F02B75/22 F02B75/22C F02B77/08F F02F1/24B F02F1/24C F02F1/42B F02F7/00B3 F02M35/10A6C

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US class:

114/55.5 114/55.500P 123/1 123/1.00A 123/1.00AP 123/182.1 123/184.31 123/192.1
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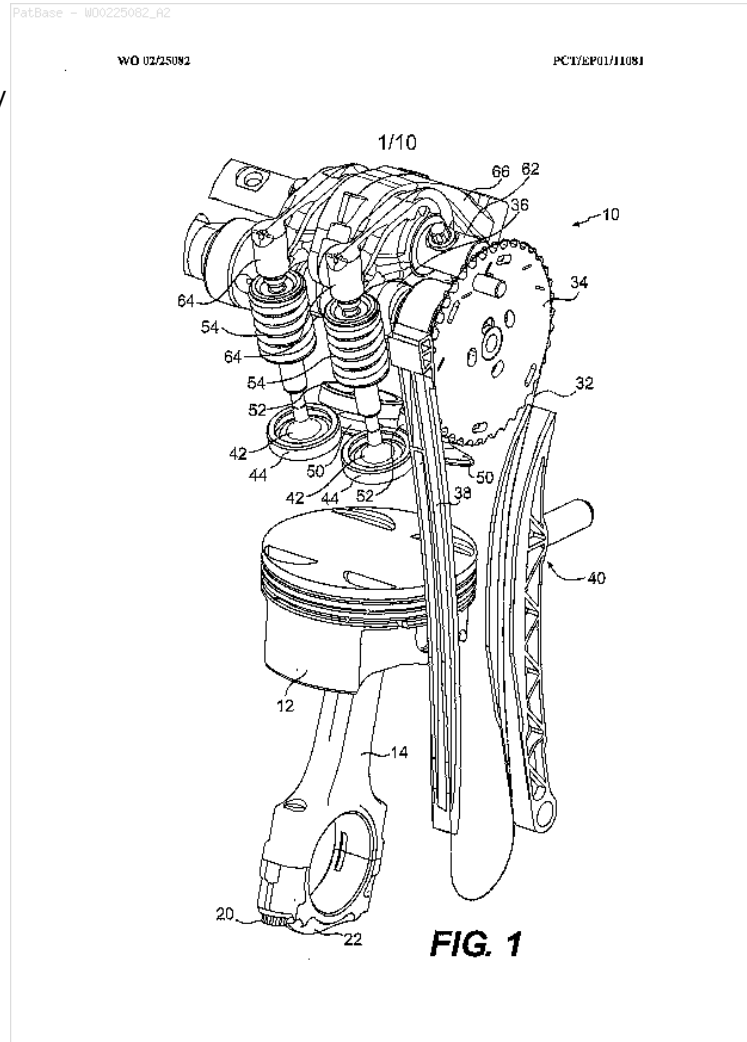
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Forward Citations: WO14052725, WO12030816, WO12030816, WO10060184, WO10006494, WO08148208,
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Abstract:

Source: US2001039908A The four stroke internal engine having an air intake system connected to the cylinder head and operatively connected to the intake passageway. The air intake system includes an air intake manifold having symmetrical construction with a central air passageway extending between a first end and a second end. At least one passageway extends from the central air passageway to a free end, which is operatively coupled to the intake passageway. The air intake system is usable for both a supercharged and normally aspirated engines.



24) Family number: 53090216 (US2013049343A)

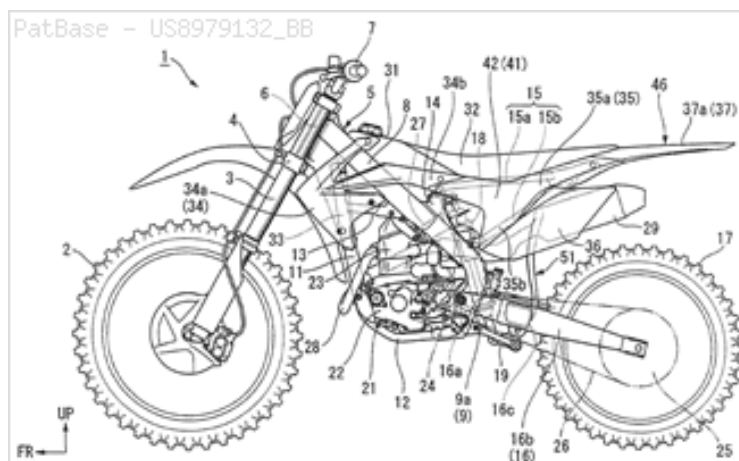
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Title: MUDGUARD STRUCTURE FOR STRADDLE-RIDE TYPE VEHICLE**Priority:** EP20120178461 20120730 JP20110183428 20110825

Family:	Publication number	Publication date	Application number	Application date
	AU2012204151 AA	20130314	AU20120204151	20120712
	AU2012204151 BB	20140306	AU20120204151	20120712
	DE602012002871 D1	20141009	DE201260002871T	20120730
	EP2562068 A1	20130227	EP20120178461	20120730
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	JP2013043588 A2	20130304	JP20110183428	20110825
	JP5728331 B2	20150603	JP20110183428	20110825
	US2013049343 AA	20130228	US20120564774	20120802
	US8979132 BB	20150317	US20120564774	20120802

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD ; INOUE YUSUKE ; MATSUSHIMA SATOSHI**Assignee(s):** HONDA MOTOR CO**Inventor(s):^(std):** INOUE YUSUKE ; MATSUSHIMA SATOSHI ; MATSUSHIMA REI**Inventor(s):** MATSUSHIMA SATOSHI SAITAMA ; INOUE YUSUKE SAITAMA**Agent(s):** SPRUSON AND FERGUSON; PATENTANWALTE WEICKMANN AND WEICKMANN; HERZOG MARKUS; BIRCH STEWART KOLASCH AND BIRCH LLP**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**International class** [B62D25/18](#) [B62J15/00](#) [B62J15/04](#) [B62J33/00](#) [B62K11/04](#) [B62K25/20](#)
(IPC 8-9): [B62M7/02](#) (Advanced/Invention)**CPC:** [B62J15/04](#) [B62J33/00](#) [B62K11/04](#)**US class:** [180/68.3](#) [280/852](#)[Classification Explorer](#)**Cited documents:** US2008308331 AA, JPS5989279, JPS59170092 U, JP6135362 A2, JP59170092 U1, JP59170092 U, JP59089279 A2, JP57015083 A2, JP57015083, JP5072686 U, JP5072686 U, JP2005313671 A2, JP2005313671, JP2001088762 A2, JP05072686 U, EP1995163 A1,**Forward Citations:** US9233727, JP5824017, JP2015067247,**Abstract:**

Source: US2013049343A A mudguard structure for a straddle-ride vehicle suppresses the enlargement of an attachment portion of a mud shield plate and makes satisfactory the external appearance of the circumference of a rear fender. A mudguard has left and right erecting walls erecting to the rear from respective left and right outer edges thereof and a front-lower concave portion integrally continuing into a lower portion of a rear wheel runout concave portion of a rear fender. A box-like attachment portion for attachment to the rear fender is located at each of both, left and right, sides of the upper end portion of the mudguard.



25) Family number: 43199252 (US2009108557A)

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Title: MOTORCYCLE
Priority: JP20070284225 20071031
Family:

Publication number	Publication date	Application number	Application date
CN101423084 A	20090506	CN200810173915	20081030
CN101423084 B	20101117	CN200810173915	20081030
IN01715KO2008 A	20090605	IN2008KO01715	20081003
JP2009107565 A2	20090521	JP20070284225	20071031
TW200930606 A	20090716	TW20080136695	20080924
TWI378046 B	20121201	TW20080136695	20080924
US2009108557 AA	20090430	US20080260853	20081029
US8317212 BB	20121127	US20080260853	20081029

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):^(std): HANAI TETSUYA ; KOBAYASHI YUUTA ; YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA MOTOR CO ; YAMAHA MOTOR CO LTD JP ; YAMAHA HATSUDOKI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA

Inventor(s):^(std): HANAI TETSUYA ; KOBAYASHI YUUTA ; YUUTA KOBAYASHI ; TETSUYA HANAI ; KOBAYASHI YUTA

Agent(s): HARUKA PATENT AND TRADEMARK ATTORNEYS; HAYNES AND BOONE LLP IP SECTION; KEATING AND BENNETT LLP

International class
 (IPC 8-9): [B62D25/16](#) [B62D25/18](#) [B62J15/00](#) [B62J6/00](#) [B62J99/00](#) (Advanced/Invention);
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[B62J15/00](#) (Core/Non-invention)

International class
 (IPC 1-7): [B60K11/00](#)

CPC: [B62J15/04](#) [B62J15/00](#)

European class: [B62J15/00](#) [B62J15/04](#)

US class: [180/219](#) [280/152.1](#) [280/152.100P](#) [280/152.2](#) [280/152.3](#) [280/154](#) [280/847](#) [280/848](#) [280/854](#)

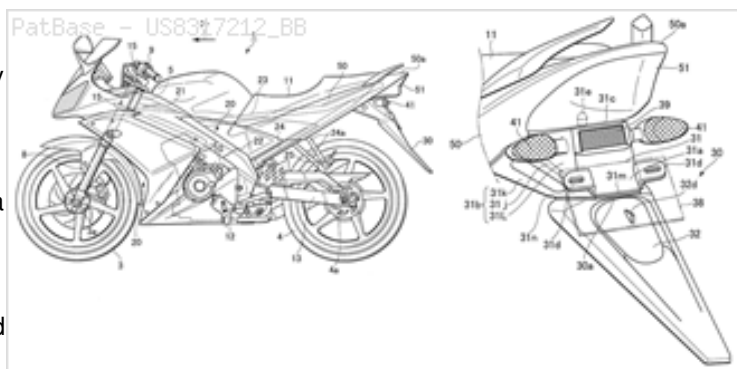
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Forward Citations: USD725002, US9481422, US9434436, US9233727, US9120520, US2016214671, US2014084623, CN103029775,

Abstract:

Source: US2009108557A To provide a motorcycle having a rear fender that effectively prevents a rear wheel, for example, from splashing mud and may support a light stably in accordance with various embodiments. For example, a motorcycle is disclosed for an embodiment having a rear fender that covers a rear wheel, and lights supported by the rear fender. The rear fender includes a support portion that supports the lights, and a lower mudguard extending downward from the support portion, and a dented portion is formed on a surface thereof between the support portion and the lower mudguard to extend to one edge of the rear fender in a motorcycle width direction from the other edge.



26) Family number: 20687950 (US6293220B)

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Title: Vehicle trailer assembly**Priority:** NZ19980329803 19980216 WO1998NZ00154 19981012

Family:	Publication number	Publication date	Application number	Application date
	<u>AU199897673 A1</u>	19990830	AU19980097673	19981012
	<u>AU738917 B2</u>	20010927	AU19980097673	19981012
	<u>US6293220 BA</u>	20010925	US20000640287	20000816
	<u>WO9941132 A1</u>	19990819	WO1998NZ00154	19981012

Probable Assignee: TUFF LITE LTD**Assignee(s):^(std):** HALSALL KEVIN THOMAS ; KEVIN THOMAS HALSALL**Assignee(s):** TUFF LITE LTD**Inventor(s):^(std):** HALSALL KEVIN THOMAS ; KEVIN THOMAS HALSALL**Agent(s):** PIPERS BRISBANE

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class
(IPC 8-9): [B60P3/10 B62D63/06](#) (Advanced/Invention);
[B60P3/06 B62D63/00](#) (Core/Invention)

International class
(IPC 1-7): [B60P3/42 B62D63/06 B62D65/00 B63B7/00](#)

CPC: [B60P3/105 B62D63/064](#)**European class:** [B60P3/10F3 B62D63/06C2](#)**US class:** [114/353](#)[Classification Explorer](#)**Cited documents:** WO9600667 A1, US5314200 A, US4781392 A, US3266836 A, US2256038 A, FR2565191 A1, FR2190088 A5, AU7793281 A1,**Forward Citations:** WO05073061, USD663241, USD598327, US8539899, US8360506, US6994393, US2012126571, US2008073937, DE102008018138,

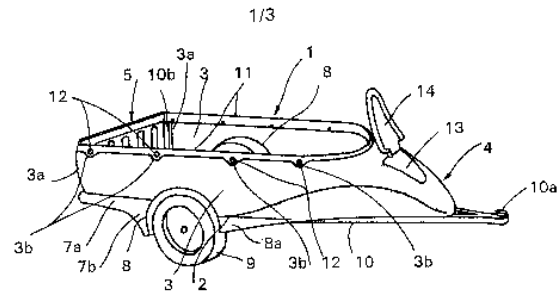
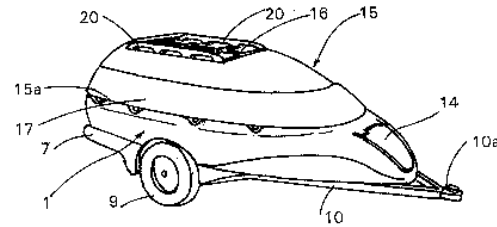
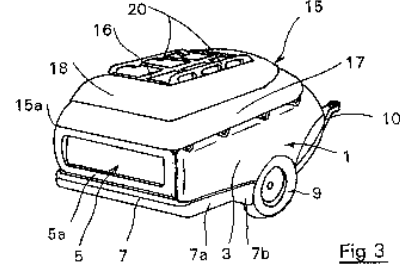
Abstract:

Source: US6293220B A vehicle trailer assembly including a flat deck wheeled chassis or sub-assembly detachably mounting an integrally molded plastics main body having a floor part with upstanding opposite side walls and conjoining rounded and forwardly tapering front end part, a plastics transverse tail gate for closing the main body at or between the rear ends of the opposite side walls and hingeably mounted either to a rear end portion of the floor part or to a transverse rear end part of the wheeled chassis or sub-assembly. An integrally molded plastics cover component of inverted dinghy boat or dished form having inclined opposite side walls and a tapering forward end being detachably or hingeably mounted on the main body for closing up of the assembly and providing the trailer body assembly with a streamlined substantially bullet shape. An optional molded plastics intermediate wall component is provided for fitment between the main body and cover compartment to increase the trailer load carrying capacity; and an optional complementary shaped plastics dinghy is provided for mounting inverted on the cover component.

PatBase - W09941132_A1

WO 99/41132

PCT/NZ93/00154

Fig 1Fig 2Fig 3

27) Family number: 60967367 (EP2949567A1)

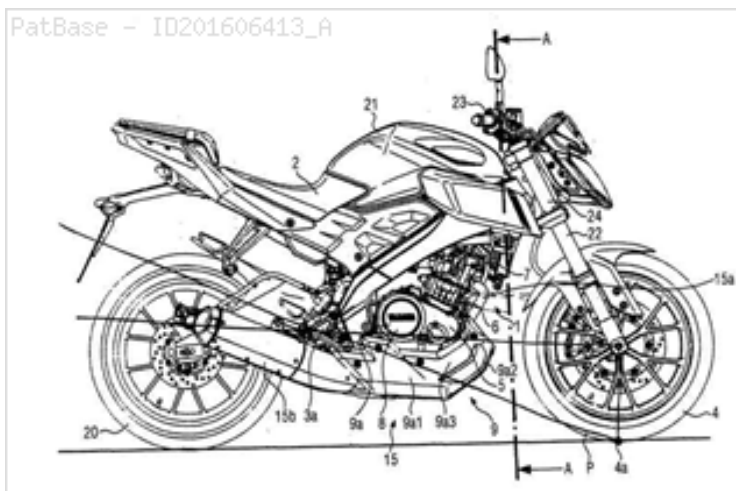
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Title: GRAETSCHSITZFAHRZEUG MIT EINZYLINDERMOTOR STRADDLE TYPE VEHICLE WITH SINGLE CYLINDER ENGINE**Priority:** EP20140170603 20140530**Family:**

Publication number	Publication date	Application number	Application date
<u>BR102015012768 A2</u>	20161018	BR20151012768	20150601
<u>EP2949567 A1</u>	20151202	EP20140170603	20140530
<u>ID201606413 A</u>	20161125	ID2015P0003186	20150528
<u>IN01796MU2015 A</u>	20160708	IN2015MU01796	20150506

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD ; YAMAHA MOTOR CO LTDA**Assignee(s):** YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** GIACOBBE DAVIDE**Inventor(s):** DAVIDE GIACOBBE**Agent(s):** GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; ROHALDY MULUK**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**International class** B62J17/00 B62J17/04 B62J23/00 B62J25/00 B62J99/00 B62K11/04 B62M7/04
(IPC 8-9): F01M11/00 (Advanced/Invention)**CPC:** B62J17/00 B62J23/00 B62J25/00 B62K11/04 B62M7/04[Classification Explorer](#)**Cited documents:** US6360839 BA, JP8253185 A2, JP5085444 A2, JP2006027397 A2, EP2540605 A1, EP2226241 A1,**Abstract:**

Source: EP2949567A1 Straddle type vehicle with a single cylinder engine (1) fixed to a vehicle frame (10), a seat (2) for a rider supported at the vehicle frame, a pair of footrests (3a,3b) for the rider attached to the vehicle frame (10), and at least one front wheel (4), said single cylinder engine (1) comprises a crankcase (5) accommodating a crank mechanism, a cylinder block (6) having a single cylinder bore accommodating a piston connected with the crank mechanism, a cylinder head (7) arranged at a top end of the cylinder block (6), and a bottom end of the cylinder block (6) is arranged at an upper part of the crank case (5), said cylinder block (6) and/or said cylinder head (7) are at least partially exposed to the out side of the vehicle, wherein the crank case (5) comprises at least one side cover lid (8,11) attached to the crank case (5) to constitute an outermost portion of the crank case (5) in width direction of the vehicle, said side cover lid (8,11) is exposed to the out side, and a cover means (9) comprises at least one cover portion (9a,9b) arranged under said side cover lid (8,11), said cover portion (9a,9b) comprises a side section (9a1,9b1) that extends in a downward direction to cover a space under the crank case (5) and intersects an imaginary plan (P) that contains a road contact point (4a) of the front wheel (4) and outermost portions of the footrests (3a,3b) in width direction of the vehicle.



28) Family number: 34404244 (WO07046265A1)

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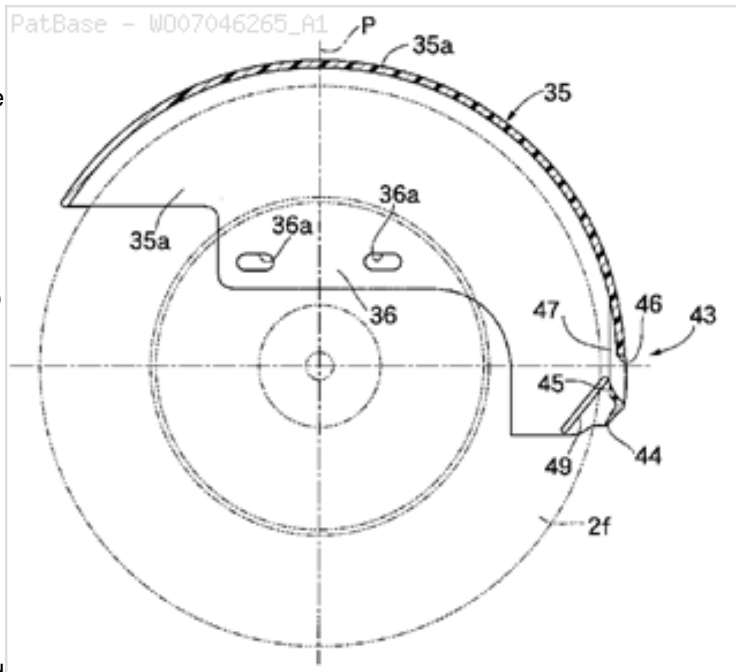
Title: SMALL-SIZED VEHICLE**Priority:** JP20050307845 20051021 WO2006JP20191 20061010 WO2006JP320191 20061010**Family:**

Publication number	Publication date	Application number	Application date
CN101291841 A	20081022	CN200680039138	20061010
CN101291841 B	20120613	CN200680039138	20061010
DE602006017248 D1	20101111	DE200660017248T	20061010
EP1946998 A1	20080723	EP20060811504	20061010
EP1946998 A4	20081224	EP20060811504	20061010
EP1946998 B1	20100929	EP20060811504	20061010
ES2350795 T3	20110127	ES20060811504T	20061010
JP2007111379 A2	20070510	JP20050307845	20051021
JP4657078 B2	20110323	JP20050307845	20051021
WO07046265 A1	20070426	WO2006JP320191	20061010

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std) HONDA MOTOR CO LTD ; ICHIKAWA KATSUHISA ; MARUYAMA SHUHEI ; MINATO KAZUHIRO ; NAGAOKA MASATOSHI**Assignee(s):** HONDA GIKEN KOGYO KABUSIKI KAISHA ; HONDA MOTOR CO**Inventor(s):**^(std) ICHIKAWA KATSUHISA ; KATSUHISA ICHIKAWA ; KAZUHIRO MINATO ; MARUYAMA SHUHEI ; MASATOSHI NAGAOKA ; MINATO KAZUHIRO ; NAGAOKA MASATOSHI ; SHUHEI MARUYAMA**Agent(s):** PIESOLD ALEXANDER JAMES**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 HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR 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**International class**
(IPC 8-9): [A61G5/04](#) [B60S1/68](#) [B62D25/18](#) [B62J15/00](#) [B62K5/00](#) (Advanced/Invention) ;
[A61G5/00](#) (Core/Invention)**CPC:** [B62K5/007](#) [B60G7/00](#) [B60G9/00](#) [B60G2200/142](#) [B60G2200/314](#) [B60G2200/422](#)
[B60G2200/44](#) [B60G2204/143](#) [B60G2204/1482](#) [B60G2206/124](#) [B60G2300/13](#)
[B60G2300/24](#) [B60G2300/26](#) [B60G2300/50](#) [B62D25/182](#) [B62J15/00](#)**European class:** [B60G7/00](#) [B60G9/00](#) [B62D25/18B](#) [B62J15/00](#) [B62K5/007](#) [L60G200/142](#) [L60G200/314](#)
[L60G200/422](#) [L60G200/440](#) [L60G204/143](#) [L60G204/1482](#) [L60G206/124](#) [L60G300/13](#)
[L60G300/24](#) [L60G300/26](#) [L60G300/50](#)[Classification Explorer](#)**Cited documents:** US5564750 A, NL73487 C, JPS62184085 U, JPS58184381 U, JP9315343 A2, JP9315343, JP64008480 U1, JP62184085 U1, JP62184085 U, JP6008866 A2, JP58184381 U1, JP58184381 U, JP2012983 U1, JP2003072623 A2, JP2000238678 A2, JP11342867 A2, GB2364034 A1, GB206790 A, FR1575907 A, EP0523458 A1,**Forward Citations:** CN105026226, CN102381398, CN102139725,

Abstract:

A small-sized vehicle in which a fender (35) is so disposed along the outer peripheral surface of a wheel (2f) as to cover the upper part of the wheel (2f). The fender (35) includes a first soil discharge piece (44) projected from its rear end edge to the outer peripheral surface of the wheel (2f), a slit (46) positioned on the upper side of the first soil discharge piece (44) and extending in the lateral direction of the wheel (2f), and a second soil discharge piece (45) projected from the lower edge of the slit (46) to the outer peripheral surface of the wheel (2f). When the wheel (2f) rotates forward, the first soil discharge piece (44) scrapes down mud on the outer peripheral surface of the wheel (2f), and when it rotates backward, the second soil discharge piece (45) scrapes down the mud on the outer peripheral surface of the wheel (2f) to discharge the mud to the outside through the slit (46). When such a structure that the fender is so disposed along the outer peripheral surface of the wheel as to cover the upper part of the wheel is adopted in the small-sized vehicle, the vehicle can lightly travel even in a muddy place by preventing mud from being caught between the wheel and the fender.



29) Family number: 42105249 (EP1958860A2)

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Title: Motorcycle with an air duct member**Priority:** EP20080250503 20080212 JP20070032562 20070213

Family:	Publication number	Publication date	Application number	Application date
	AT525275 E	20111015	AT20080250503T	20080212
	CN101244736 A	20080820	CN200810009738	20080213
	CN101244736 B	20111207	CN200810009738	20080213
	DE602008009950 D1	20111201	DE200860009950T	20080212
	EP1958860 A2	20080820	EP20080250503	20080212
	EP1958860 A3	20090415	EP20080250503	20080212
	EP1958860 B1	20110921	EP20080250503	20080212
	ES2371691 T3	20120109	ES20080250503T	20080212
	JP2008195235 A2	20080828	JP20070032562	20070213
	JP5032142 B2	20120926	JP20070032562	20070213
	TW200911606 A	20090316	TW20080102230	20080121
	TWI335290 B	20110101	TW20080102230	20080121

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI IWATA KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO**Inventor(s):^(std):** TARUMI SEIJI ; SEIJI TARUMI**Inventor(s):** TARUMI SEIJI C O YAMAHA HATSUDOKI KK ; TARUMI SEIJI C O YAMAHA HATSUDOKI KABUSHIKI KAISHA**Agent(s):** MARKS AND CLERK LUXEMBOURG LLP; LAMB MARTIN JOHN CARSTAIRS**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 MK MT NL NO PL PT RO RS SE SI SK TR

International class [B60K11/04](#) [B62J17/00](#) [B62J17/02](#) [B62J39/00](#) [B62J99/00](#) (Advanced/Invention);
 (IPC 8-9): [B62J17/00](#) [B62J99/00](#) (Core/Invention);
[B62J17/00](#) [B62J99/00](#) (Core/Non-invention)

CPC: [B62J17/02](#) [B62K2202/00](#)**European class:** [B62J17/02](#) [L62K202/00](#)[Classification Explorer](#)**Cited documents:** TWI245720, JP4118390 A, JP2006142911 A2, JP2006142911 A, JP2005041456 A2, JP200219672 A, JP10181659 A2, EP1496241 A2, EP1496241 A2,**Forward Citations:** JP5570940, JP2012153299, JP2012091662, CN102673699, CN102673699, CN101823423,

Abstract:

Source: EP1958860A2 A cowling (2) is provided with a recess (13) that faces a rear upper section of a front wheel (3). An air duct member (15) is provided in the recess (13) such that the periphery of the air duct member (15) is surrounded by the cowling (2). The air duct member (15) guides running wind from inside the recess (13) toward a radiator (14). The air duct member (15) is provided with a plurality of cooling air ducts (21 to 36) that are formed in a line with a distance of separation between each other in the upward-downward direction. A front surface of the cooling air ducts (21 to 36) is oriented toward the lower front side of the vehicle body. A rear surface of the cooling air ducts (21 to 36) is oriented toward the upper rear side of the vehicle body. When viewed from the front of the vehicle body, the cooling air ducts (21 to 36) incline with gradually changing height from an end section at the outside in the vehicle width direction toward a vehicle width direction central portion.

PatBase - TWI335290_B

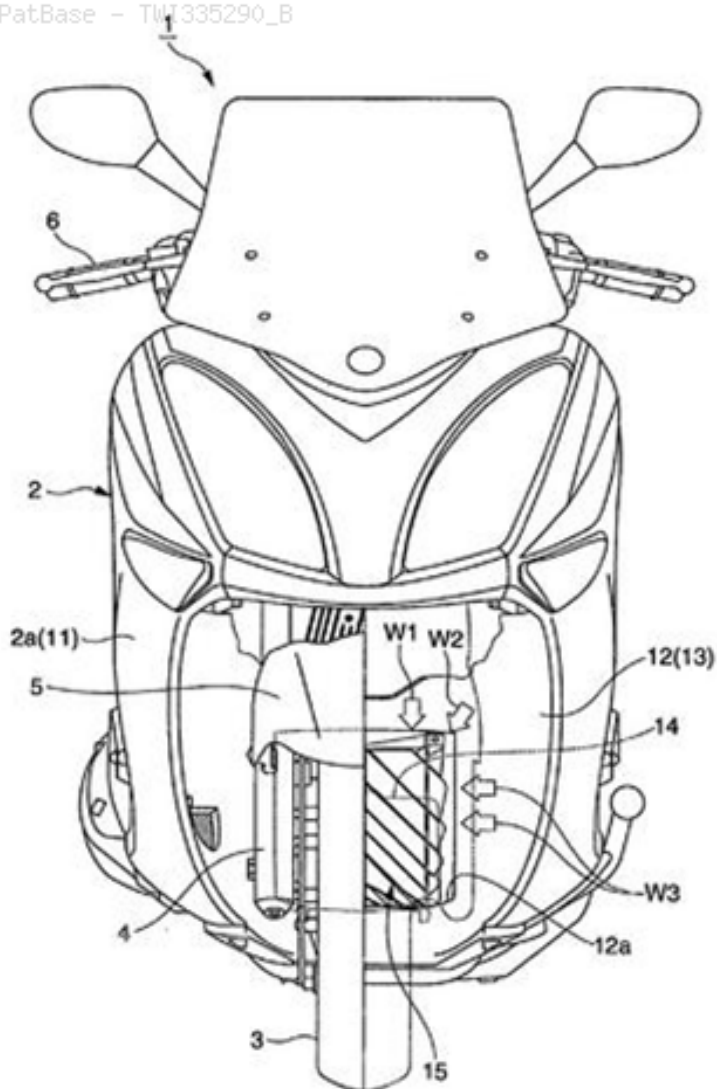


圖 2

0) US2014063825A – REAR STRUCTURE OF SADDLE–RIDE TYPE VEHICLE

30) Family number: 55891357 (US2014063825A)

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Title: REAR STRUCTURE OF SADDLE–RIDE TYPE VEHICLE

Priority: JP20120187341 20120828 JP20120286623 20121228

Family:	Publication number	Publication date	Application number	Application date
	EP2703267 A1	20140305	EP20130180964	20130820
	JP2014061867 A2	20140410	JP20120286623	20121228
	JP6093176 B2	20170308	JP20120286623	20121228
	TH134434 A	20140606	TH20131003927	20130715
	US2014063825 AA	20140306	US20130964334	20130812
	US8905419 BB	20141209	US20130964334	20130812

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): ARAI YOSHIHIRO ; ATSUCHI MICHIO ; INADA KYOSUKE ; NAGAYAMA MASASHI ; NAKAMURA MASANORI ; SASAKI NORIYOSHI ; YAMANAKA TAKASUMI ; YAMANAKA NORIZUMI ; SASAKI NOBUYOSHI ; ATSUKI MICHIO ; ARAI NAMIKIHIRO

Agent(s): AHNER PHILIPPE; BIRCH STEWART KOLASCH AND BIRCH LLP

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

International class [B60K13/02](#) [B62D25/16](#) [B62J15/00](#) [B62J6/00](#) [B62J6/04](#) [B62J6/18](#) [B62J7/04](#) [B62J9/00](#)
(IPC 8-9): [B62J99/00](#) (Advanced/Invention);
[B62J15/00](#) (Core/Invention)

CPC: [B60K13/02](#) [B62J7/04](#) [B62J6/04](#) [B62D25/16](#) [B62J15/00](#)

US class: [280/219](#) [296/198](#) [296/37.1](#) [362/473](#)

[Classification Explorer](#)

Cited documents: US8459393 BB, US7766355 BB, US7431114 BB, US2013240276 AA, US2006000652 AA, US2005145427 AA, US2004231899 AA,

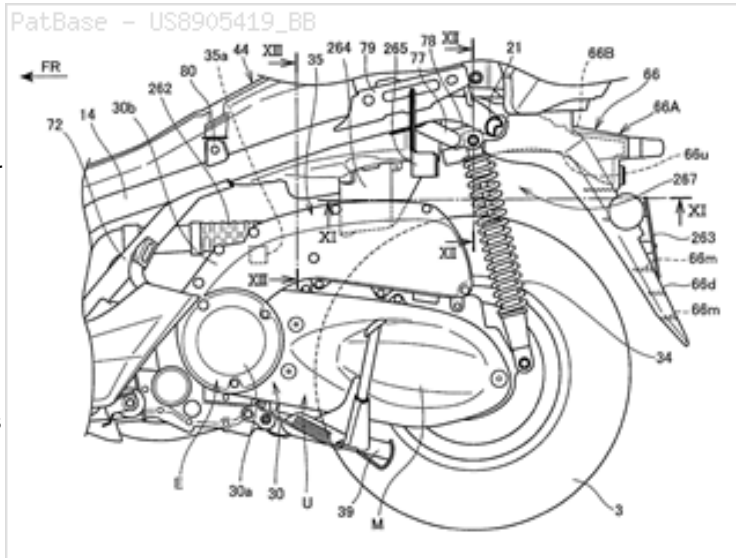
JPWO2004078573 A1

JP8011765 A2, JP8011765, JP57000965 A2, JP57000965, JP53115556 U, JP53115556 U, JP4278888 A2, JP4278888, JP4169385 A2, JP4169385, JP2012051388 A2, JP2012051388, JP2005162103 A2, JP2005162103, JP2004231172 A2, JP2004231172, JP2004078573 A1, JP2002235535 A2, JP2002029475 A2, JP10007058 A2, JP10007058, EP1555197 A2,

Forward Citations: US8814244, US2016214671, US2013249233,

Abstract:

Source: US2014063825A A rear structure of a saddle-ride type vehicle for preventing rainwater or the like splashed by a rear wheel from entering a fresh air inlet of an engine intake system. The rear structure of a saddle-ride type vehicle includes a rear fender halved into a first fender and a second fender connected to each other. The first fender is formed with a hanging portion so as to cover the rear and upside of a rear wheel and the second fender covering the upside of the rear wheel with a fresh air inlet being provided lateral to and in front of the rear wheel. The first fender and the second fender are disposed to overlap each other in an anteroposterior direction. The second fender is disposed on the vehicle-widthwise inside of the first fender. The second fender has anteroposteriorly and downwardly extending sidewalls at both vehicle-widthwise lateral end portions.



31) Family number: 10224288 (EP0754615A2)

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Title: FRONT FENDER MOUNTING STRUCTURE FOR MOTORCYCLE OR TRICYCLE**Priority:** JP19950185798 19950721

Family:	Publication number	Publication date	Application number	Application date
	<u>CN1082470 C</u>	20020410	CN19961010644	19960711
	<u>CN1141254 A</u>	19970129	CN19961010644	19960711
	<u>DE69613914 D1</u>	20010823	DE19966013914	19960617
	<u>DE69613914 T2</u>	20011108	DE19966013914T	19960617
	<u>EP0754615 A2</u>	19970122	EP19960109705	19960617
	<u>EP0754615 A3</u>	19971210	EP19960109705	19960617
	<u>EP0754615 B1</u>	20010718	EP19960109705	19960617
	<u>ES2159663 T3</u>	20011016	ES19960109705T	19960617
	<u>JP3561333 B2</u>	20040902	JP19950185798	19950721
	<u>JP9030472 A2</u>	19970204	JP19950185798	19950721
	<u>KR0185771 B1</u>	19990415	KR19960029245	19960719
	<u>KR100185771 B1</u>	19990415	KR19960029245	19960719
	<u>KR19970006111 A</u>	19970219	KR19960029245	19960719
	<u>TW294639 B</u>	19970101	TW19950110174	19950929

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO K K TOKIO TOKYO ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK ; HONDA GIKEN KOGYO KKJP**Inventor(s):**^(std): NAKAGOME YOSHIO ; NAKAGOMI YOSHIO ; NAKAKOMI YOSHIO ; OKAZAKI TAISUKE ; OKAZAKI YASUNORI**Inventor(s):** YASUNORI OKAZAKI ; YOSHIO NAKAGOMI**Designated states:** DE ES FR GB IT

International class
 (IPC 8-9): [B62J15/00](#) [B62J15/02](#) (Advanced/Invention);
[B62J15/00](#) (Advanced/Non-invention);
[B62J15/00](#) (Core/Invention);
[B62J15/02](#) (Core/Non-invention)

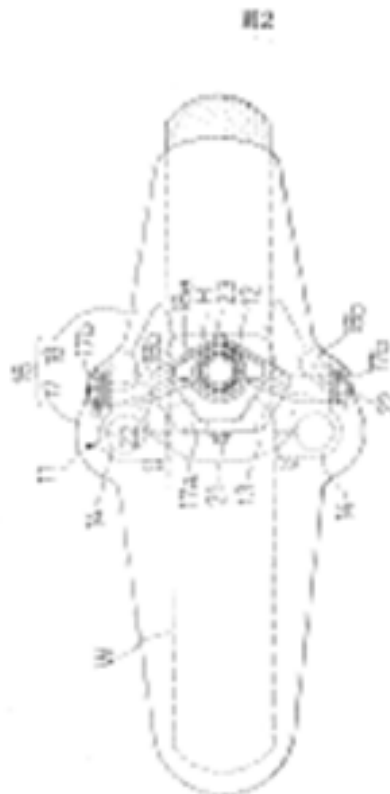
International class
 (IPC 1-7): [B62J15/00](#) [B62J15/02](#) [B62J15/2](#)

CPC: [B62J15/02](#)**European class:** [B62J15/02](#)[Classification Explorer](#)**Cited documents:** JP62231879 A2, JP3136985 A2, GB846420 A, FR2673415 A1,**Forward Citations:** WO16052184, JP2010070111, JP2008174040, EP1886907, EP1886907,

Abstract:

Source: EP0754615A2 To mount/dismount a front fender (16) under the presence of a leg shield (15) for improving workability upon maintenance and increasing the degree of freedom in assembling order in a motorcycle or a tricycle in which a front fender (16) composed of a fender front half member (17) and a fender rear half member (18) which can be separated from each other is mounted on a bottom bridge (13) of a front fork (11) and a recessed portion (15a) in which the front fender (16) is disposed in such a manner as to be allowed in the motion accompanied by the steering operation of the front fork (11) is provided in the front surface of the lower portion of a leg shield (15). The fender front half member (17) is removably fixed to the bottom bridge (13) from the outside of the recessed portion (15a) of the leg shield (15); and the right and left front portions of the fender rear half portion (18) having on the upper portion an engagement portion removably engageable with a locking portion (23) provided on the rear portion of the bottom bridge (13) are removably fixed to the bottom bridge (13) from the outside of the recessed portion (15a).

PatBase - TW294639_B



0) EP2394894A2 – SADDLE-RIDE TYPE VEHICLE MOTORRAD VEHICULE A ...

32) Family number: 50098728 (EP2394894A2)

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Title: SADDLE-RIDE TYPE VEHICLE

Priority: EP20110169031 20110608 JP20100134328 20100611 JP20100218473 20100929
PH20110000162 20110510

Family:	Publication number	Publication date	Application number	Application date
	BRPI1102501 A2	20121030	BR2011PI02501	20110527
	CN102285402 A	20111221	CN201110162866	20110610
	CN102285402 B	20130417	CN201110162866	20110610
	DE602011027052 D1	20160714	DE201160027052T	20110608
	EP2394894 A2	20111214	EP20110169031	20110608
	EP2394894 A3	20141210	EP20110169031	20110608
	EP2394894 B1	20160601	EP20110169031	20110608
	JP2012017085 A2	20120126	JP20100218473	20100929
	PH20110000162 A	20121112	PH20110000162	20110510
	TH117521 A	20121115	TH20111000681	20110518
	TH46404 B	20151015	TH20111000681	20110518
	VN12067 A1	20131225	VN20110001354	20110525

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ;
YAMAHA HATSUDOKI KK

Inventor(s):^(std): FUKITA ZENICHI ; KAMIMURA KAORU ; SUITA YOSHIKAZU ; SULTA YOSHIKAZU
IWATA SHI

Inventor(s): SUITA YOSHIKAZU IWATA SHI ; YOSHIKAZU SUITA ; KAORU KAMIMURA

Agent(s): GRUENECKER PATENT U RECHTSANWALTE PARTG MBB; GRUENECKER PATENT
U RECHTSANWALTE PARTG MBB; SAPALO VELEZ BUNDANG AND BULILAN LAW
OFFICES

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

International class
^{(IPC 8-9):} [B62J17/00](#) [B62J17/02](#) [B62J17/06](#) [B62J33/00](#) [B62J6/02](#) [B62J99/00](#) (Advanced/Invention);
[B62J17/00](#) (Core/Invention)

International class
^{(IPC 1-7):} [B62J17/00](#)

CPC: [B62J17/02](#) [B62J25/00](#) [B62J33/00](#) [B62K11/04](#) [B62K2202/00](#) [B62M7/04](#)

European class: [B62J17/02](#) [B62J25/00](#) [B62J33/00](#)

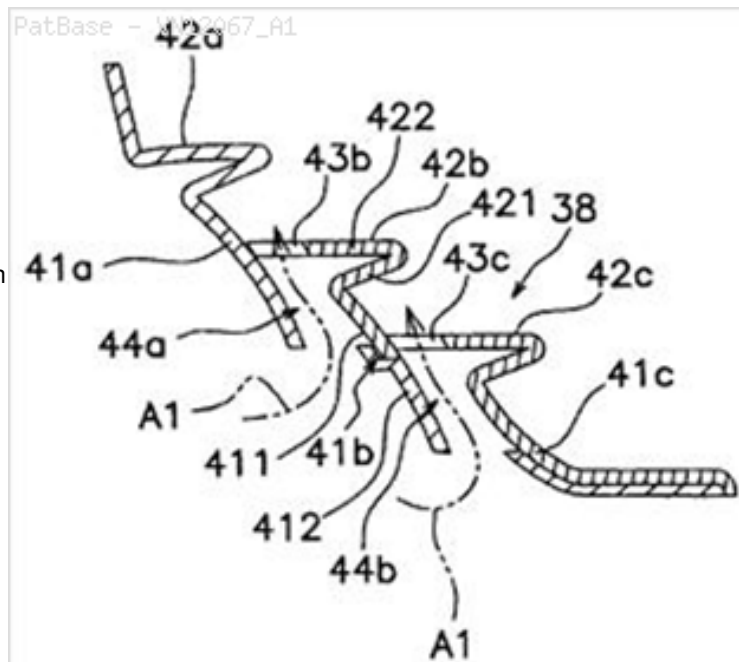
[Classification Explorer](#)

Cited documents: WO09038053 A1, WO06035920 A2, US4703825 A, US4519473 A, US2007228764 AA,
US2005224266 AA, JP49042641 U, JP49042641 U, JP2005047502 A2, JP2004291700
A2, JP2000280957 A2, GB2127363 A1, EP1992514 A1, EP1459973 A2, EP0021657 A2,
CN1576149 A, CN1532109 A, CN101244731 A,

Forward Citations: US8899653, US2012228046, ES2465742, ES2465741,

Abstract:

Source: EP2394894A2 It is an object of the present invention to inhibit rider's comfortableness from being deteriorated by the warmed air flowing out of a vehicle body cover in a saddle-ride type vehicle. A vehicle body cover (8) of a saddle-ride type vehicle includes plural slanted surfaces (41a-41c) on a top surface section (31) thereof. Each of the slanted surfaces (41a and 41b) is slanted for positioning the front portion thereof higher than the rear portion thereof. The slanted surfaces (41a and 41b) are disposed at a predetermined interval in a longitudinal direction of the vehicle body. The slanted surfaces (41a and 41b) form an air path (44a) therebetween. The air path (44a) communicates with the inner space enclosed by the vehicle body cover (8). The top surface section (31) includes a first blade (42a) extended rearwards over the slanted surface (41a).



33) Family number: 61113952 (EP2955090B1)

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Title: GRAETSCHSITZ–FAHRZEUG STRADDLE TYPE VEHICLE

Priority: EP20140196989 20141209 JP20140119769 20140610

Family:	Publication number	Publication date	Application number	Application date
	<u>DE602014002496 D1</u>	20160811	DE201460002496T	20141209
	<u>EP2955090 A1</u>	20151216	EP20140196989	20141209
	<u>EP2955090 B1</u>	20160629	EP20140196989	20141209
	<u>JP2015231803 A2</u>	20151224	JP20140119769	20140610

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std) YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KK

Inventor(s):^(std) HASHIMOTO NAOCHIKA ; KURAKAKE HARUHITO

Inventor(s): KURAKAKE HARUHITO SHIZUOKA KEN ; HASHIMOTO NAOCHIKA SHIZUOKA KEN

Agent(s): SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB
PATENTANWAELTE; STOECKELER FERDINAND

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

International class B60Q1/30 B62J15/00 B62J17/00 B62J6/04 B62K11/04 (Advanced/Invention)
(IPC 8-9):

CPC: B62K11/04 B62J6/04 B62J15/00 B62J17/00 B60Q1/0035 B60Q1/2696 B60Q1/30
B60Q1/38

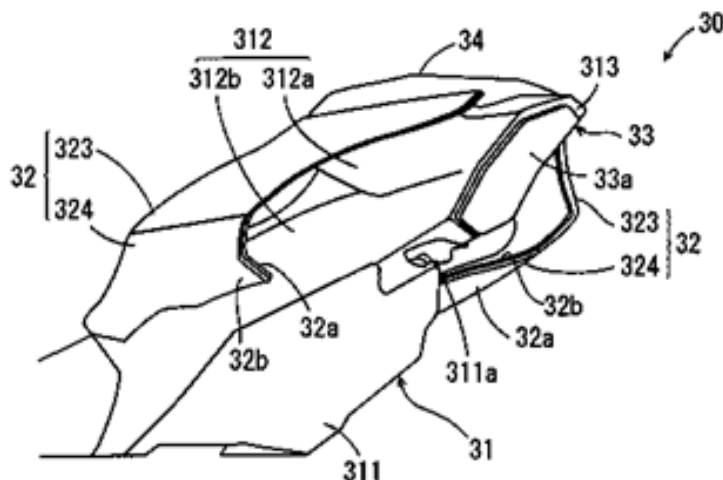
[Classification Explorer](#)

Cited documents: JP2009061889 A2, EP2540601 A1, EP2463184 A1, EP1700779 A1,

Abstract:

Source: EP2955090A1 A mud guard (40) and a tail lamp unit (33) are provided above a rear wheel (10). A tail cover unit (30) includes a tail cover (31) and a pair of right and left expanded portions (32). The pair of expanded portions (32) is provided at the right and left of the tail cover, respectively. Through holes (PS), which extend in a front-and-rear direction, are formed between a pair of side surfaces (312) of the tail cover and inner surfaces of the pair of expanded portions (32), respectively. A measurement (W3) in a vehicle width direction of the mud guard (40) is smaller than a measurement (W4) in the vehicle width direction from an outer end of the one expanded portion to an outer end of the other expanded portion, and is larger than a measurement (W2) in the vehicle width direction of the tail cover.

PatBase - JP2015231803_A2



Title: RADIATOR STRUCTURE FOR TWO-WHEELED VEHICLE**Priority:** JP20130037545 20130227**Family:**

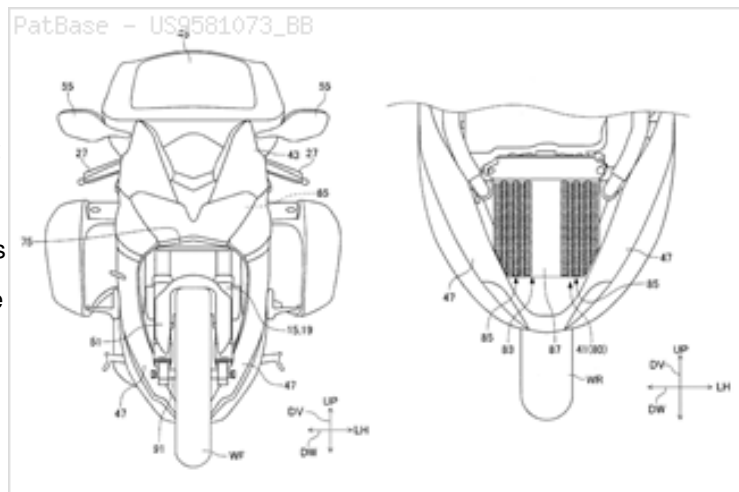
Publication number	Publication date	Application number	Application date
JP2014162437 A2	20140908	JP20130037545	20130227
US2014238635 AA	20140828	US20140174504	20140206
US9581073 BB	20170228	US20140174504	20140206

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA MOTOR CO**Inventor(s):^(std):** ITO DAICHI ; NISHIMURA MAI**Agent(s):** SHOBAYASHI MASAYUKI; WESTERMAN HATTORI DANIELS AND ADRIAN LLP**International class** [B60K11/02](#) [B60K11/04](#) [B62J15/00](#) [B62J99/00](#) [F01P11/12](#) [F01P3/18](#) (Advanced/Invention)
(IPC 8-9):**CPC:** [F01P3/18](#) [F01P11/12](#) [F01P2050/16](#)**US class:** [165/41](#)[Classification Explorer](#)

Cited documents: US5984035 A, US4685530 A, US4169501 A, US2079327 A, US2009108630 AA, US2009095553 AA, US2009001736 AA, US2008156566 AA, US2007017721 AA, US1860783 A, US1342191 A, JP7055292 Y2, JP64044228 A2, JP61059187 U1, JP61033724 U1, JP56077425 U1, JP2010173488 A2, JP2009090893 A2, JP2009067283 A2, JP2008179336 A2, JP2002284066 A2, JP10203458 A2,

Abstract:

Source: US2014238635A A radiator structure for a two-wheeled vehicle includes a radiator main body having a front surface positioned to face a running direction, and a radiator grill having a mesh part which is positioned in front of the radiator main body to cover the radiator main body. The radiator grill is positioned behind a front wheel of the two-wheeled vehicle and has a mud guard portion which fills in the mesh part in a region SWF onto which the front wheel is projected as viewed from the front.



35) Family number: 42105260 (EP1959168A2)

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Title: EXHAUST DUCT FOR A TRANSMISSION OF A STRADDLE-TYPE VEHICLE
Priority: EP20080250559 20080218 EP20110176805 20080218 JP20070038704 20070219
Family:

Publication number	Publication date	Application number	Application date
AT551558 E	20120415	AT20080250559T	20080218
BRPI0800213 A2	20120925	BR2008PI00213	20080218
CN101249859 A	20080827	CN200810007821	20080219
CN101249859 B	20120926	CN200810007821	20080219
DE602008014411 D1	20120524	DE200860014411T	20080218
DE602008039337 D1	20150910	DE200860039337T	20080218
EP1959168 A2	20080820	EP20080250559	20080218
EP1959168 A3	20110504	EP20080250559	20080218
EP1959168 B1	20120328	EP20080250559	20080218
EP2386783 A2	20111116	EP20110176805	20080218
EP2386783 A3	20120104	EP20110176805	20080218
EP2386783 B1	20150729	EP20110176805	20080218
ES2383013 T3	20120615	ES20080250559T	20080218
ES2549033 T3	20151022	ES20110176805T	20080218
JP2008201230 A2	20080904	JP20070038704	20070219
TH46343 B	20151013	TH20081000363	20080124
TH95517 A	20090430	TH20081000363	20080124
TW200920645 A	20090516	TW20080103127	20080128
TWI338653 B	20110311	TW20080103127	20080128
VN13690 A1	20150225	VN20080000224	20080125

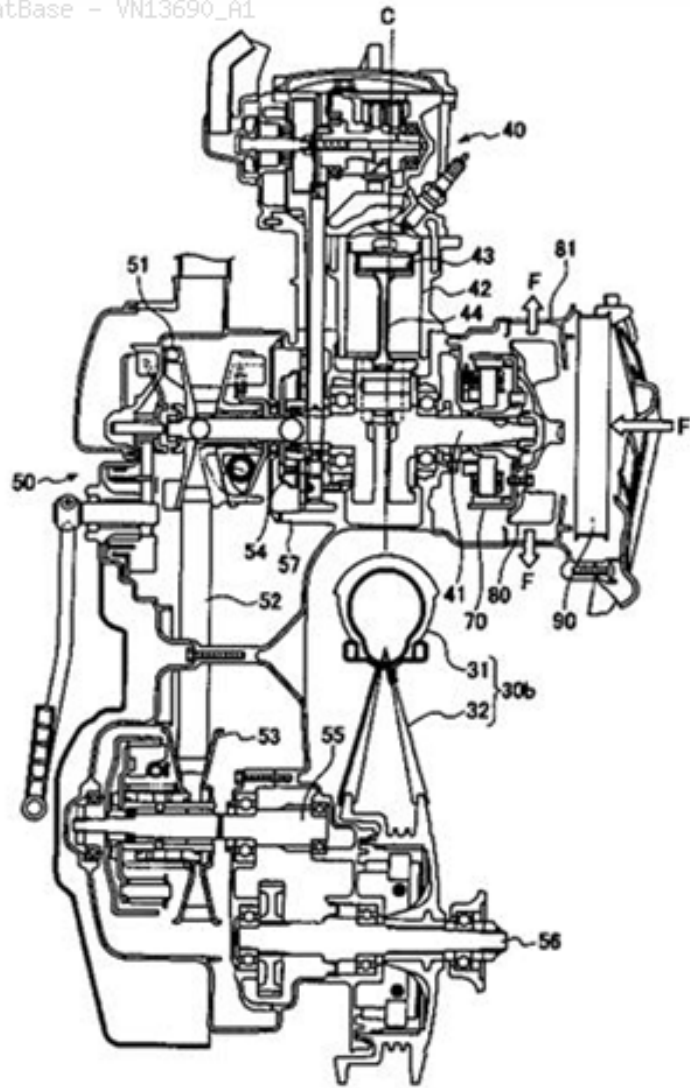
Probable Assignee: YAMAHA MOTOR CO LTD
Assignee(s):^(std): YAMAHA MOTOR CO LTD
Assignee(s): YAMAHA HATSUDOKI IWATA SHI KK ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO
Inventor(s):^(std): KAMINOKADO HIROYUKI ; KAWAKAMI SATOSHI ; YUTAKA MINE ; SATOSHI KAWAKAMI ; MINE YUTAKA ; KAMINOMON HIROYUKI ; HIROYUKI KAMINOKADO
Inventor(s): KAMINOKADO HIROYUKI SHIZUOKA KEN ; MINE YUTAKA SHIZUOKA KEN ; KAWAKAMI SATOSHI SHIZUOKA KEN
Agent(s): MARKS AND CLERK LUXEMBOURG LLP; LAMB MARTIN JOHN CARSTAIRS; MORELAND DAVID; CARPINTERO MARIO
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 MK MT NL NO PL PT RO RS SE SI SK TR
International class
 (IPC 8-9): [B60K13/02](#) [B60K17/06](#) [B62J39/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [F01P1/00](#) [F16H57/02](#) [F16H57/027](#) [F16H57/035](#) [F16H57/04](#) (Advanced/Invention);
[B60K13/02](#) [B62J99/00](#) (Core/Invention)
International class
 (IPC 1-7): [B60K13/02](#) [B62J99/00](#) [B62K3/00](#)
CPC: [F16H57/0415](#) [B62K2202/00](#) [F16H57/0489](#)
European class: [F16H57/04J4](#) [F16H57/04Z4B](#) [L62K202/00](#)
[Classification Explorer](#)
Cited documents: US4697665 A, US4463824 A, TWI290892, TWI253424, TW539059, JP60188690 U1, JP60188690 U, JP59027124 U1, JP59027124 U, JP2000079892 A2, JP2000079892 A, EP0471128 A1,

Forward Citations: JP5443500, JP5443500, JP2012033292, JP2011027445, CN102530149,

Abstract:

Source: EP1959168A2 A motorcycle (10) including a V-belt type transmission (65) is provided, in which it is possible to ensure the cooling quality for the V-belt type transmission (65) while restricting a vehicle width. Further, in case of the provision of a transmission unit provided with the V-belt type transmission (65), a motorcycle (10) is provided to enable decreasing water splashed and invading the transmission unit from an exhaust port while ensuring the exhaust efficiency for the transmission unit. An intake duct (90) comprises a first intake duct portion (91), through which air is sucked, and a second intake duct portion (92) connected to an intake port (81) provided on a transmission cover 80, the second intake duct portion (92) is bent inward in a vehicle width direction to be connected to the first intake duct portion (91), and an outer end of the first intake duct portion (91) is provided inwardly of an outer end of a cooling fan (105) in the vehicle width direction.

PatBase - VN13690_A1



36) Family number: 58464885 (US2015042064A)

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Title: VEHICLE
Priority: JP20130163820 20130807

Family:	Publication number	Publication date	Application number	Application date
	JP2015030440 A2	20150216	JP20130163820	20130807
	US2015042064 AA	20150212	US20140449502	20140801
	US9381966 BB	20160705	US20140449502	20140801

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): INOUE YOSHIHIRO ; OMAE AKIRA ; SAKAGUCHI SHIGEKI ; TOKUMURA DAISUKE ; WATANABE YUKARI

Agent(s): CARRIER BLACKMAN AND ASSOCIATES PC; JOSEPH P; JEFFREY T

International class [B62J15/00 B62J23/00 B62J9/00 B62K11/04](#) (Advanced/Invention)
 (IPC 8-9):

CPC: [B62J15/00 B62K11/04](#)

US class: [1/1 280/281.1 280/283 280/851](#)

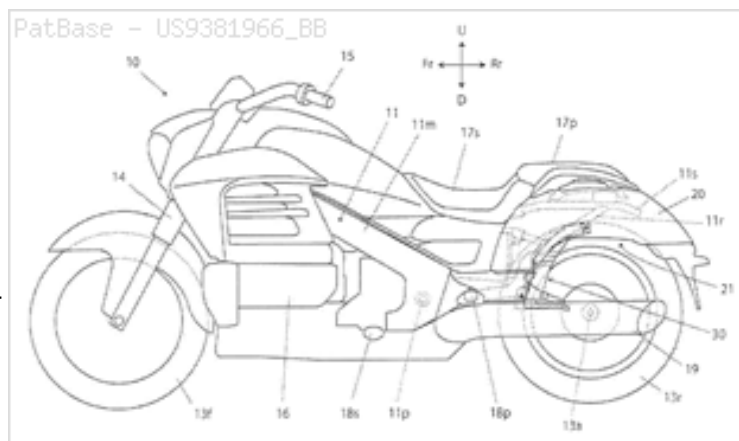
[Classification Explorer](#)

Cited documents: WO11104748 A1, US7882919 BB, US6318743 BA, US2012320612 AA, US2012285762 AA, US2012248734 AA, US2008156558 AA, US2005006169 AA, JP7035829 Y2, JP57185691 U1, JP57185691 U, JP57185690 U1, JP57185690 U, JP57185690 U, JP52086154 U1, JP52086154 U, JP52086154 U, JP5121526 B2, JP2012206536 A2, JP2012111278 A2, JP2011245972 A2, JP2008162512 A2, JP2005028981 A2, JP2001071961 A2,

Forward Citations: US9434436,

Abstract:

Source: US2015042064A A vehicle having a rear fender disposed above a rear wheel and formed of a plate member having an upward projecting shape, includes a cover member which covers a portion of a lower open part of the rear fender on a lateral side of the rear wheel. The rear fender and the cover member are provided as separate bodies to keep the moldability of the rear fender favorable. The mud-guard performance can be enhanced by covering part of the lower open part of the rear fender by the cover member. Such configuration provides a vehicle in which the mud-guard performance can be enhanced while keeping the moldability of a rear fender favorable.



37) Family number: 41518118 (EP1892165A1)

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Title: Motorcycle
Priority: JP20060225735 20060822
Family:

Publication number	Publication date	Application number	Application date
CN101131396 A	20080227	CN200710136686	20070720
CN101131396 B	20101208	CN200710136686	20070720
DE602007000714 D1	20090430	DE200760000714T	20070613
EP1892165 A1	20080227	EP20070110216	20070613
EP1892165 B1	20090318	EP20070110216	20070613
ES2323094 T3	20090706	ES20070110216T	20070613
JP2008049752 A2	20080306	JP20060225735	20060822
JP4856495 B2	20120118	JP20060225735	20060822
KR100917461 B1	20090914	KR20070074143	20070724
KR20080018097 A	20080227	KR20070074143	20070724
TW200819337 A	20080501	TW20070122667	20070623
TWI324571 B	20100511	TW20070122667	20070623

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO LTD JP ; HONDA GIKEN KOGYO K K ; HONDA MOTOR CO

Inventor(s):^(std): ARAI MICHIHITO ; TAKASHI KOBAYAKAWA ; MICHITO ARAI ; KOBAYAKAWA TAKASHI ; ARAI MICHITO

Agent(s): RUPP CHRISTIAN

Designated states: AL BA DE ES FR GB HR IT MK YU

International class
 (IPC 8-9): [B60T8/00 B60T8/17 B60T8/32 B62D65/12 B62J39/00 B62J99/00 B62K11/00 B62M7/00 B62M7/02 F01N1/00 G01P3/44 G01P3/481](#) (Advanced/Invention);
[B62K11/00 B62M7/00 F01N1/00](#) (Advanced/Non-invention);
[B60T8/00 B60T8/32 B62J99/00 B62K11/00 B62M7/00 G01P3/42](#) (Core/Invention);
[B62D65/12 F01N1/00 G01P3/44](#) (Core/Non-invention)

CPC: [B60T8/329 B62K19/30 B62K25/283 B62K2202/00](#)

European class: [B60T8/32D18 B62K19/30 B62K25/28B L62K202/00](#)

[Classification Explorer](#)

Cited documents: US4993508 A, US4993508, TW526153, JPS58139267, JP8133154 A2, JP58139267 U, JP58139267 A2, JP200646302 A, JP2006046302 A2, JP2001301675 A2, JP2001301675, JP2001165949 A2, JP2001165949, JP08133154,

Forward Citations: WO16140336, WO11033614, TWI403429, JP5292469, CN102612462,

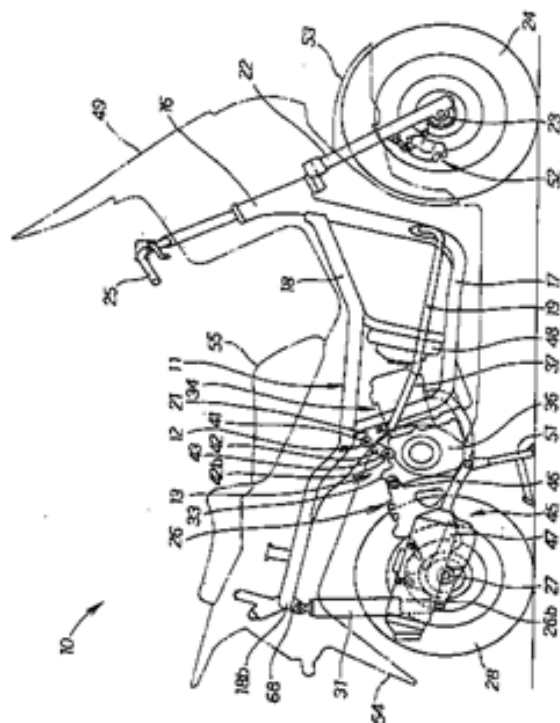
Abstract:

Source: EP1892165A1 To provide a motorcycle (10) in which the width of the vehicle can be suppressed and the influence of the heat dissipated from a muffler (47) upon a vehicle speed sensor (83) can be minimized. Disclosed herein is a motorcycle (10) including a swing arm (26), a muffler (47) provided on one side of the swing arm (26) and mounted thereto so as to be vertically moved together, a center rotor (84) mounted on a rear wheel (28) so as to be rotated together, and a vehicle speed sensor (83) mounted on the swing arm (26) for detecting a wheel speed in cooperation with the center rotor (84). The swing arm (26) has a recess (86) formed so as not to overlap the muffler (47) as viewed in side elevation of the vehicle, and the vehicle speed sensor (83) is provided in the recess (86). Further, a cover member (89) for covering the recess (86) is mounted on the swing arm (26).

1324571 - TWI324571_B

十一、圖式：

圖 1



(5)

38) Family number: 55119720 (JP2013216234A)

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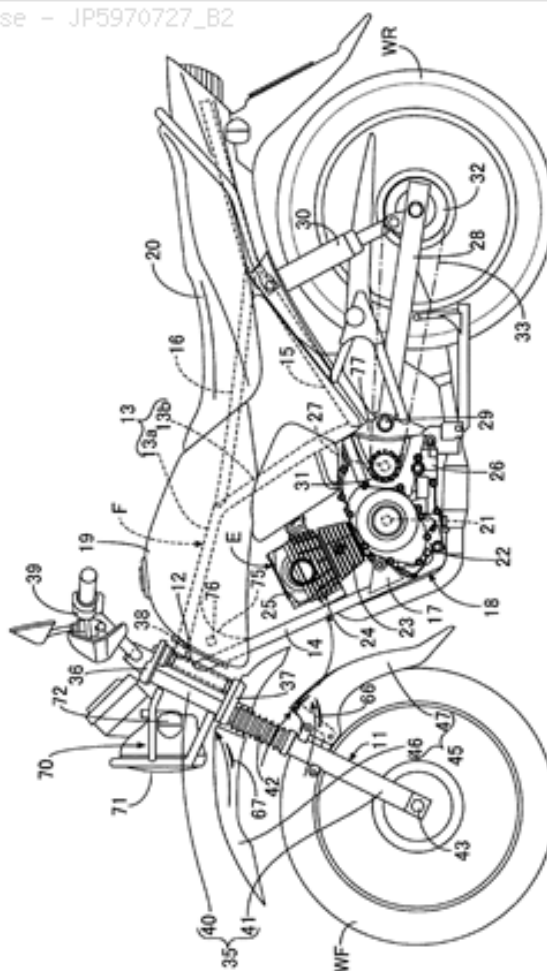
Title: FRONT FENDER STRUCTURE IN MOTORCYCLE**Priority:** JP20120089383 20120410**Family:**

Publication number	Publication date	Application number	Application date
IN01530CH2013 A	20160603	IN2013CH01530	20130404
JP2013216234 A2	20131024	JP20120089383	20120410
JP5970727 B2	20160817	JP20120089383	20120410

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std) HONDA MOTOR CO LTD**Inventor(s):**^(std) TAKAHASHI ATSUSHIKO ; TAKENAKA HIROSHI ; YOKOMURA HIKARU ; YOSHIDA NAOKI**International class** [B60J11/02](#) [B62J15/00](#) [B62J99/00](#) (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Cited documents:** JP6227507 Y2, JP62027507 Y2, JP60105582 U, JP60105582 U, JP5752382 U, JP57052382 U1, JP2006015930 A2,**Abstract:**

Source: JP2013216234A PROBLEM TO BE SOLVED: To enable effective guiding of traveling wind to an engine side after sufficiently preventing splashing of water and mud from a front wheel in a motorcycle including a front fork journaling the front wheel at a lower end portion and supported steerably at a front end portion of a vehicle body frame, and a front fender covering the front wheel from the above and including an up-fender and a down-fender disposed on a lower side of the up-fender to cover the front wheel from the above on a rear side of the front fork. SOLUTION: An up-fender 46 is formed to extend over front and rear sides of a front fork 11 and cover a front wheel WF from the above in such a manner that a rear portion of the up-fender 46 is overlapped with a front portion of a down-fender 47 in plan view. In a portion overlapped with the rear portion of the up-fender 46 in plan view, straightening plates 63, 64 and 65 are projectingly provided to guide traveling wind backward on an upper surface of the front portion of the down-fender 47.

PatBase - JP5970727_B2



39) Family number: 20567645 (GB820216A)

© PatBase

Title: Improvements in caravans
Priority: GB19560013532 19560502

Family:	Publication number	Publication date	Application number	Application date
	<u>GB820216 A</u>	19590916	GB19560013532	19560502

Probable Assignee: SURREY SIDECARS LTD

Assignee(s):^(std): ROBERT BERNARD HANSFORD ; SURREY SIDECARS LTD

Assignee(s): SURREY SIDECARS LIMITED

Inventor(s):^(std): HANSFORD ROBERT BERNARD ; SMITH GEORGE LEWIS

International class B62K27/02 (Advanced/Invention)
 (IPC 8-9):

International class B60P3/34
 (IPC 1-7):

CPC: B62K27/00 B62K27/04

European class: B62K27/00 B62K27/02 B62K27/04

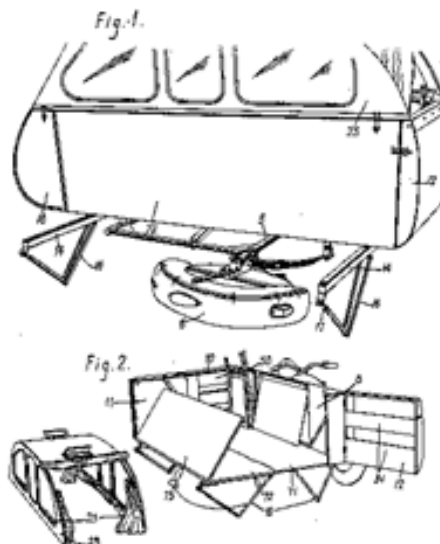
[Classification Explorer](#)

Forward Citations: GB2131753,

Abstract:

Source: GB820216A 820,216. Side-car caravans; rest bars; stub axles. SURREY SIDECARS Ltd., and HANSFORD, R. B. July 24, 1957 [May 2, 1956], No. 13532/56. Classes 108(1) and 108(2) A motor cycle side-car which may be expanded to form a caravan, comprises hinged panels 71, 72, 73 which form the side-car floor and near side but which may be unfolded to provide floor panels 71, 72 and a side panel 73, an end door 12 which may co-operate with a separate panel 13 to form a rear wall, a nose section 10 which together with a pivoted panel 11 may form the front wall, and a roof section which may be raised on telescopic rods 22. The space between the raised roof and the lower body panels is closed by unrolling canvas covers 25. In a modification the panel 73 may be pivoted down to act as a floor panel and additional awnings are provided. A cupboard and shelves and a folding table may be provided within the body panels. Rest bars. The caravan is supported on removable transverse members 14 provided with V-shaped pivoted elements 16 one of which embodies an adjusting screw 17. Movable stub axle. The wheel 6, Fig. 4, is mounted on a stub axle 64 contained in a bracket 61 pivoted about a pin 62 to the side-car chassis 5. In the travelling position the bracket 61 is held vertically by a bolt 67 passed through holes 63 and 66.

PatBase - GB820216_A



40) Family number: 61594066 (US2016031511A)

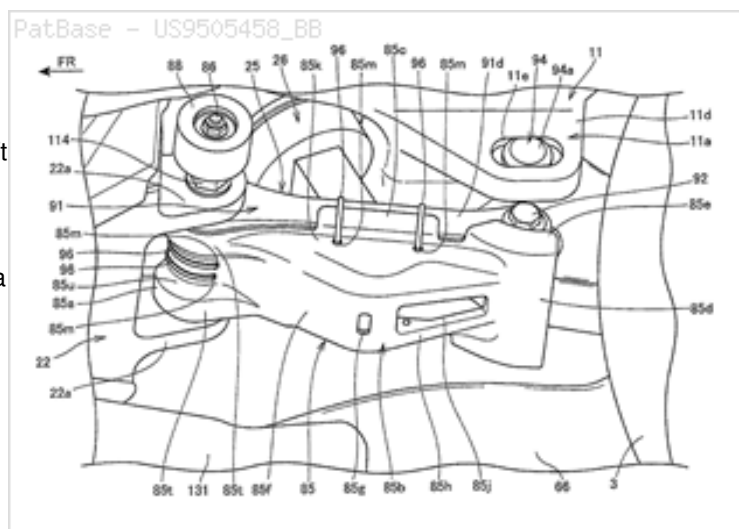
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Title: LINK MECHANISM PROTECTION STRUCTURE FOR SADDLE TYPE VEHICLE**Priority:** JP20140156940 20140731**Family:**

Publication number	Publication date	Application number	Application date
JP2016032994 A2	20160310	JP20140156940	20140731
JP6009503 B2	20161019	JP20140156940	20140731
TW201612056 A	20160401	TW20150122590	20150713
TWI564201 B	20170101	TW20150122590	20150713
US2016031511 AA	20160204	US20150800981	20150716
US9505458 BB	20161129	US20150800981	20150716

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA MOTOR CO**Inventor(s):^(std):** MORI YOTARO ; TOMURA KASHIO ; TOMURA KINEO**Agent(s):** BIRCH STEWART KOLASCH AND BIRCH LLP**International class** [B62J23/00](#) [B62K25/02](#) [B62K25/20](#) [B62K25/28](#) (Advanced/Invention)
(IPC 8-9):**CPC:** [B62J23/00](#) [B62K25/02](#) [B62K25/283](#) [B62K25/286](#)**US class:** [280/283](#)[Classification Explorer](#)**Cited documents:** US8851222 BA, US8474566 BB, US8186470 BB, US7644797 BB, US7559566 BB, US7226066 BB, US6691814 BB, US5791674 A, US5592999 A, US4673053 A, US2015076792 AA, JP62105892 A2, JP6022454 U, JP60022454 U1, JP2013193500 A2, JP2013193500,**Forward Citations:** US9487260,**Abstract:**

Source: US2016031511A A link mechanism includes a shock absorber rod pivotally supported in an upwardly and downwardly swingable manner on a body frame. A shock absorber arm is disposed between a pair of left and right rod portions constituting the shock absorber rod. A front end portion of the shock absorber arm is connected to a lower end portion of a shock absorber unit, a rear upper end portion is connected to a swing arm, and a rear lower end portion is connected to a rear end portion of the shock absorber rod. A link guard covers at least an area from a front end portion of the shock absorber rod to the front end portion of the shock absorber arm on the lower side thereof to be fixed to and to spread over the pair of left and right rod portions.



41) Family number: 42954757 (JP2009035127A)

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Title: ARRANGEMENT STRUCTURE OF FALL-DOWN SENSOR IN MOTORCYCLE

Priority: JP20070201033 20070801

Family:	Publication number	Publication date	Application number	Application date
	<u>CN101357656 A</u>	20090204	CN200810145043	20080730
	<u>CN101357656 B</u>	20110518	CN200810145043	20080730
	<u>IN01712DE2008 A</u>	20090403	IN2008DE01712	20080721
	<u>IN281536 B</u>	20170324	IN2008DE01712	20080721
	<u>JP2009035127 A2</u>	20090219	JP20070201033	20070801
	<u>JP5171149 B2</u>	20130327	JP20070201033	20070801
	<u>TH97172 A</u>	20090724	TH20081002751	20080602
	<u>VN10113 A1</u>	20120425	VN20080001243	20080526

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO K K ; HONDA MOTOR CO

Inventor(s):^(std): INOUE YUSUKE ; MAEDA YASUYUKI ; YASUYUKI MAEDA ; YUSUKE INOUE

International class
(IPC 8-9): [B62J15/00 B62J17/00 B62J17/06 B62J23/00 B62J39/00 B62J99/00 G01P15/18](#) (Advanced/Invention);
[B62J15/00 B62J17/00 B62J23/00 B62J99/00 G01P15/18](#) (Core/Invention)

International class
(IPC 1-7): [B62J015/00 B62J017/06 B62J099/00 B62J15/00 B62J17/00 B62J99/00 F02D11/10 G01P15/18](#)

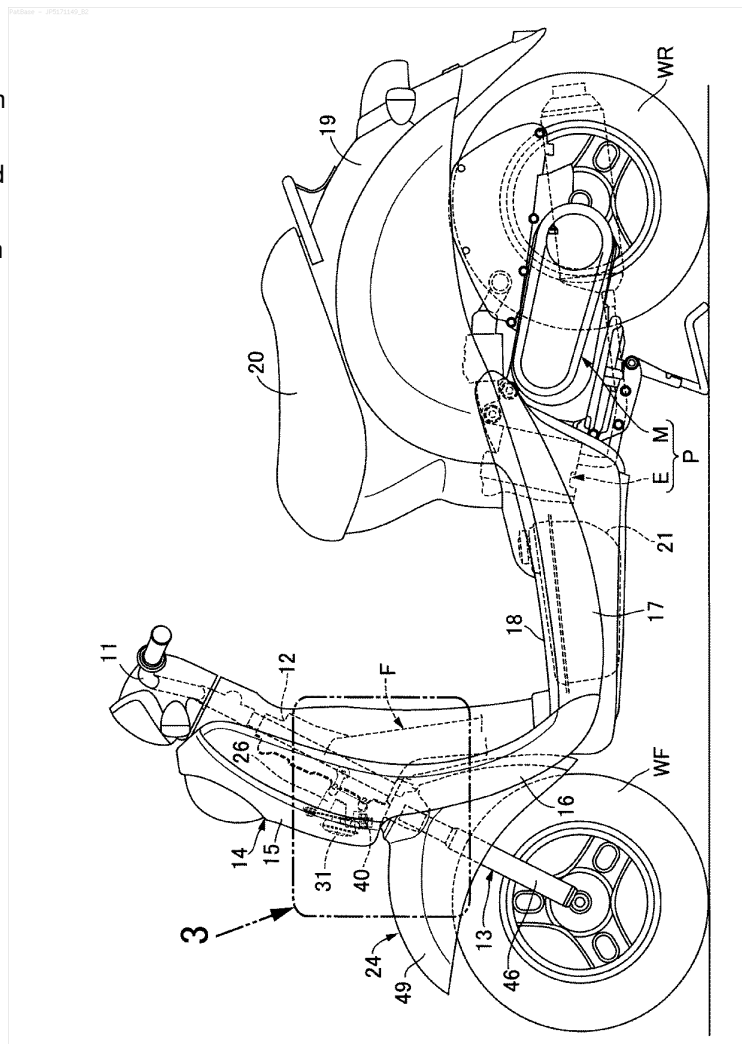
[Classification Explorer](#)

Cited documents: JP2007112312 A2, JP2007062692 A2, JP2006281918 A2, JP2004093537 A2, JP11278339 A2,

Forward Citations: JP2012091704, JP2011063195,

Abstract:

Source: JP2009035127A PROBLEM TO BE SOLVED: To make a fall-down sensor hardly receive influences of mud, water and dust from a front wheel of a motorcycle in which a front fork supporting the front wheel covered with a splash guard member from above is supported so as to be freely steerable by a head pipe at the front end of a vehicle body frame, and the circumference of the head pipe is covered with a vehicle body cover. SOLUTION: The fall-down sensor 40 is arranged in the vehicle body cover 14 above the splash guard member 24 and forward of the head pipe 12.



42) Family number: 10008538 (US5513721A)

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Title: COVER STRUCTURE AND BATTERY STORING CASE STRUCTURE FOR AN ELECTRIC VEHICLE**Priority:** JP19930261337 19931019**Family:**

Publication number	Publication date	Application number	Application date
CN1043565 C	19990609	CN19941017311	19941018
CN1104156 A	19950628	CN19941017311	19941018
DE69410385 D1	19980625	DE19946010385	19941010
DE69410385 T2	19980917	DE19946010385T	19941010
EP0648633 A1	19950419	EP19940115975	19941010
EP0648633 B1	19980520	EP19940115975	19941010
ES2116498 T3	19980716	ES19940115975T	19941010
JP3412701 B2	20030603	JP19930261337	19931019
JP7112618 A2	19950502	JP19930261337	19931019
TH15510 B	20030909	TH19941002251	19941018
TH20996 A	19961008	TH19941002251	19941018
TW246660 B	19950501	TW19940102241	19940315
US5513721 A	19960507	US19940325877	19941019

Probable Assignee: HONDA GIKEN KOGYO KK**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO K K TOKIO TOKYO JP ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK**Inventor(s):**^(std): NIIMURA HIROYUKI ; OGAWA MASAO ; OGAWA MASAO C O KABUSHIKI KAIS ; SAKO HIROYUKI ; SAKO HIROYUKI C O KABUSHIKI KA ; SHIMMURA HIROYUKI C O KABUSHIK ; SHIMMURA HIROYUKI**Inventor(s):** SHIMMURA HIROYUKI C O HOND WAKO SHI SAITAMA JP KK ; SHIMMURA HIROYUKI C O HONDA KK ; SHIMMURA HIROYUKI C O KABUSHIKI KAISHA HOND WAKO S ; SHIMMURA HIROYUKI C O KABUSHIKI KAISHA HOND... ; SHIMMURA HIROYUKI C O KABUSHIKI KAISHA HONDA ; SAKO HIROYUKI C O KABUSHIKI KAISHA HOND WAKO SHI S ; SAKO HIROYUKI C O KABUSHIKI KAISHA HOND WAKO... ; SAKO HIROYUKI C O KABUSHIKI KAISHA HONDA ; SAKO HIROYUKI C O HOND WAKO SHI SAITAMA JP KK ; SAKO HIROYUKI C O HONDA KK ; HIROYUKI SAKO ; HIROYUKI SHIMMURA ; MASAO OGAWA ; OGAWA MASAO C O KABUSHIKI KAISHA HONDA ; OGAWA MASAO C O KABUSHIKI KAISHA HONDA WAKO SHI SA ; OGAWA MASAO C O KABUSHIKI KAISHA HONDA WAKO... ; OGAWA MASAO C O HONDA KK ; OGAWA MASAO C O HONDA WAKO SHI SAITAMA JP KK**Agent(s):** KOYAMA YUU**Designated states:** DE ES FR IT**International class**
(IPC 8-9): [B60K1/04](#) [B62J23/00](#) [B62J9/00](#) [B62K19/46](#) [B62M23/02](#) [B62M7/00](#) [B62M7/12](#) [G06F9/48](#)
[H01M2/10](#) (Advanced/Invention);
[B60K1/04](#) [B62J23/00](#) [B62J9/00](#) [B62K19/00](#) [B62M23/02](#) [B62M7/00](#) [G06F9/46](#)
[H01M2/10](#) (Core/Invention)**International class**
(IPC 1-7): [B60K1/04](#) [B62J11/00](#) [B62J11/00](#) [B62J23/00](#) [B62J9/00](#) [B62K19/40](#) [B62K19/46](#) [B62M23/00](#) [B62M23/00](#) [H01M2/10](#)**CPC:** [B60Y2200/12](#) [B62M7/12](#) [B60K1/04](#) [B60Y2200/126](#) [B62K19/46](#) [B62K2202/00](#) [B62K2204/00](#)**European class:** [B62K19/46](#) [B62M23/02B](#) [B62M7/00](#) [B62M7/12](#) [L60K1/04](#) [L60Y200/126](#) [L62K202/00](#) [L62K204/00](#)**US class:** [180/220](#) [180/68.5](#)[Classification Explorer](#)

Forward Citations: WO9929563, US9468571, US9434244, US9272636, US9193410, US9108527, US8616309, US7775311, US7255191, US7117966, US6814172, US6357542, US6339916, US6326765, US6176338, US6109009, US6085854, US6065557, US6047786, US5934053, US5620057, US2015246622, US2014374183, US2014083783, US20131661108, US2012103714, US2011266079, US2011083914, US2005092538, US2004031632, TWI300039, JP2012084313, JP2011246021, EP0741060,

Source: US5513721A A cover structure to improve a waterproof performance of a front surface of a battery storing case in an electric vehicle wherein subcovers are provided between a front fender covering a front wheel and a front surface of a battery storing case. In addition, a gap formed between the subcovers and the fender or the front surface of the battery storing case is formed like a maze so as to stop an upward flow of muddy water.



0) US2006065457A – STRADDLE TYPE VEHICLE

43) Family number: 32761736 (US2006065457A)

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Title: STRADDLE TYPE VEHICLE

Priority: JP20040277464 20040924

Family:	Publication number	Publication date	Application number	Application date
	CN100548783 C	20091014	CN200510107532	20050926
	CN1751958 A	20060329	CN200510107532	20050926
	JP2006088895 A2	20060406	JP20040277464	20040924
	TH32445 B	20120410	TH20051004444	20050922
	TH80820 A	20061031	TH20051004444	20050922
	US2006065457 AA	20060330	US20050234821	20050923
	US7353903 BB	20080408	US20050234821	20050923
	VN7016 A1	20080526	VN20050001247	20050909

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO

Inventor(s):^(std): GEN MIYABE TOSHIMASA NODA MASA ; GEN OHZONO ; MASAHIRO NODA ; MIYABE TOSHIMASA ; NODA MASAHIRO ; OHZONO GEN ; OSONO HAJIME ; TOSHIMASA MIYABE

Inventor(s): MIYABE TOSHIMASA NODA MASAHIRO OHZONO GEN

Agent(s): HOGAN AND HARTSON LLP

International class
(IPC 8-9): [B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [F02M35/02](#) (Advanced/Invention);
[B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [F02M35/02](#) (Core/Invention)

International class
(IPC 1-7): [B62K11/00](#)

CPC: [Y02T10/146](#) [F02M35/162](#) [B62K11/04](#) [B62K19/30](#) [B62K2202/00](#) [F02M35/0203](#)
[F02M35/024](#) [F02M35/04](#) [F02M35/10262](#)

European class: [B62K11/04](#) [B62K19/30](#) [F02M35/024](#) [F02M35/02H2C](#) [F02M35/04](#) [F02M35/10K6](#)
[F02M35/16C](#) [L62K202/00](#)

US class: [123/198.00E](#) [123/198.00ES](#) [123/198E](#) [180/218](#) [180/219](#) [180/220](#)

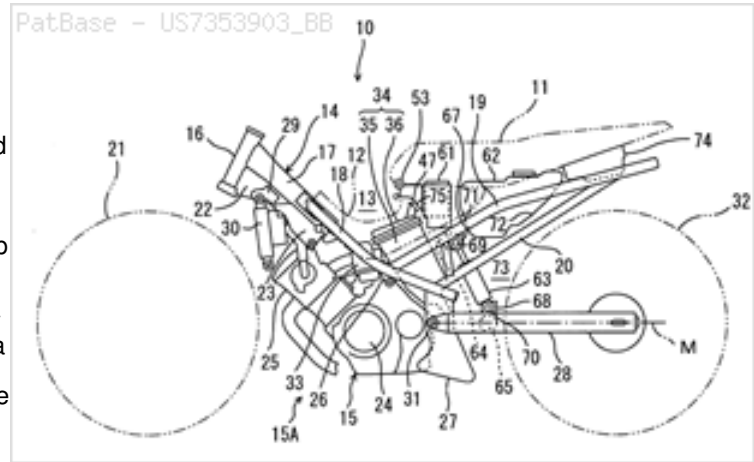
[Classification Explorer](#)

Cited documents: WO03001048 A1, US6615945 BB, US6547024 BB, US6349785 BA, JP2002037170 A2,

Forward Citations: US8991533, US8302722, US8146699, US8105406, US7967316, US7712564, US7594558, US2012145470, US2011232982, US2010222948, US2010133033, US2009242305, US2009090090, US2008179151, US2008083577, US2007023216, TWI435822, TWI352775, JP2011058455, JP2011057131, JP2010167796, EP3075589, EP2974948, EP2669502, EP2610476, EP2472094, CN102597482, CN102597482, AU2010288005,

Abstract:

Source: US2006065457A An air cleaner is prevented from sucking mud etc., while a relatively large space is ensured in front of a seat, in an under bone type straddle type vehicle which has an area recessed downward in front of the seat. An air cleaner is disposed in the rear of a cylinder block of an engine. The air cleaner includes a cleaner case that is taller than it is broad and a lid that covers a top of the cleaner case. An intake pipe is positioned at a rear side of the lid. The intake pipe is disposed within a space surrounded by the seat and a forward descending portion of a seat front cover, and opens obliquely upward rearward. A labyrinth structure is formed above the intake pipe for preventing drops of water from entering the intake pipe from the seat.



44) Family number: 52617063 (CN202608957U)

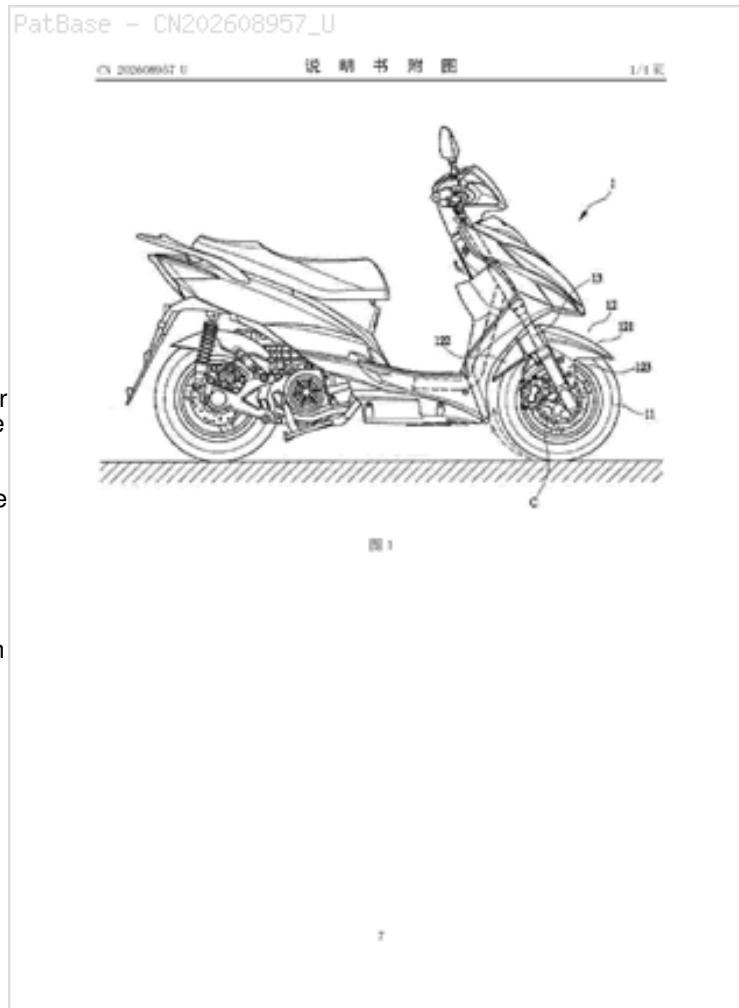
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Title: FIXING STRUCTURE OF MOTORCYCLE FRONT FENDER**Priority:** CN201220230551U 20120522**Family:**

Publication number	Publication date	Application number	Application date
<u>CN202608957 U</u>	20121219	CN201220230551U	20120522

Probable Assignee: KWANG YANG MOTOR CO**Assignee(s):^(std):** KWANG YANG IND CO LTD ; KWANG YANG MOTOR CO**Assignee(s):** KWANG YANG MOTOR CO LTD**Inventor(s):^(std):** DING XINZHI**International class** B62J15/00 B62J15/02 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Abstract:**

Source: CN202608957U The utility model relates to a fixing structure of a motorcycle front fender. A motorcycle is provided with a motorcycle frame. A front fork penetrates through a head tube of the motorcycle frame. The front fork is connected with a steering handle, and is provided with a front shock absorber. The lower end of the front shock absorber is provided with a wheel shaft support seat. The wheel shaft support seat is provided with a wheel fixing portion, a front disc brake system fixing portion and a front fender fixing portion. The wheel fixing portion is used for fixing of a wheel shaft of a front wheel, the front fender fixing portion is used for fixing of a front fender, and the front disc brake system fixing portion is used for fixing of a caliper support seat of a front disc brake system. The front fender is arranged above the front wheel, and is divided into a front section portion and a back section portion by the front shock absorber, wherein the front section portion of the front fender is provided with a connection portion, and the connection portion is connected with the front fender fixing portion of the wheel shaft support seat. The fixing structure of the motorcycle front fender is characterized in that a braking caliper is connected with a caliper support plate, the caliper support plate is provided with a lock hole, and the back section portion of the front fender is a connection hole corresponding to the lock hole of the caliper support plate. The back section portion of the front fender can be fixed on the lock hole of the caliper support plate through the connection hole in a locking mode, and accordingly the back section portion of the front fender can be connected with the caliper support plate; the back section portion of the front fender extends downwards to cover the center of the front wheel; the back section portion of the front fender can effectively obstruct mud and sand rolled up by the front wheel and can prevent ground water from splashing to other components of the motorcycle; and therefore using effect of the front fender is improved.



45) Family number: 50976661 (CN202180879U)

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Title: Mud guard of motorcycle
Priority: CN201120233974U 20110705

Family:	Publication number	Publication date	Application number	Application date
	<u>CN202180879 U</u>	20120404	CN201120233974U	20110705

Probable Assignee: TIANCAI YE

Assignee(s):^(std): TIANCAI YE

Assignee(s): YE TIANCAI

Inventor(s):^(std): TIANCAI YE

Inventor(s): YE TIANCAI

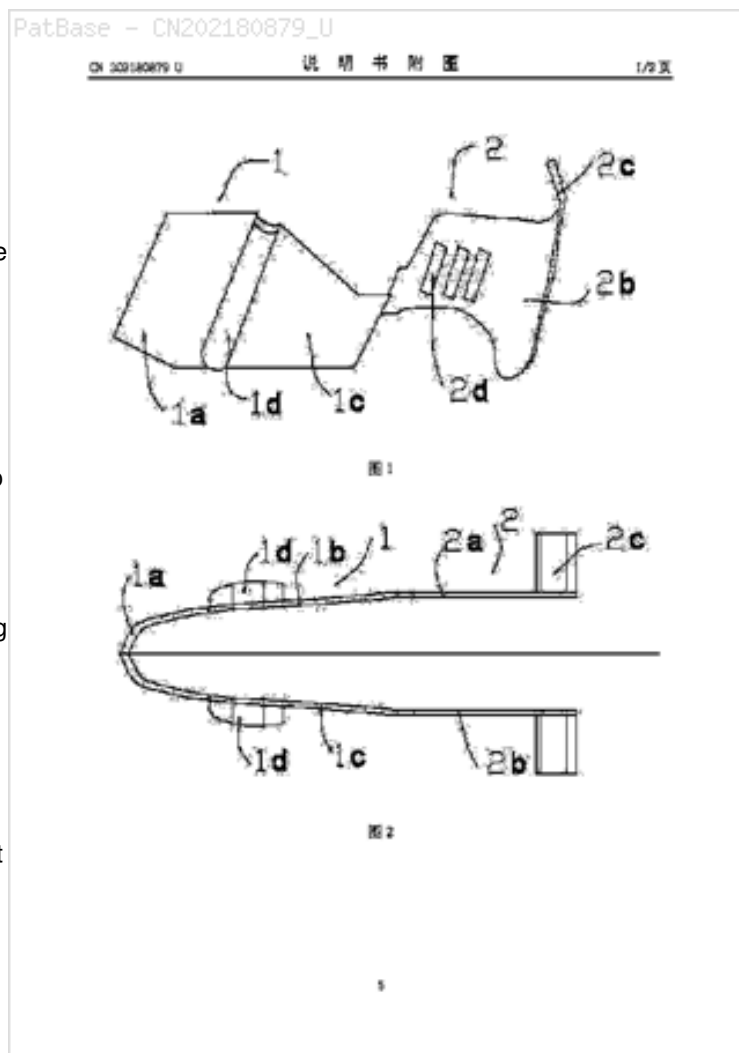
International class B62J15/04 (Advanced/Invention)
 (IPC 8-9).

[Classification Explorer](#)

Forward Citations: TWI541160,

Abstract:

Source: CN202180879U The utility model discloses a mud guard of a motorcycle, which comprises a rear portion mud guard and a front portion mud guard, wherein the rear portion mud guard is formed by a rear wheel mud guard in an arc-shaped structure, a rear left portion mud guard and a rear right mud guard. The rear wheel mud guard is installed at the back of a motorcycle rear wheel, and the rear left portion mud guard and the rear right mud guard are installed on the left side and the right side of the rear portion of the motorcycle. The rear left portion mud guard and the rear right mud guard are respectively provided with an arc-shaped cavity which is located on the portion corresponding to the installing position of a shock absorber and adapted to the shape of the shock absorber so as to cover the surface of the shock absorber conveniently. The front portion mud guard is formed by a front left portion mud guard and a front right portion mud guard which are installed on the left side and the right side of the front portion of the motorcycle. When being installed, the front left portion mud guard and the front right portion mud guard are both located above a motorcycle engine. The front end of the front left portion mud guard and the front end of the front right portion mud guard are fixed with a motorcycle bumper. The mud guard enables important positions of the motorcycle, a driver and riders to be protected from splashed muddy water, and has excellent mud blocking effect.



0) JP2011121510A – REAR LAMP OF MOTORCYCLE

46) Family number: 49107549 (JP2011121510A)

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Title: REAR LAMP OF MOTORCYCLE

Priority: JP20090281762 20091211

Family:	Publication number	Publication date	Application number	Application date
	AR079317 AA	20120118	AR2010P104516	20101207
	BRPI1005600 A2	20130402	BR2010PI05600	20101209
	CN102095147 A	20110615	CN201010582756	20101206
	CN102095147 B	20130807	CN201010582756	20101206
	CO6290092 A1	20110620	CO20100154348	20101207
	IN02663DE2010 A	20131004	IN2010DE02663	20101108
	JP2011121510 A2	20110623	JP20090281762	20091211
	JP5174797 B2	20130403	JP20090281762	20091211
	PE05242011 A1	20110716	PE20100001119	20101207

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSIKI KAISHA ; HONDA MOTOR CO

Inventor(s):^(std): CHIIHIKO SASAKI ; KOJI OKAMOTO ; MIYAMOTO SHIRO ; OKAMOTO KOJI ; SASAKI CHIIHIKO ; SASAKI TOMOHIKO ; SHIRO MIYAMOTO ; YAMAGUCHI TAKAFUMI ; YAMAGUCHI YOSHIFUMI ; YOSHIFUMI YAMAGUCHI

Inventor(s): TAKAFUMI YAMAGUCHI ; TOMOHIKO SASAKI

Agent(s): JAIME EDUARDO DELGADO VILLEGAS

International class
(IPC 8-9): [B62J B62J6/00 B62J6/04 F21S8/10 F21V5/04](#) (Advanced/Invention);
[F21W101/14 F21Y101/02](#) (Advanced/Non-Invention)

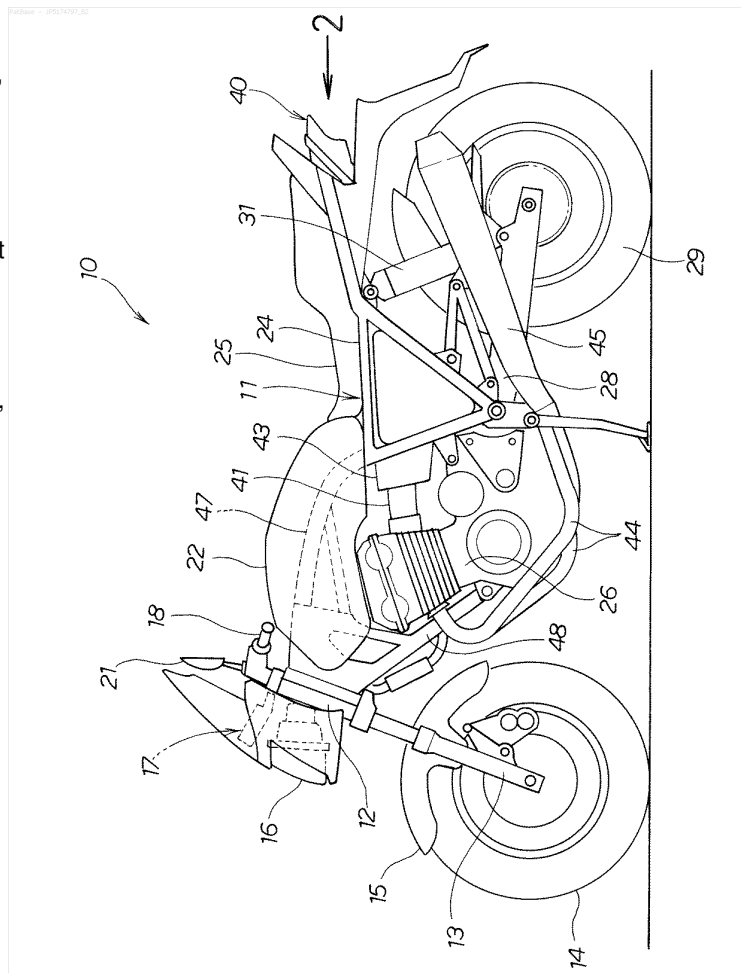
International class
(IPC 1-7): [F21S8/10](#)

[Classification Explorer](#)

Cited documents: US5658072 A, JPS63116301, JP8124407 A2, JP63116301 A2, JP63116301, JP6031003 U1, JP2006222029 A2, JP2006222029, JP2006131084 A2, JP2006131084, JP2003229005 A2, JP2003229005, JP2003187611 A2, JP0631003 U, CN1760077 A, CN1191820 A,

Abstract:

Source: JP2011121510A PROBLEM TO BE SOLVED: To provide a miniaturized rear lamp, while securing visibility. SOLUTION: This rear lamp 40 of a motorcycle is arranged in a rear part of a vehicle, and is provided for performing the tail lamp function of turning on by switch operation and the stop lamp function of turning on in braking by a common light source 50, and is characterized in that the light from the light source 50 is refracted by a lens 75, and this lens 75 is formed by applying a lens cut different between an upper part 55 and a lower part 53 so that any one of the upper part 55 and the lower part 53 is visible lighter than the other. Since the cut is different, any one of the upper part 55 and the lower part 53 is visible lighter than the other. By dividing lightness–darkness, the rear lamp 40 can be made conspicuous, and high visibility can be provided. The common light source 50 is used for the tail lamp function and the stop lamp function. The rear lamp can be miniaturized more than when separating these light sources 50.



0) JP3061190A – MOTORCYCLE

47) Family number: 5656455 (JP3061190A)

© PatBase

Title: MOTORCYCLE
Priority: JP19890198275 19890731

Family:	Publication number	Publication date	Application number	Application date
	ES2025457 AF	19920316	ES19900002068	19900731
	IT1242510 B	19940516	IT19900021125	19900730
	IT9021125 A0	19900730	IT19900021125	19900730
	IT9021125 A1	19910201	IT19900021125	19900730
	JP3061190 A2	19910315	JP19890198275	19890731
	KR0184666 B1	19990415	KR19900011580	19900730

Probable Assignee: HONDA MOTOR CO LTD

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

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

Inventor(s):^(std): KODAMA MAKOTO ; MIZUTA KOJI ; MIZUTA KOUJI ; NAKAMURA MUNEHITO ; NAKAMURA MUNEKIMI ; UCHIDA MASAMICHI ; YAGINUMA KOJI ; YAGINUMA KOUJI ; YUKI JUNJI ; YUUKI JUNJI

International class
^(IPC 8-9): [B62J17/00](#) [B62J23/00](#) [B62K19/00](#) (Advanced/Invention);
[B62J17/00](#) [B62J23/00](#) [B62K19/00](#) (Core/Invention);
[B62D](#) (Subclass/Invention)

International class
^(IPC 1-7): [B62D](#) [B62J17/0](#) [B62J23/0](#) [B62K19/00](#)

[Classification Explorer](#)

Forward Citations: US7510229, JP2009091732,

Source: JP3061190A PURPOSE: To enhance appearance and to prevent soiling of part in a motorcycle having a vehicle side cover by extending the lower cover for covering a rear-wheel supporting member in the longitudinal direction integrally with a vehicle cover, so that the space between the vehicle cover and the rear wheel can be covered.

轉國學 2-01140(5)

无刺毒。

● 證明公理 3

以上點明其意旨所在。其要旨的意謂：「無非以爲此際，當由卡爾斯之賢望以舉世諸國之變局而爲之妥當解決。然此等解決卡爾斯之政策與諸國利益相背，卡爾斯志在破壞歐洲經濟之連繫，以謀其經濟之擴張而爲其海陸交通之障礙也。此種政策之所以一而爲二者，其原因則在卡爾斯志在破壞歐洲之統一，而欲使歐洲之經濟與政治之連繫，均爲其所破壞也。而猶使卡爾斯志在破壞之者，則實由於卡爾斯之經濟之擴張而欲使歐洲之經濟與政治之連繫，均爲其所破壞也。」

また、投資標準が1000万日元以下とすると韓国経済の輸出依存、および商品輸出額と韓米貿易比率は高くなる。韓国貿易の下落を意味する輸出依存率の急増は韓国と中国との貿易、および米韓貿易の急増、その結果韓国貿易の下落の韓国貿易の回復に寄与するといえる。韓国が一旦以上の条件を解除すると、貿易の下落は急激に回復する。

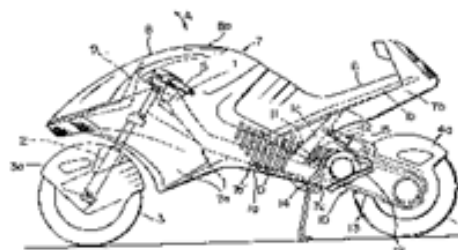
4. 共同作業の形態

第三、關於日本對華經濟援助的動機，與美國援助的動機有所不同。日本向中國提供經濟援助，其目的在於恢復中國經濟，使中國早日實現工業化，從而使中國成為日本在亞洲的經濟競爭對手。而美國援助中國，其目的在於使中國成為美國在亞洲的經濟競爭對手。因此，日本對華經濟援助的動機，與美國援助的動機，是截然不同的。

[illegible]

馬國光 謝國銘 謝國銘 謝國銘 謝國銘

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48) Family number: 33074654 (US2006124379A)

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Title: SYSTEM FOR ACCESSING AN AIR BOX IN A STRADDLE TYPE VEHICLE**Priority:** JP20040338066 20041122

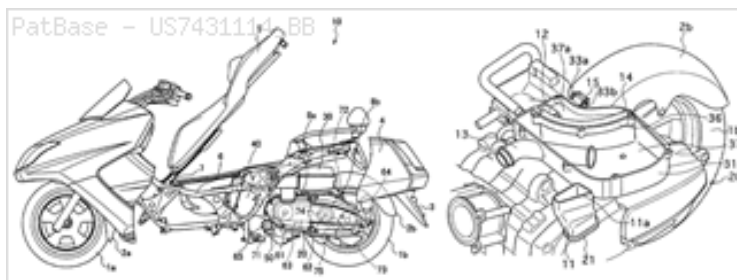
Family:	Publication number	Publication date	Application number	Application date
	<u>JP2006143082 A2</u>	20060608	JP20040338066	20041122
	<u>US2006124379 AA</u>	20060615	US20050284793	20051122
	<u>US7431114 BB</u>	20081007	US20050284793	20051122

Probable Assignee: YAMAHA HATSUDOKI KK**Assignee(s):^(std):** MATSUSAKA SHIGERU ; MINE YUTAKA ; OHIRA MASARU ; YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK**Inventor(s):^(std):** MATSUSAKA SHIGERU ; MATSUZAKA SHIGERU ; MINE YUTAKA ; OHIRA MASARU**Agent(s):** MIYOSHI HIDEKAZU; KNOBBE MARTENS OLSON AND BEAR LLP

International class B60K7/00 B62J15/00 B62J99/00 F02M35/02 F02M35/16 (Advanced/Invention);
 (IPC 8-9): B60K7/00 B62J15/00 B62J99/00 F02M35/00 F02M35/02 (Core/Invention)

CPC: B62K19/46 B62K2202/00 F02M35/0203 F02M35/024 F02M35/10039 F02M35/10052 F02M35/162**European class:** B62K19/46 F02M35/024 F02M35/02H2C F02M35/10A6D F02M35/10A6S F02M35/16C L62K202/00**US class:** 123/198.00ES 123/198E 180/219 180/292 180/68.3[Classification Explorer](#)**Cited documents:** US6892842 BB, US6776250 BB, US6732830 BB, US6626260 BB, US6615945 BB, JP59077924 A2,**Forward Citations:** US9347406, US8905419, US7861815, US7744260, US7674023, US2015034405, US2014063825, US2009166115, US2009071741, EP2949564, EP2610155, EP2527179, EP2009273, CN103423040, CN103182929,**Abstract:**

Source: US2006124379A A system is provided that permits access to an air box in a straddle type vehicle (e.g., a motor scooter). The system comprises a movable seat that is capable of rotating such that a user can access the air box disposed at least partially beneath the seat. The air box comprise an air cleaner that has an air filter capable of being detached and pulled at least partially through an opening in an upper portion of the air cleaner. As a result, the air filter can be removed easily in order to be cleaned or replaced. The system can also include a fender which is capable of rotating about a generally horizontal axis.



0) JP2011031750A – SCOOTER TYPE VEHICLE

49) Family number: 48354769 (JP2011031750A)

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Title: SCOOTER TYPE VEHICLE

Priority: JP20090180163 20090731

Family:	Publication number	Publication date	Application number	Application date
	CN101987641 A	20110323	CN201010237011	20100721
	CN101987641 B	20140625	CN201010237011	20100721
	IN02119CH2010 A	20110225	IN2010CH02119	20100726
	JP2011031750 A2	20110217	JP20090180163	20090731
	JP5466452 B2	20140409	JP20090180163	20090731

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): FUKUMA GO ; FUKUMA TAKESHI ; GO FUKUMA ; SAKANE YASUKI ; YASUKI SAKANE

Inventor(s): SAKANE TAIKI

International class
(IPC 8-9): [B62H1/02](#) [B62J15/00](#) [B62J23/00](#) [B62J37/00](#) [B62J99/00](#) (Advanced/Invention);
[B62J25/00](#) (Advanced/Non-invention)

International class
(IPC 1-7): [B62J15/00](#)

[Classification Explorer](#)

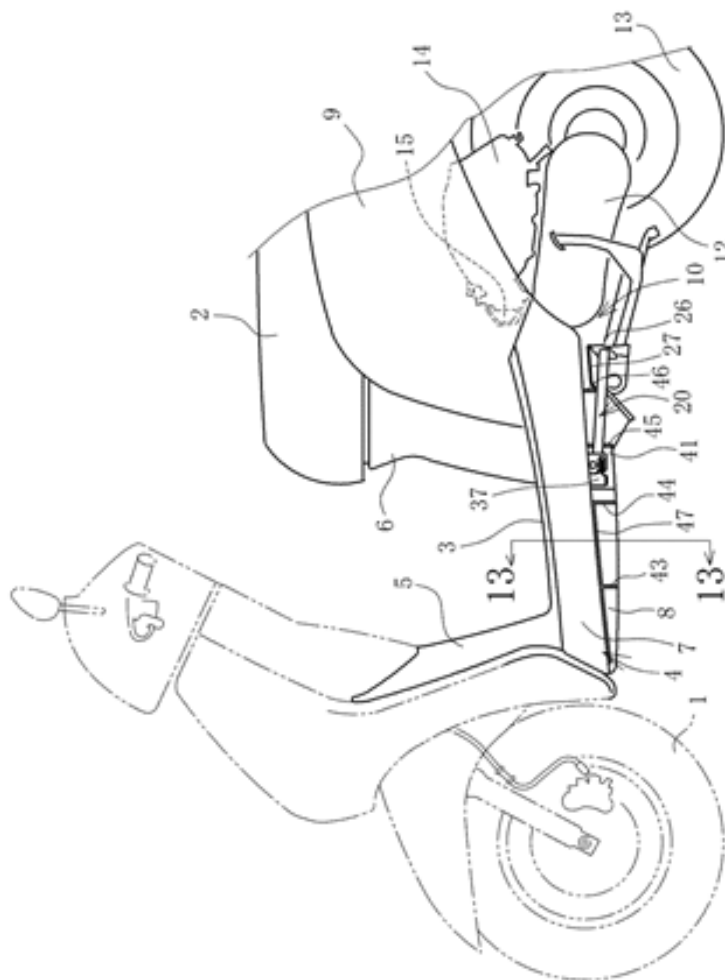
Cited documents: JP60240581 A2, JP59169285 U1, JP59109475 A2, JP2246887 A2, JP2009006964 A2, JP2003341573 A2, JP10007056 A2, CN1756691 A, CN1607324 A, CN1460621 A, CN1405048 A, CN101468683 A,

Forward Citations: CN102785729, CN102785729, CN102530142, CN102530142,

Abstract:

Source: JP2011031750A PROBLEM TO BE SOLVED: To allow water splashed up by a front wheel to be hardly splashed on an air cleaner in a scooter type vehicle. SOLUTION: In the scooter type vehicle, a step floor 3 for resting feet of a rider thereon is provided between a front wheel 1 and a seat 2, a part below the step floor 3 is covered by an under-floor cover 4, the under-floor cover 4 is constituted of a floor side cover 7 and an under-cover 8 having a substantially U-shaped cross section, and an intake 15 of an air cleaner 14 is located above and behind the step floor 3. Vehicle-width-direction water drip ribs (43-46) projecting outwardly in the vehicle width direction from the under-floor cover and extending in the vertical direction are arranged in front of the air cleaner 14, and a longitudinal rib 47 is provided along a joining part 48 of a floor-side cover 7 with the under-cover 8 to suppress ingress of the water splashed up by the front wheel 1 in the intake 15 traveling the under-floor cover 4.

PatBase - JP5466452_B2



50) Family number: 9969309 (JP5085438A)

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Title: FRONT WHEEL CHAIN COVER AND MUD GUARD DEVICE FOR FRONT AND REAR WHEEL-DRIVEN MOTORCYCLE**Priority:** JP19910276178 19910930

Family:	Publication number	Publication date	Application number	Application date
	JP5085438 A2	19930406	JP19910276178	19910930

Probable Assignee: SUZUKI MOTOR CO**Assignee(s):**^(std): SUZUKI MOTOR CO**Assignee(s):** SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA**Inventor(s):**^(std): MURAMATSU AKIHIKO ; SAWARA SHINICHI ; YAMAUCHI KOSAKU

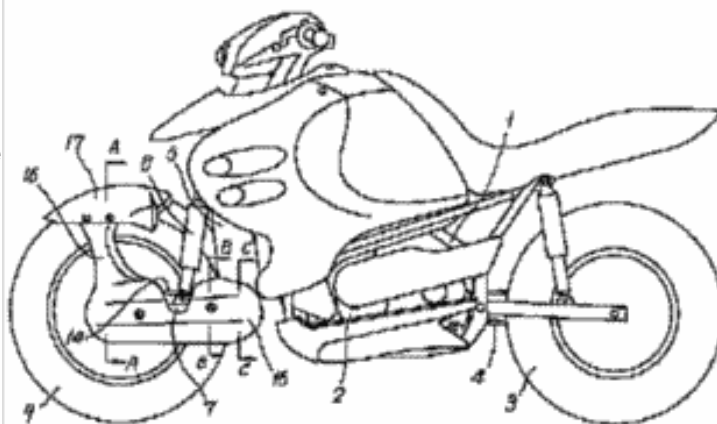
International class B62J13/04 B62J15/00 B62M17/00 (Advanced/Invention);
 (IPC 8-9): B62J13/00 B62J15/00 B62M17/00 (Core/Invention)

International class B62J13/04 B62J15/00 B62M17/00
 (IPC 1-7):

[Classification Explorer](#)**Forward Citations:** US9043067, US8973690, US8761984, US2012080249,**Abstract:**

Source: JP5085438A PURPOSE: To provide a front wheel chain cover and a mud guard device for front and rear wheel-driven motor cycle by installing a chain cover for chain for driving a front wheel onto a link of a bottom link type front fork and, using the chain cover, installing a mud guard for the front wheel near the front wheel to downsize and reduce the weight of the mud guard. CONSTITUTION: A third chain 14 for a front wheel 9 is provided tensely along a link 7 on one side of bottom link type front forks 5, and the third chain 14 is covered by a chain cover 15 fixed to the link 7 on one side. An arm 16 projected upward is provided at the front of the chain cover 15, and the front section of a mud guard 17 for the front wheel 9 is connected to the top end of the arm 16.

PatBase - JP5085438_A2



51) Family number: 15594594 (US6337129B)

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Title: ANTIFOULING MEMBER AND ANTIFOULING COATING COMPOSITION

Priority:

EP19970924296	19970602	EP19970924296	19971204	JP19960299443	19961023
JP19960175386	19960531	JP19960287225	19960924	EP20090009679	19970602
JP19960299676	19961024	JP19960299679	19961024	JP19960299445	19961023
JP19960301042	19961025	JP19960299444	19961023	JP19960299447	19961023
JP19960299446	19961023	JP19960299678	19961024	JP19960303613	19961029
JP19960306998	19961101	JP19960301044	19961025	JP19960335175	19961129
JP19960303611	19961029	JP19960311415	19961107	JP19960323515	19961119
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JP19960344586	19961209	JP19960354953	19961221	JP19960346741	19961210
JP20000222920	20000724	WO1997JP01872	19970602	JP19970542043	19970602
JP19970542043	19970602				

Family:

Publication number	Publication date	Application number	Application date
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<u>AU199729777 A1</u>	19980105	AU19970029777	19970602
<u>CA2256895 AA</u>	19981126	CA19972256895	19970602
<u>CN1171966 C</u>	20041020	CN19971096953	19970602
<u>CN1226918 A</u>	19990825	CN19971096953	19970602
<u>CN1303173 C</u>	20070307	CN200410057892	19970602
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Probable Assignee: TOTO LTD

Assignee(s):^(std): HAYAKAWA MAKOTO ; MACHIDA MITSUYOSHI ; TOTO LTD ; WATANABE TOSHIYA

Assignee(s): TOTO LTD KITAKYUSHU SHI

Inventor(s):^(std): WATANABE TOSHIYA ; WATANABE TOSHIYA ; TOSHIYA WATANABE ; TOSHIYA WATABE ; MITSUYOSHI MACHIDA ; MATSUYUSHI MACHIDA ; MAKOTO HAYAKAWA ; MACHIDA MITSUYOSHI ; HAYAKAWA MAKOTO ; MACHIDA MATSUYUSHI ; WATABE TOSHIYA ; MITSUYOSHI WATABE TOSHIYA HAYA

Inventor(s): HAYAKAWA MAKOTO TOTO LTD ; WATANABE TOSHIYA TOTO LTD ; MACHIDA MITSUYOSHI TOTO LTD ; WATABE TOSHIYA HAYAKAWA MAKOTO MACHIDA MITSUYOSHI

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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN YU

International class
(IPC 8-9):

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B01J37/02 B05D5/00 B05D7/24 C08L27/18 C09D1/00 C09K3/00 C09K3/18 E01D101/00 E01D101/40 F24C15/12 (Advanced/Non-invention);
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International class
(IPC 1-7):

A47B81/04 A47F3/04 A47G1/00 A47G19/00 A47J43/28 A47K3/02 A61F9/02 A61L27/00
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US class:

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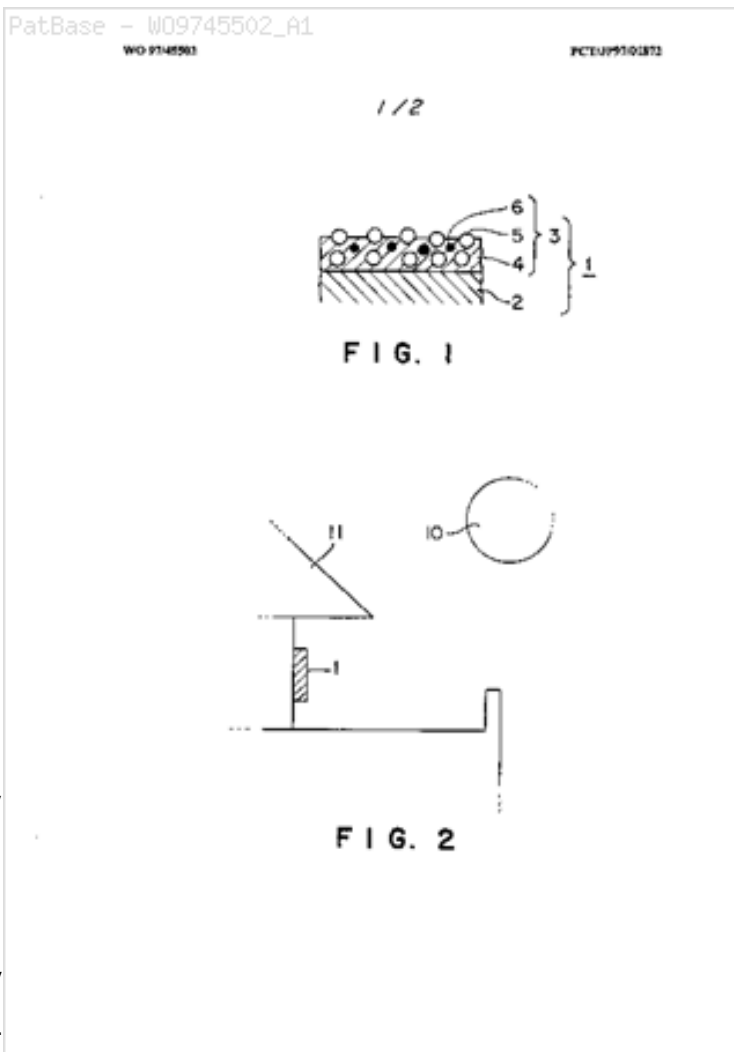
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Abstract:

Source: US6337129B Disclosed is a member having an antifouling surface on which the so-called "stains," such as deposits and contaminants, are less likely to be deposited. The surface of the member has both a hydrophobic portion, and a hydrophilic portion induced by a photocatalyst, the hydrophobic portion and the hydrophilic portion being present in a microscopically dispersed and exposed state on the surface. More specifically, according to a first aspect of the present invention, there is provided a member comprising: a substrate; and a surface layer provided on the substrate, the surface layer comprising a photocatalytic oxide, a silicone resin or silica, and a water-repellent fluororesin, the silicone or silica and the water-repellent fluororesin being present in a microscopically dispersed and exposed state on the outermost surface of the surface layer. According to a second aspect of the present invention, there is provided a member comprising: a substrate; and a surface layer provided on the substrate, the surface layer comprising a hydrophobic resin and a photocatalytic oxide, the hydrophobic resin and the photocatalytic oxide being present in a microscopically dispersed and exposed state on the outermost surface of the surface layer, the photocatalytic oxide being self-hydrophilified or functioning to hydrophilify the photocatalytic oxide still remaining unhydrophilified present around the photocatalytic oxide by photocatalytic action created in response to photoexcitation. In this surface where the hydrophobic portion and the hydrophilic portion are present adjacent to each other, a hydrophilic deposit having affinity for the hydrophilic portion does not have affinity for the adjacent water-repellent portion. On the other hand, a hydrophobic deposit having affinity for the hydrophobic portion does not have affinity for the adjacent hydrophilic portion. Therefore, both the hydrophilic deposit and the hydrophobic deposit cannot be deposited on the surface of the member, and, even when deposited on the surface of the member, are unstable and hence are easily removed, permitting the surface of the member to be kept clean.



52) Family number: 58490921 (CN204150165U)

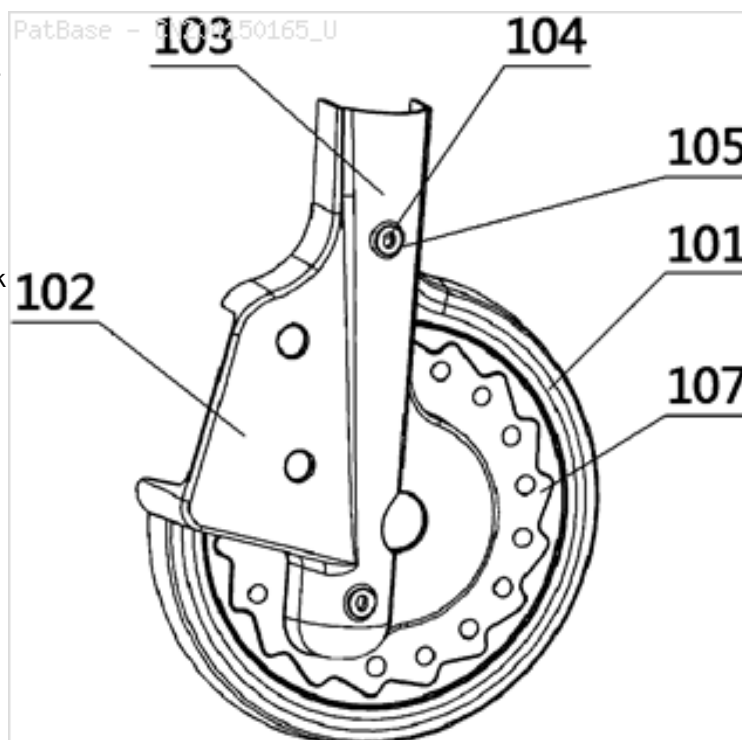
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Title: FRONT DISK BRAKE PROTECTIVE COVER FOR CAMBER BEAM TYPE MOTORCYCLE**Priority:** CN201420561589U 20140926**Family:**

Publication number	Publication date	Application number	Application date
<u>CN204150165 U</u>	20150211	CN201420561589U	20140926

Probable Assignee: SICHUAN GRAND ROYAL TECHNOLOGY CO LTD**Assignee(s):^(std):** SICHUAN GRAND ROYAL TECHNOLOGY CO LTD**Assignee(s):** GRAND ROYAL TECHNOLOGY CO LTD SICHUAN**Inventor(s):^(std):** YUAN ZHIYOU**International class** B62J23/00 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Forward Citations:** CN104192238,**Abstract:**

Source: CN204150165U The utility model provides a front disk brake protective cover for a camber beam type motorcycle and belongs to the field of front disk brake devices for the camber beam type motorcycle. The front disk brake protective cover comprises a disk-shaped cover body. The cover body is provided with a flank portion for protecting a front disk brake pump and a mounting portion for protecting a front shock absorber. The flank portion and the mounting portion are connected. The mounting portion is provided with a mounting hole. The front disk brake protective cover for the camber beam type motorcycle is mounted on a bottom sleeve at the lower end of the front shock absorber to enable the cover body to cover a front disk brake and the flank portion to cover the front disk brake pump, so that the front disk brake protective cover well protects the front disc brake by preventing the sand and mud raised by a front wheel of the moving camber beam type motorcycle from being involved in the front disc brake, resulting in the reducing of braking performance and the increasing of braking distance. Therefore, front disk brake protective cover for the camber beam type motorcycle can effectively improve the braking performance of the camber beam type motorcycle to achieve safety and reliability.



0) JP2006027397A – MOTORCYCLE

53) Family number: 32718788 (JP2006027397A)

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Title: MOTORCYCLE
Priority: JP20040207511 20040714

Family:	Publication number	Publication date	Application number	Application date
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	JP4506317 B2	20100721	JP20040207511	20040714
	TH35899 B	20130614	TH20051003232	20050713
	TH77964 A	20060605	TH20051003232	20050713

Probable Assignee: SUZUKI MOTOR CO

Assignee(s):^(std): SUZUKI MOTOR CO ; SUZUKI MOTOR CORP

Assignee(s): SUZUKI KABUSHIKI KAISHA ; SUZUKI KK

Inventor(s):^(std): SUZUKI ICHIRO ; ICHIRO SUZUKI

International class
(IPC 8-9): [B62J15/00](#) [B62J15/04](#) [B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [B62M7/02](#)
[F02M35/16](#) (Advanced/Invention);
[B62J15/00](#) [B62J23/00](#) [B62J99/00](#) [B62K11/00](#) [B62K11/04](#) [B62M7/00](#) [B62M7/02](#)
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International class
(IPC 1-7): [B62K11/04](#)

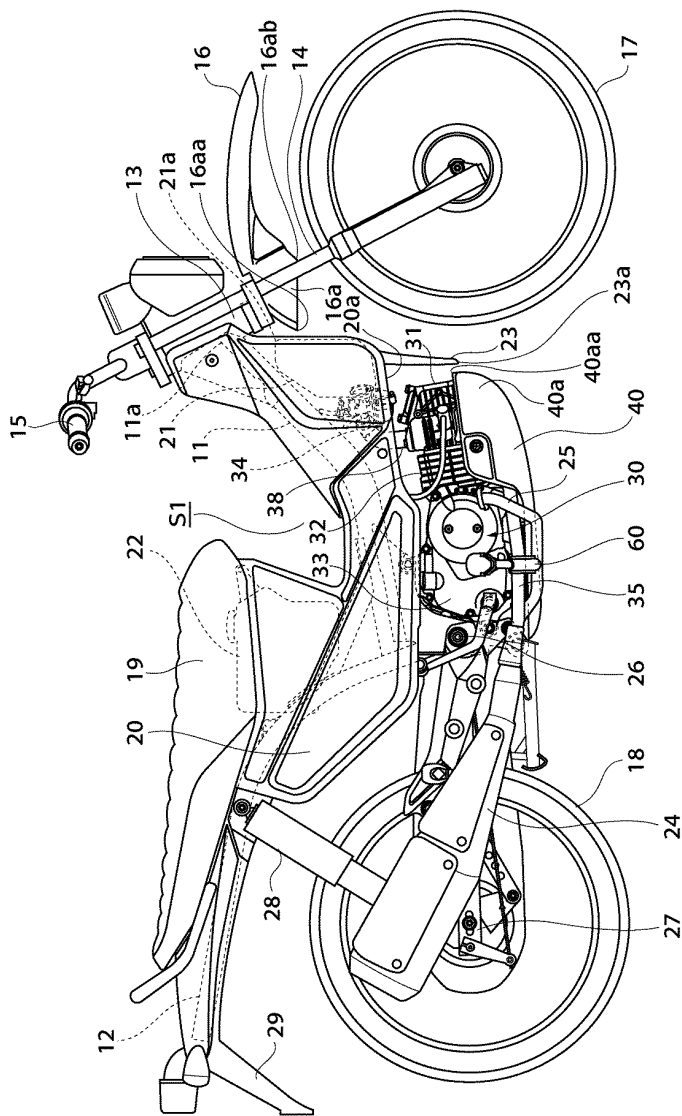
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Cited documents: JP2070589 A2, JP2004182017 A2,

Forward Citations: WO11099069, US8690192, US8087485, JP2016175488, EP2949567, EP2463187, CN103180200, CN102133913,

Abstract:

Source: JP2006027397A PROBLEM TO BE SOLVED: To secure a large capacity of an air cleaner box while easiness in straddling at the time of getting on and off a motorcycle and protection of the cylinder head front part are well secured. SOLUTION: A front fork 14 is fitted with a front fender 16 covering the front wheel 17 from above. A foot space S1 curved downward concavely when viewed on the side elevation is formed between the driver seat 19 and a head pipe 13. A suction device having the air cleaner box 21 and a carburetor 34 is installed between the cylinder of an engine unit 30 and the forefront 11a of a down-tube 11. A mud guard 23 dangling from the front under part of the air cleaner box 21 covers the front of the cylinder head 31 in cooperation with the front 40a of an under-guard 40 covering the lower half of the front of the cylinder head 31. The rear 16a of the front fender 16 is made shorter.



0) JP2003341573A – SCOOTER TYPE VEHICLE

54) Family number: 30086636 (JP2003341573A)

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Title: SCOOTER TYPE VEHICLE

Priority: JP20020151390 20020524

Family:	Publication number	Publication date	Application number	Application date
	CN1251917 C	20060419	CN20031019816	20030228
	CN1460622 A	20031210	CN20031019816	20030228
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	ES2264294 BA	20071116	ES20030001122	20030514
	IN00439MU2003 A	20060120	IN2003MU00439	20030505
	IN226957 B	20090306	IN2003MU00439	20030505
	ITTO20030354 A1	20031125	IT2003TO00354	20030516
	JP2003341573 A2	20031203	JP20020151390	20020524
	JP4145568 B2	20080903	JP20020151390	20020524
	TH52815 B	20161209	TH20031001734	20030512
	TH60013 A	20031219	TH20031001734	20030512
	TW200404695 A	20040401	TW20030110037	20030429
	TWI221130 B	20040921	TW20030110037	20030429

Probable Assignee: HONDA MOTOR CO LTD

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

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

Inventor(s):^(std): KAWAME ; KAWAME KAZUNORI ; KAZUNORI KWAME ; KAZUNORI YANO KENGO MORIKAWA Y ; KENGO YANO ; KWAME KAZUNORI ; MORIKAWA YUICHIRO ; YANO KENGO ; YUICHIRO MORIKAWA

Inventor(s): YANO KENGO MORIKAWA YUICHIRO KWAME KAZUNORI ; KAZUNORI KAWAME

International class
(IPC 8-9): [B62H1/00](#) [B62J1/00](#) [B62J17/06](#) [B62J23/00](#) [B62J25/00](#) [B62J9/00](#)
[B62K11/10](#) (Advanced/Invention);
[B62H1/00](#) [B62J1/00](#) [B62J17/00](#) [B62J23/00](#) [B62J25/00](#) [B62J9/00](#) [B62K11/00](#)
[B62K11/10](#) (Core/Invention);
[B62J](#) (Subclass/Invention)

International class
(IPC 1-7): [B62H1/00](#) [B62J1/00](#) [B62J17/06](#) [B62J23/00](#) [B62J25/00](#) [B62K11/10](#) [B62M7/02](#)

CPC: [B62J15/04](#) [B62J15/00](#) [B62J17/06](#) [B62J23/00](#) [B62J25/00](#) [B62K2202/00](#)

European class: [B62J17/06](#) [B62J23/00](#) [B62J25/00](#) [L62K202/00](#)

[Classification Explorer](#)

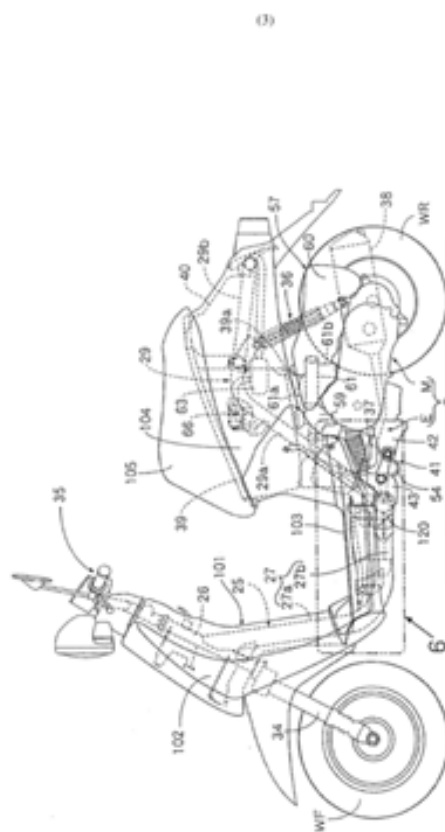
Cited documents: JP2000085662 A2, JP11301561 A2, JP10278864 A2, JP10203456 A2, JP10138977 A2,

Forward Citations: US9493067, TWI394680, JP5801142, JP2013043542, JP2012136101, JP2011031750, JP2010083180, EP3150474, EP2727804, EP2727804,

Abstract:

Source: JP2003341573A PROBLEM TO BE SOLVED: To prevent muddy water or the like splashed by a rear wheel from impinging on an engine while decreasing the number of parts in a scooter type vehicle in which a car body cover for covering the car body frame having a head pipe at the front end supporting a steering handle to be freely steered is provided with a rider seat disposed above an engine mounted on the car body frame, and a step floor for placing the rider's feet thereon is disposed between the steering handle and the seat. SOLUTION: The car body frame 25 includes a lower frame part 27b passing below the step floor 103, and the rear end of the lower frame 27b is provided with a mud guard member 120 for preventing muddy water or the like from splashing on the engine E side.

PatBase - TWI221130_B



- 487 -

55) Family number: 32229964 (CN2712770Y)

© PatBase

Title: Rear mud guarding cover of motorcycle

Priority: CN20033004932D 20030613 CN20032034932U 20030613 CN200420064094U 20040514

Family:

Publication number	Publication date	Application number	Application date
<u>CN2712770 Y</u>	20050727	CN200420064094U	20040514

Probable Assignee: CHONGQING LIFAN IND GROUP CO

Assignee(s):^(std): CHONGQING LIFAN IND GROUP ; CHONGQING LIFAN IND GROUP CO ; CHONGQING LIFAN INDUSTRY GROUP

Assignee(s): CHONGQING LIFAN INDUSTRY GROUP CO ; CHONGQING LIFAN IND GROUP CO LTD ; CHONGQING LIFAN IND CO LTD

Inventor(s):^(std): LONG WANJIN ; YIN MINGSHAN

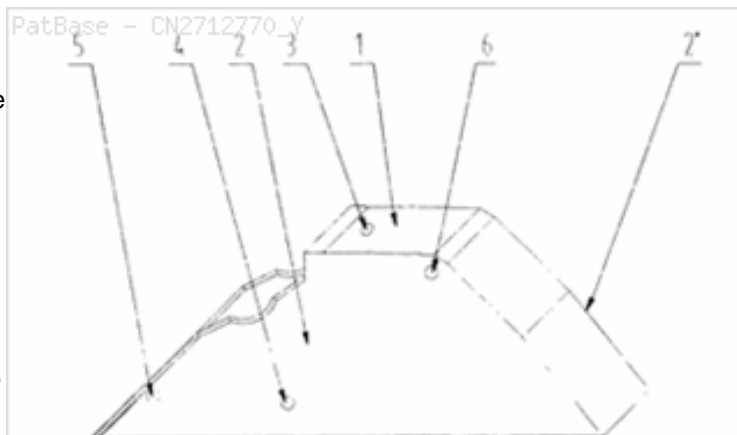
Inventor(s): MINGSHAN YIN ; WANJIN LONG

International class B62J15/04 (Advanced/Invention);
(IPC 8-9): B62J15/00 (Core/Invention)

International class B62J15/04
(IPC 1-7):

[Classification Explorer](#)**Abstract:**

Source: CN2712770Y The utility model relates to a rear mud guarding cover of a motorcycle. The rear mud guarding cover of the motorcycle is composed of an upper arc board 1, and two mud guarding boards 2 and 2' on two side surfaces of the upper arc board 1. The rear mud guarding cover of the motorcycle is characterized in that The two sides of the upper arc board 1 are provided with the mud guarding surface boards 2 and 2'. The mud guarding surface boards 2 and 2' are matched with the outer margins of the two sides of the upper arc board 1, the connection is smooth, and a cover body structure whose lower end is opened is formed. The rear mud guarding cover of the motorcycle has beautiful appearance and strong practicability. The rear mud guarding cover of the motorcycle is installed on the upper side of the rear wheel of the motorcycle. The rear mud guarding cover of the motorcycle not only can shield mud water splashed from a front direction and a rear direction, but also can shield the mud water splashed from a left direction and a right direction.



0) US2007296378A – STRADDLE-TYPE VEHICLE

56) Family number: 40996381 (US2007296378A)

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Title: STRADDLE-TYPE VEHICLE

Priority: JP20060173917 20060623 JP20090000675U 20090212

Family:	Publication number	Publication date	Application number	Application date
	<u>JP2008001278 A2</u>	20080110	JP20060173917	20060623
	<u>JP3150017 U</u>	20090423	JP20090000675U	20090212
	<u>US2007296378 AA</u>	20071227	US20070765314	20070619

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA MOTOR CO

Inventor(s):^(std): YAMAZAKI SHIGETO ; YAMASAKI SHIGETO ; OTATSU YASUHIRO ; OODACHI YASUHIRO

Agent(s): HOGAN AND HARTSON LLP

International class
(IPC 8-9): B62J13/04 B62J23/00 B62J6/18 B62J9/00 B62J99/00 B62K25/20 B62M9/02 H02H7/06 H02P11/00 H02P9/00 (Advanced/Invention);
B62J13/00 B62J23/00 B62J6/00 B62J99/00 B62K25/04 B62M9/00 H02H7/06 H02P11/00 H02P9/00 (Core/Invention)

CPC: B62K19/30 B62K25/283

European class: B62K19/30 B62K25/28B

US class: 322/28

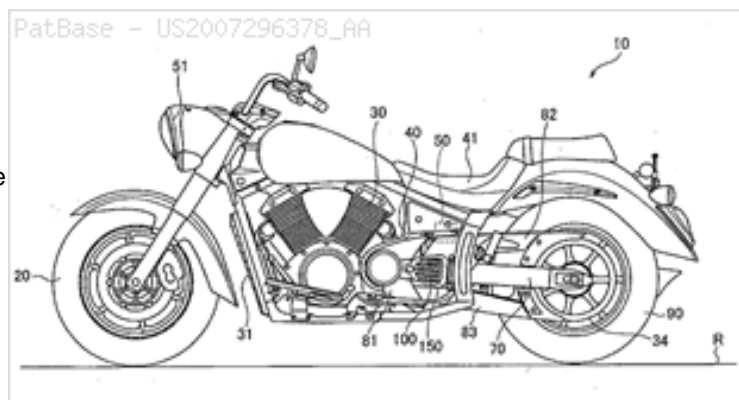
[Classification Explorer](#)

Cited documents: US7472772 BB, US7434645 BB, US7334556 BB, US6907954 BB, US6808465 BB, US6349785 BA, US6315071 BA, US6218804 BA, US5711390 A, US5531289 A, US5221236 A, US4901813 A, US4366880 A, US3724582 A, US2006226720 AA, US2001034280 AA,

Forward Citations: JP2011006028, JP2010064624, EP2583886,

Abstract:

Source: US2007296378A A straddle-type vehicle reliably cools a voltage regulator while inhibiting the voltage regulator from being negatively affected by water spray thrown up by a front wheel of the vehicle when it is running forward, or by flying objects that hit the vehicle from the front. The voltage regulator is attached to a front end side region of a rear arm.



57) Family number: 52062055 (TWM438433Y)

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Title: Fixing structure for front mud guard of motorcycle**Priority:** TW20120209147U 20120515

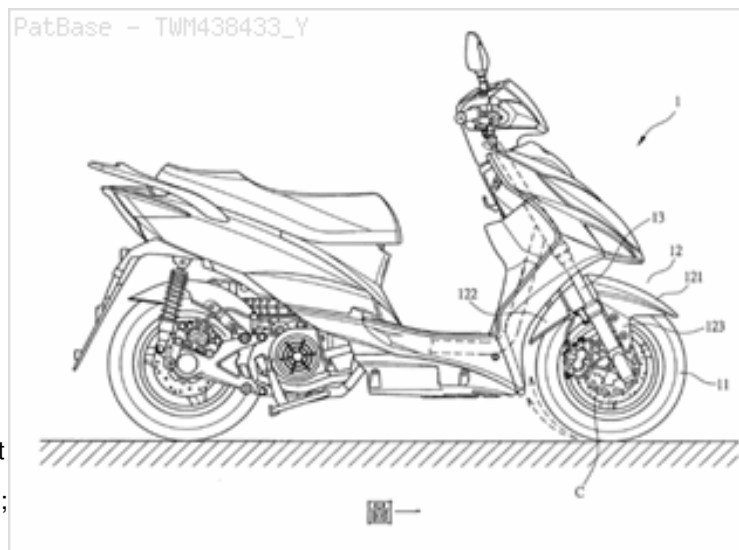
Family:	Publication number	Publication date	Application number	Application date
	<u>TWM438433 Y</u>	20121001	TW20120209147U	20120515

Probable Assignee: KWANG YANG MOTOR CO**Assignee(s):^(std):** KWANG YANG MOTOR CO**Assignee(s):** KWANG YANG MOTOR CO LTD**Inventor(s):^(std):** TING HSIN CHIH**International class** B62J15/02 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Abstract:**

Source: TWM438433Y

Machine translation: This creation system on a fixed structure of the soil except one locomotive front, the motorcycle having a frame, the head tube of the frame wearing stretch front fork, the fork connected to the steering handle, the front fork having a front shock absorber, the the lower end of the front shock absorber has a wheel axle support base, has a fixed part of the wheel, the fixed part of the front disc brakes and front soil in addition to the fixed part of the axle support base, the wheel Ministry Department for the front wheel axle fixed with the former soil addition to the Department of fixing part, for the former soil in addition to fixing, Department of fixing part of the front disc brakes for the front disc brakes calipers support base is fixed; addition to the top of the front wheels has before soil, soil in addition to the Department

of the former shock absorbers to distinguish the former portion and the rear segment portion, the front soil except at the front-end unit at the set connecting portion, the connecting portion are links in the axle supporting the seat of the front soil except fixed portion, its primarily in that: the brake caliper links have caliper support plate, the caliper support plate is provided with a keyhole, the soil except the rear stage in the front portion has a connecting hole corresponding to the caliper support plate keyhole take soil except the rear stage portion of the front, through the connecting hole to lock in caliper support plate keyhole on the former soil in addition to after segment Ministry and caliper support plate to form a link; extends down by the former soil in addition to the rear section of the Ministry of cover overlying the front wheels wheel center to the former can The barrier soil in addition to the rear section of the Ministry of the sediment, or surface water sprayed into the front wheel rolled the other parts of the locomotive, and enhance the soil in addition to the use of efficacy.



Title: MOTORCYCLE RIDER HEATER**Priority:** AU20140280989 20141231 AU20140900085 20140110

Family:	Publication number	Publication date	Application number	Application date
	AU2014280989 AA	20150730	AU20140280989	20141231

Probable Assignee: FRANCIS PATRICK**Assignee(s):^(std):** FRANCIS PATRICK**Assignee(s):** FRANCIS PATRICK WALTER MR**Inventor(s):^(std):** FRANCIS PATRICK WALTER**Agent(s):** FRANCIS PATRICK WALTER MR**International class** B62J17/00 B62J33/00 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Forward Citations:** CN105128994,**Abstract:**

Source: AU2014280989A MOTORCYCLE RIDER HEATER A contraption consisting of a ducting system with an inlet collector flute located over a heat source such as the exhaust pipe with the inlet collector flute facing forward into the wind in the direction of forward movement of the motorcycle and easily adapted to a car which pushes air over the hot exhaust and into the inlet collector flute to cause a higher pressure in the inlet collector flute and the inlet collector flute being connected to a control valve for purposes of regulating air flow and the control valve in turn being connected to ducting leading to outlets located forward of the rider on the fairing of the motorcycle behind a deflector which by nature of venturi effect, creates a lower pressure at the outlets which then allows air heated by the exhaust at the inlet collector flute of the contraption to flow to the outlets with no assistance other than the dynamics of differential pressure, where air flows from high to low pressure thereby delivering heated air to selected areas forward of the rider to warm the rider.

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PatBase - AU2014280989_AA

2014280989 31 Dec 2014

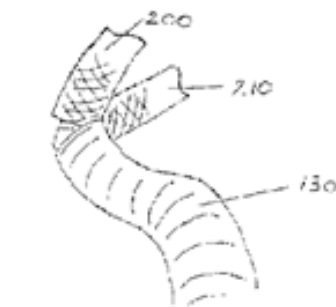
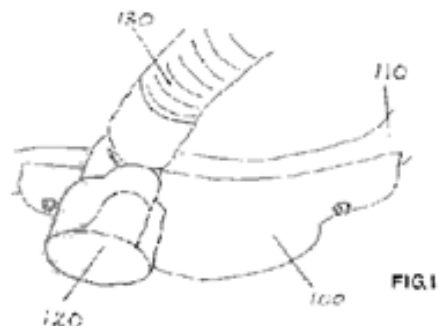


FIG 2

59) Family number: 33504427 (USD530243S)

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Title: MOTORCYCLE**Priority:** TW20050306757F 20051108 US20050244773F 20051213

Family:	Publication number	Publication date	Application number	Application date
	<u>TWD113028 S1</u>	20060921	TW20050306757F	20051108
	<u>USD530243 S1</u>	20061017	US20050244773F	20051213

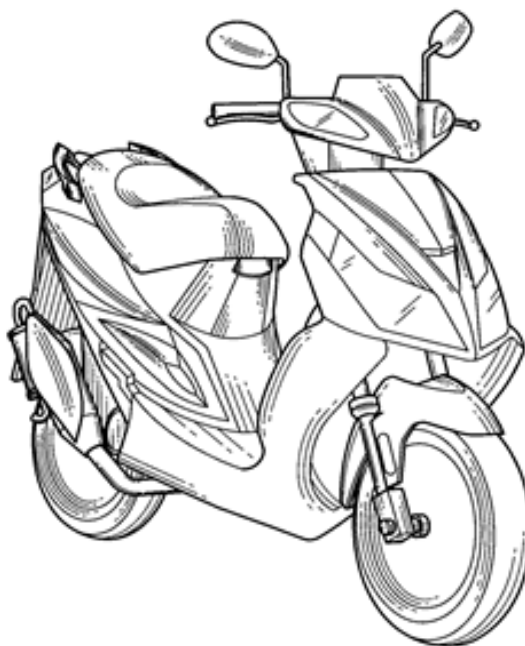
Probable Assignee: SANYANG IND CO LTD**Assignee(s):^(std):** SANYANG IND CO LTD ; SANYANG INDUSTRY CO LTD**Assignee(s):** SANYANG MOTOR CO LTD ; SANYANG IND ; SANYANG IND CO**Inventor(s):^(std):** LIN SHUI WANG**Agent(s):** QUINTERO LAW OFFICE**US class:** D12/110**Locarno class:** 12/11[Classification Explorer](#)**Cited documents:** USD503908 S1, USD480661 S1,**Forward Citations:** USD678129, USD669396, USD657289, USD600163, USD600161, USD598329, USD556093, USD555544, USD555543, USD544817,**Abstract:**

Source: TWD113028S

Machine translation: [Goods use]; This creation has about one kind of locomotive the new model, it is uses in riding while the transportation vehicle. ; [Creation characteristic]; Locomotive of the this creation ventral including about each one, about each rear view mirror, about each group of headlights, about each front side light, about various one side back plate, a front mudguard, and a front wheel. Two handle position assumes the summary to open to the both sides V, above the handle is a rear view mirror, hereafter modelling of the speculum modelling of for the multi-surface ? angle, quite had positive just the taste. Between handle for about each front side light, two front side light coverglasses for coordinate encirclement curved surface raised cover design, has reduces effect of the wind resistance streamline. The headlight group also for many ? angle modelling, two headlight groups becomes V arrangement for the summary, in the headlight group has each of lamps and lanterns bilateral symmetry, presents the streamline also the succinct visual effect. Underneath the headlight group outside the side back plate like wants to

spread the wings the eagle, quite has vision of effect the outward expansion front, this outward expands the modelling part also to be possible to protect rides while the foot department, falls low outward to bump possibility of the abrasion. The fender hangs above the front wheel, has sinks the outward appearance curved surface in the symmetrical middle line part, this outward appearance curved surface has design element the myo- sex appeal. But in the front wheel the wheel rim is design a spatial universal chuck, causes the overall design to present the facile powerful visual feeling. ; Among the locomotive including a cushion, about various one side skirt, a main body plays the part of the board, about each main body side bar, and about nearby various one side the foot board. Cushion is protrudes a back cushion minute before and after two part by among, corresponds separately riding of in the front seat rides the carrying two parts while and the back seat, rides dispenses a close front end

PatBase - USD530243_S1



hollow part while a sub-system front end micro double wedge to compose, front end this the micro double wedge divides into avoids riding while proceeds to move sits when has not felt the resistance to slide to the cushion, but rides the carrying part design for the rough level. About the side skirt for extends the locomotive ventral modelling along to meet becomes, enables the outward appearance to achieve the whole consistent effect. The main body plays the part of the board to be located underneath the cushion also including a front cover, about each main body side bar is located about the cushion underneath the both sides, on the main body side bar has like within the diamond cutting concave ? angle modelling, causes line of the main body outlook to present the multi-lines also the compact person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project. About each side foot board for may hide the type design, rides carrying to be possible to depend on needs to decide whether pulls out the side foot board, increases rides the carrying comfortableness of. ; Locomotive rear end after a rear lamp, about each side light, a fender, as well as a wheel. Rear lamp for is suitable periphery the surface modeling to extend to about both sides like returns to the strength dart ? the angle design, quite had positive just the visual effect. After about the side light is next the coordinate rear lamp for a series of ? angle modelling, has adds the finishing touch the effect in the overall modelling. The latter fender hangs in after wheel rear area, after has the gable the wheel with to prevent the trailing wheel raises outside the dust and the mud releases the design effect. In the latter wheel in the wheel rim and the front wheel the wheel rim with design of for the spatial universal chuck, enable the overall design to have the speed feeling. ; As stated above, not only this creation novel outward appearance modelling design, enable this creation to have the originality, also has the unique visual effect, honestly for conforms to the new model patent important document innovation design.

0) JP2007177682A – INTERNAL COMBUSTION ENGINE FOR VEHICLE PROVIDED...

60) Family number: 34907789 (JP2007177682A)

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Title: INTERNAL COMBUSTION ENGINE FOR VEHICLE PROVIDED WITH PROTECTION COVER FOR THROTTLE BODY

Priority: JP20050376621 20051227

Family:	Publication number	Publication date	Application number	Application date	
	BRPI0605659 A	20071016	BR2006PI05659	20061226	
	CN100587242 C	20100203	CN200610171115	20061222	
	CN1991141 A	20070704	CN200610171115	20061222	
	IN02404CH2006 A	20071207	IN2006CH02404	20061222	
	IN238214 B	20100205	IN2006CH02404	20061222	
	JP2007177682 A2	20070712	JP20050376621	20051227	
	JP4420895 B2	20100224	JP20050376621	20051227	

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO K K ; HONDA MOTOR CO

Inventor(s):^(std): TOSHIYUKI KUBOTA ; TETSUO YAOKAWA ; MASAMI YAOKAWA TETSUO KUBOTA T ; MASAMI ANNO ; ANNO MASAMITSU ; YAOKAWA TETSUO ; KUBOTA TOSHIYUKI ; ANNO MAMI

Inventor(s): MAMI ANNO ; YAOKAWA TETSUO KUBOTA TOSHIYUKI ANNO MASAMI ; ANNO MASAMI

International class
^(IPC 8-9): [B62J23/00](#) [B62J37/00](#) [F02B77/13](#) [F02D9/10](#) [F02M35/10](#) [F02M37/00](#) ^(Advanced/Invention);
[B62J23/00](#) [B62J37/00](#) [F02D9/08](#) [F02M37/00](#) ^(Core/Invention)

International class
^(IPC 1-7): [F02B77/13](#)

CPC: [Y02T10/123](#)

[Classification Explorer](#)

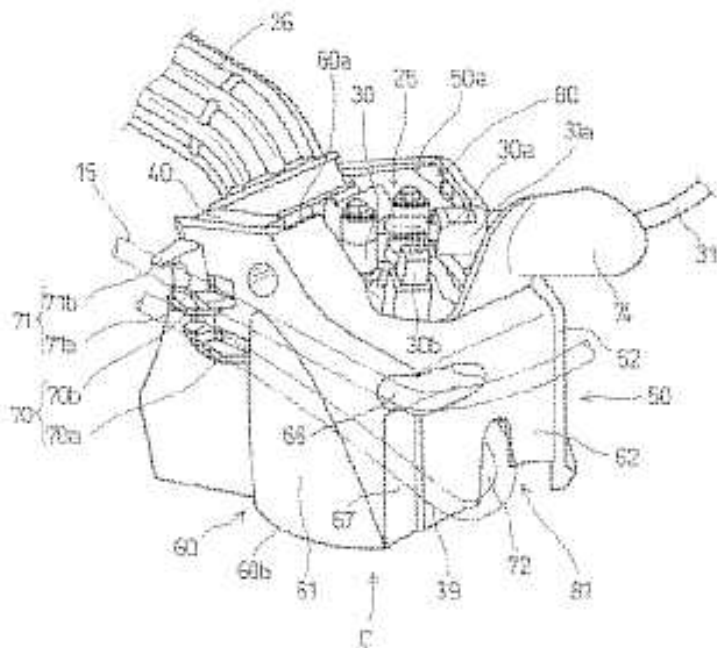
Cited documents: JP61200793 U,

Forward Citations: US9328709, US7681551, JP5925261, JP2016043906, EP3069984, CN102975667,

Abstract:

Source: JP2007177682A PROBLEM TO BE SOLVED: To prevent a flying object from colliding and adhering on a throttle body and reduce noise caused by operation noise of a fuel injection valve. SOLUTION: The internal combustion engine mounted on an motorcycle is provided with a throttle body 25 provided with a throttle valve, a fuel injection valve 30, and a protection cover C for the throttle body protecting the throttle body 25 from the flying object such as water, mud, and small stones. The protection cover C is attached on the throttle body 25 to cover the throttle body 25 arranged with exposed from a body cover and covers the fuel injection valve 30 attached to the throttle body 25.

PatBase - JP4420895_B2



61) Family number: 30612390 (JP2004098830A)

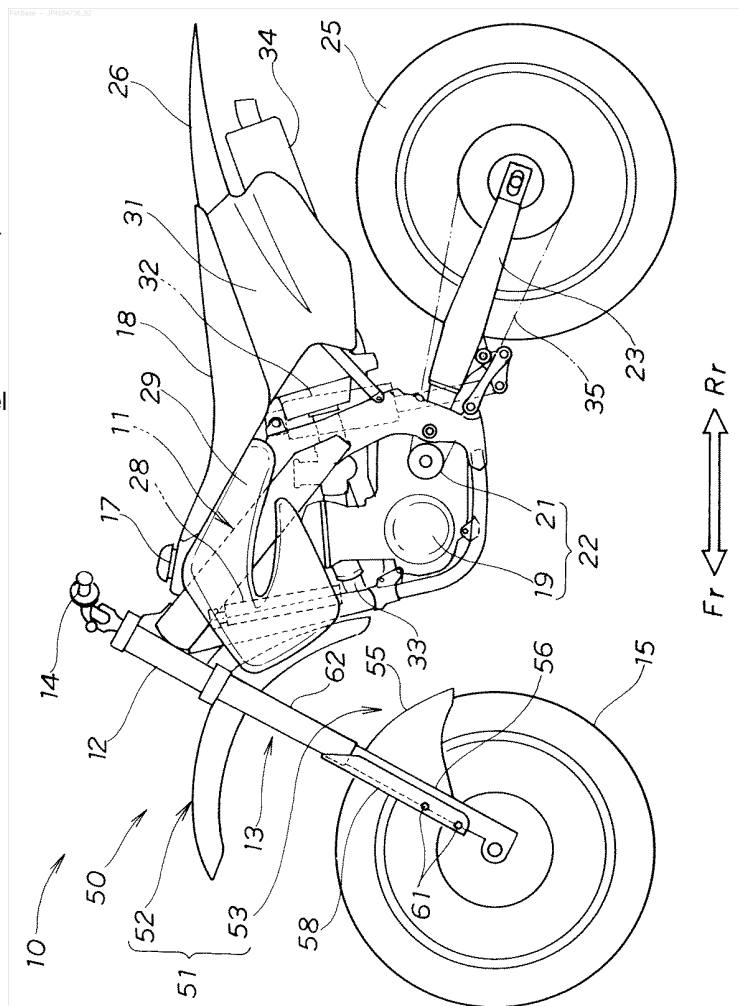
© PatBase

Title: FRONT FENDER STRUCTURE FOR MOTORCYCLE**Priority:** JP20020262954 20020909**Family:**

Publication number	Publication date	Application number	Application date
<u>JP2004098830 A2</u>	20040402	JP20020262954	20020909
<u>JP4184736 B2</u>	20081119	JP20020262954	20020909

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO KABUSHIKI KAISHA**Inventor(s):^(std):** KOHAMA MITSUYOSHI**International class**
(IPC 8-9): B62J15/00 (Advanced/Invention);
B62J15/00 (Core/Invention)**International class**
(IPC 1-7): B62J15/00[Classification Explorer](#)**Cited documents:** JP60105582 U, JP59113283 U, JP55176891 U, JP0326692 U, JP03204384,**Forward Citations:** JP5312976, JP2010190141, JP2009214883,**Abstract:**

Source: JP2004098830A PROBLEM TO BE SOLVED: To provide a front fender structure for a motorcycle, sufficiently preventing the splash of water and mud from a front wheel without increasing the vibration of a front fender. SOLUTION: The front fender structure for the motorcycle prevents water and mud splashed from the front wheel 15 from hitting a front fork 13 at its upper part or a body frame 11 at its upper part. It comprises the front fender 51 consisting of an up-fender 52 mounted at the upper part of the front fork 13 to cover the front wheel 15 at its upper part and a down-fender 53 mounted at the lower part of the front fork 13 to cover the front wheel 15 at its rear side. Thus, the function of preventing the splash of water and mud is improved without increasing the vibration of the front fender, and the motorcycle can be designed with a strong appearance and a lightsome feel of an off-road type because of the short up-fender.



62) Family number: 40797636 (US2007203727A)

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Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Priority:

US20060279333	20060411	US20060361247	20060224	US20060381265	20060502
US20060381257	20060502	US20060381247	20060502	US20060379929	20060424
US20060381677	20060504	US20060423594	20060612	US20060421694	20060601
US20060420594	20060526	US20060383022	20060512	US20060381277	20060502
US20060394350	20060330	US20060384037	20060317	US20060464764	20060815
US20060462845	20060807	US20060462795	20060807	US20060461624	20060801
US20060461605	20060801	US20060456472	20060710	US20060426231	20060623
US20060425043	20060619	US20060464788	20060815	US20060464799	20060815
US20060464751	20060815	US20060464775	20060815	US20060465063	20060816
US20060466727	20060823	US20060466953	20060824	US20060470156	20060905
US20060556620	20061103	US20060556455	20061204	US20060555896	20061102
US20060556520	20061103	US20060559278	20061113	US20060549874	20061016
US20060537469	20060929	US20060531651	20060913	US20060532461	20060915
US20060535021	20060925	US20060539798	20061009	US20060539861	20061009
US20060548191	20061010	US20060550594	20061018	US20060551083	20061019
US20060554452	20061030	US20060555589	20061101	US20060820628P	20060728
US20060823806P	20060829	US20060825524P	20060913	US20060825976P	20060918
US20060826491P	20060921	US20060827591P	20060929	US20060827820P	20061002
US20060827828P	20061002	US20060828341P	20061005	US20060828342P	20061005
US20060829447P	20061013	US20060829779P	20061017	US20060862398P	20061020
US20060862718P	20061024	US20060535282	20060926	US20080047130	20080312
US20060863292P	20061027	US20060864302P	20061103	US20070894350P	20070312
US20060863469P	20061030	US20060863481P	20061030		

Family:

Publication number	Publication date	Application number	Application date
US2007203727 AA	20070830	US20060456472	20060710
US2007214729 AA	20070920	US20060535282	20060926
US2007215434 AA	20070920	US20060555896	20061102
US2007217577 AA	20070920	US20060426231	20060623
US2007219420 AA	20070920	US20060462845	20060807
US2007219421 AA	20070920	US20060464751	20060815
US2007219422 AA	20070920	US20060464764	20060815
US2007219423 AA	20070920	US20060464788	20060815
US2007219424 AA	20070920	US20060464799	20060815
US2007219425 AA	20070920	US20060465063	20060816
US2007219426 AA	20070920	US20060466727	20060823
US2007219427 AA	20070920	US20060466953	20060824
US2007219428 AA	20070920	US20060531651	20060913
US2007219429 AA	20070920	US20060535021	20060925
US2007219430 AA	20070920	US20060539798	20061009
US2007219431 AA	20070920	US20060549874	20061016
US2007219810 AA	20070920	US20060279333	20060411
US2007219812 AA	20070920	US20060381265	20060502
US2007219813 AA	20070920	US20060421694	20060601
US2007219814 AA	20070920	US20060537469	20060929
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Probable Assignee: SOVEREIGN DEED LLC

Assignee(s):^(std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s):^(std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H ET AL

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 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

International class
(IPC 8-9):

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US class:

141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1 250/519.1 345/85P 379/37 379/37P 434/236 434/236S 455/3.01 455/3.010 52/169.6 52/3 52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S 600/300 600/300P 701/23 705/1 705/1.1 705/1.100P 705/14.16 705/14.160P 705/14.19 705/14.190S 705/14.27 705/14.270S 705/14.28 705/14.280S 705/14.31 705/14.310S 705/14.33 705/14.330S 705/2 705/26.8 705/2P 705/314 705/314P 705/325 705/325S 705/400 705/400P 705/5 705/500 705/500P 705/52 705/52P 705/5P 705/75 705/75S 707/802 707/802S 707/E17.005 707/E17.005S 726/2 726/2S 96/222 96/222P

Classification Explorer

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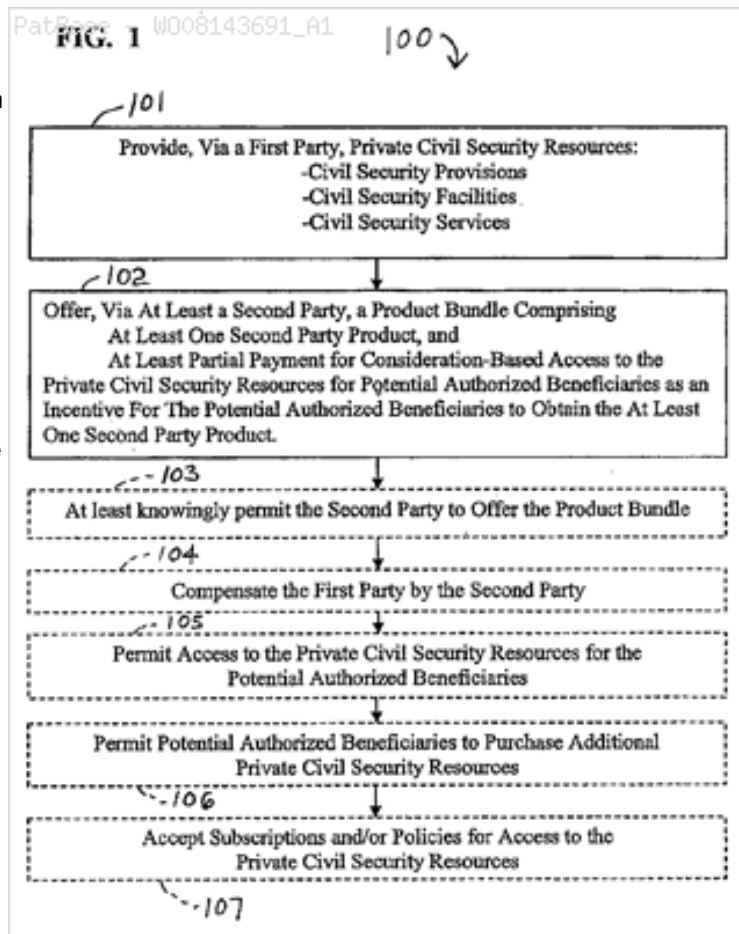
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Forward Citations: WO14098841, WO13028679, WO12154693, WO12154693, WO12135074, WO12135074,
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Abstract:

Source: US2007203727A One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.



Title: FRONT WHEEL MUD GUARD OF MOTORCYCLE

Priority: JP19890262106 19891009

Family:

Publication number	Publication date	Application number	Application date
<u>JP2779848 B2</u>	19980723	JP19890262106	19891009
JP3125680 A2	19910529	JP19890262106	19891009

Probable Assignee: SUZUKI MOTOR CO

Assignee(s):^(std): SUZUKI MOTOR CO

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KK

Inventor(s):^(std) FUKUDA OSAMU

International class B62J15/00 B62J23/00 (Advanced/Invention);
(IPC 8-9): B62J15/00 B62J23/00 (Core/Invention)

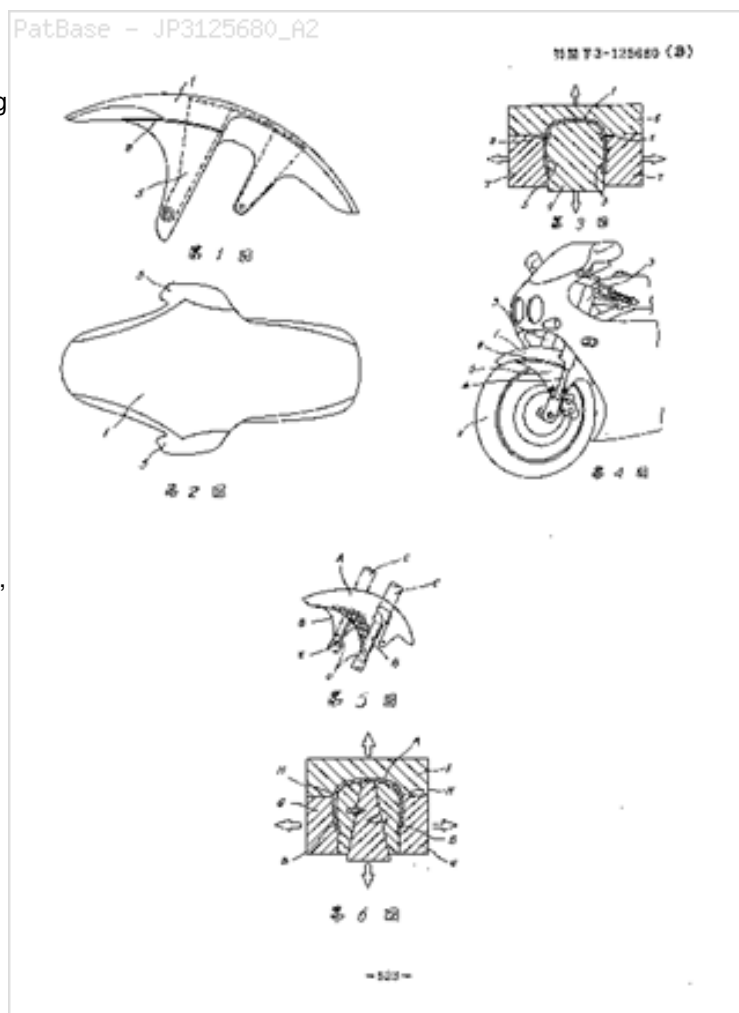
International class B62J15/00 B62J23/00
(IPC 1-7).

Classification Explorer

Forward Citations: US4895107, JP2017042296.

Abstract:

Source: JP3125680A PURPOSE: To abolish the removing work of a parting line by integrally molding a fork cover part for covering the lower frontside of left and right front forks on lateral lower sides of a front wheel mud guard, forming a channel on the front wheel mud guard along the divided surface of the molding die so as to make the parting line unobtrusive. CONSTITUTION: A front wheel mud guard 1 is die-formed by synthetic resin into a form covering the upper side of a front wheel 2. In this case, a fork cover part 5 for covering the frontside of the exposed part of an inner tube 4 in the lower part of a front fork 3 is integrally molded on a lateral lower sides of the front wheel mud guard 1. The frontside of the fork cover part 5, which is a part to be undercut, is molded by dividing the outside molding die into an upper side 6 and lateral lower sides 7 and fitting them to each other, and a channel 8 is formed on the front wheel mud guard 1 along the divided surface. Hence, a parting line is disposed in the part of the channel 8 to make it unobtrusive, and the scrubbing work of this is abolished. The channel 8 is positively utilized as the accent of the front wheel mud guard to improve the appearance.



0) JP2009208618A – CHAIN ADJUSTER FOR MOTORCYCLE

64) Family number: 43800015 (JP2009208618A)

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Title: CHAIN ADJUSTER FOR MOTORCYCLE

Priority: JP20080053634 20080304

Family:

Publication number	Publication date	Application number	Application date
BRPI0900902 A2	20100126	BR2009PI00902	20090304
CN101525033 A	20090909	CN200910004622	20090302
CN101525033 B	20120111	CN200910004622	20090302
JP2009208618 A2	20090917	JP20080053634	20080304
PH2009000037 A	20101011	PH20090000037	20090211
VN10581 A1	20120925	VN20080003018	20081211

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO K K ; HONDA MOTOR CO

Inventor(s):^(std): HIDEKI KUWANO ; KUWANO HIDEKI

Agent(s): E B ASTUDILLO AND ASSOCIATES

International class
^(IPC 8-9): [B62M9/16 F16H7/10](#) (Advanced/Invention) ;
[B62M9/00](#) (Core/Invention)

International class
^(IPC 1-7): [B62M9/16](#)

[Classification Explorer](#)

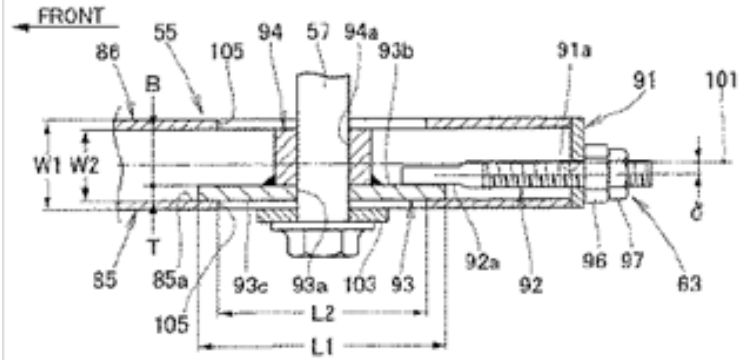
Cited documents: JPS6348692 U, JPS59109594 U, JP8119174 A2, JP63048692 U1, JP59109594 U1, JP4122291 U1, JP2017496 U1, JP1130897 U1,

Forward Citations: JP5715486, JP2012240516, CN104275986, CN103482013, CN103482013,

Abstract:

Source: JP2009208618A PROBLEM TO BE SOLVED: To provide a chain adjuster for a motorcycle, having less intrusion of dust, rainwater, or mud into a swing arm, improved in appearance and assemblability. SOLUTION: A chain adjuster 63 includes: an adjust bolt 92 arranged to penetrate through an end cap 91; a planar washer part 93 attached to a front end of the adjust bolt 92 with a through-hole 93a drilled for inserting an axle 57 therethrough; and a collar 94 attached to an inner face 93b of the washer part 93 so that the through-hole 93a and a bolt insertion hole 94a become coaxial. The washer part 93 is arranged to seal, from inside, a long hole 105 of the outside in the direction of the width of the motorcycle in a swing arm 24.

PatBase - JP2009208618_A2



65) Family number: 42329141 (JP3008985U)

Title: A tricycle-type front cover for infant mud (Machine translation)

Priority: JP19940012965U 19940913

Family:

Publication number	Publication date	Application number	Application date
JP3008985 U	19950328	JP19940012965U	19940913

International class B62J15/00 B62J23/00 B62K9/02

(IPC 1-7).

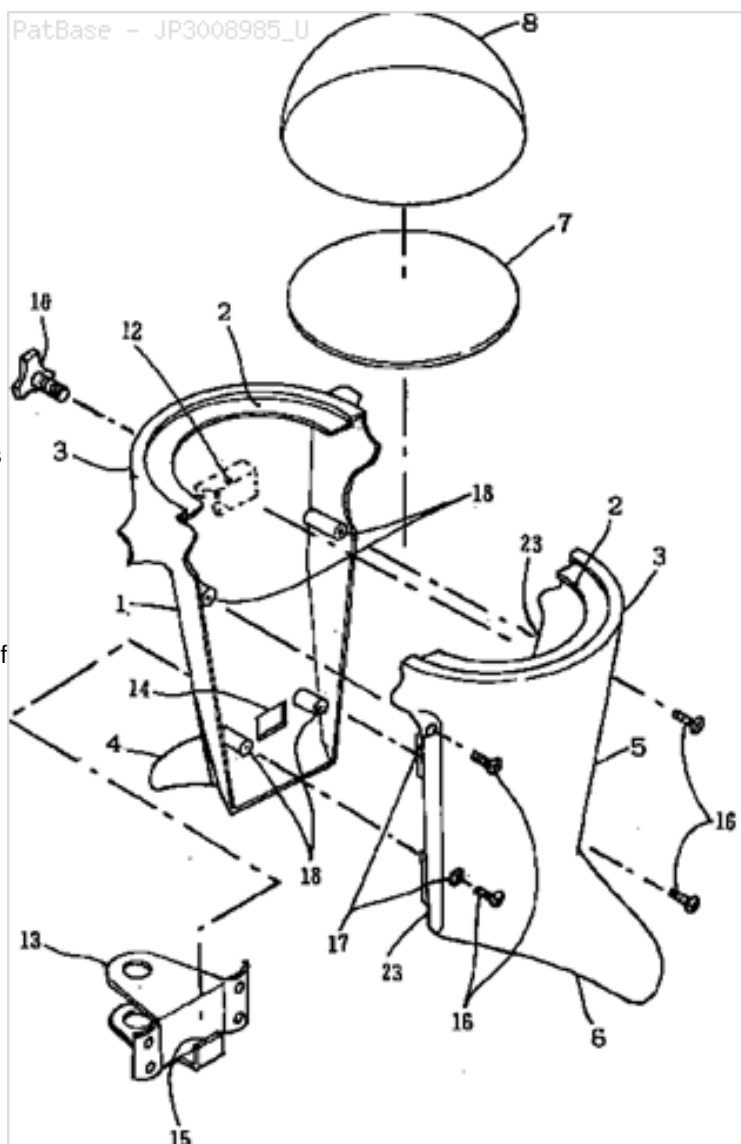
Abstract:

Source: JP3008985U

Machine translation: [summary] Mounting section provides a front-cover mud and toys that target vehicle a tricycle for toddlers

[Purpose] has been formed into a figure. []

The configuration and material synthetic resin material, the mounting portion with a toy (8) position transparent dome at the top rear cover (1) covering the front of the unit (B) front wheel shaft and the handle (A) except for the grip portion at the bottom (3) mounting portion to be fitted to the front of the toy (1), and at the top of the rear cover, molded without those provided in (4) mud after a lower end portion, (3) front cover having a body (6) cover combining what was molded (5) (9), the handle of the tricycle shaft front wheel (A) and the front bracket the vehicle body so as to cover the front (B) mud before has a configuration that can be easily screwed in (C) and the mounting plate, locked in (13). In addition, section (5) are easily mounted configuration and (19) Basuketsuto this cover only the front cover of the body.



0) JP2012051388A – REAR STRUCTURE OF MOTORCYCLE

66) Family number: 50840488 (JP2012051388A)

© PatBase

Title: REAR STRUCTURE OF MOTORCYCLE

Priority: JP20100193098 20100831

Family:

Publication number	Publication date	Application number	Application date
BRPI1104638 A2	20130122	BR2011PI04638	20110829
CN102381393 A	20120321	CN201110248596	20110826
CN102381393 B	20140806	CN201110248596	20110826
IN02976CH2011 A	20130621	IN2011CH02976	20110829
JP2012051388 A2	20120315	JP20100193098	20100831
JP5513317 B2	20140604	JP20100193098	20100831

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): TERADA MITSURU ; MITSURU TERADA

International class [B62J B62J15/00 B62J6/04 B62J6/18 B62M7/02](#) ^(Advanced/Invention)
(IPC 8-9)

[Classification Explorer](#)

Cited documents: US6099151 A, JP57058573 A2, JP2010179703 A2, JP2008126708 A2, CN1442340 A, CN101007553 A,

Forward Citations: WO15098879, JP6093176, JP2014104917, JP2014061867,

Source: JP2012051388A PROBLEM TO BE SOLVED: To increase support rigidity of a light while improving the degree of freedom and outer appearance of a rear fender shape, in the rear structure of a motorcycle where a rear fender for covering a rear wheel from above is disposed in the rear part of a vehicle body frame, and the light is supported by the rear fender.**SOLUTION:** A rear fender 64 is constituted of an outer fender member 66 which is formed to constitute the overall appearance shape of the rear fender 64 when viewed from the rear side, and an inner fender member 67 connected to the outer fender member 66 from the front so as to be divided back and forth. The light 65 is partially held between the outer fender member 66 and the inner fender member 67 to be supported by the fender members 66 and 67.

0) JP2012176695A – POWER SOURCE CONNECTING PART STORAGE STRUCTURE ...

67) Family number: 51886083 (JP2012176695A)

© PatBase

Title: POWER SOURCE CONNECTING PART STORAGE STRUCTURE FOR SADDLE-RIDING TYPE VEHICLE

Priority: JP20110040858 20110225

Family:

Publication number	Publication date	Application number	Application date
CN102649452 A	20120829	CN201210022931	20120119
CN102649452 B	20141001	CN201210022931	20120119
IN00686CH2012 A	20130621	IN2012CH00686	20120223
JP2012176695 A2	20120913	JP20110040858	20110225
TH122492 A	20130329	TH20121000171	20120117

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSIKI KAISHA

Inventor(s):^(std) ASAI KOHEI ; HIROMI IWAKUMA ; IWAKUMA HIROMI ; KAWASAKI SHINJI ; KOHEI ASAI ; KOYAMA TAKAHIRO ; SHINJI KAWASAKI ; TAKAHIRO KOYAMA

Inventor(s): OYAMA TAKAHIRO

International class [B60L11/18](#) [B62J11/00](#) [B62J17/00](#) [B62J6/02](#) [B62J9/00](#) [B62J99/00](#) [B62M7/06](#)
(IPC 8-9): [H01M](#) (Advanced/Invention);
[B62J11/00](#) (Core/Invention)

CPC: [Y02T10/7005](#) [Y02T90/121](#)

[Classification Explorer](#)

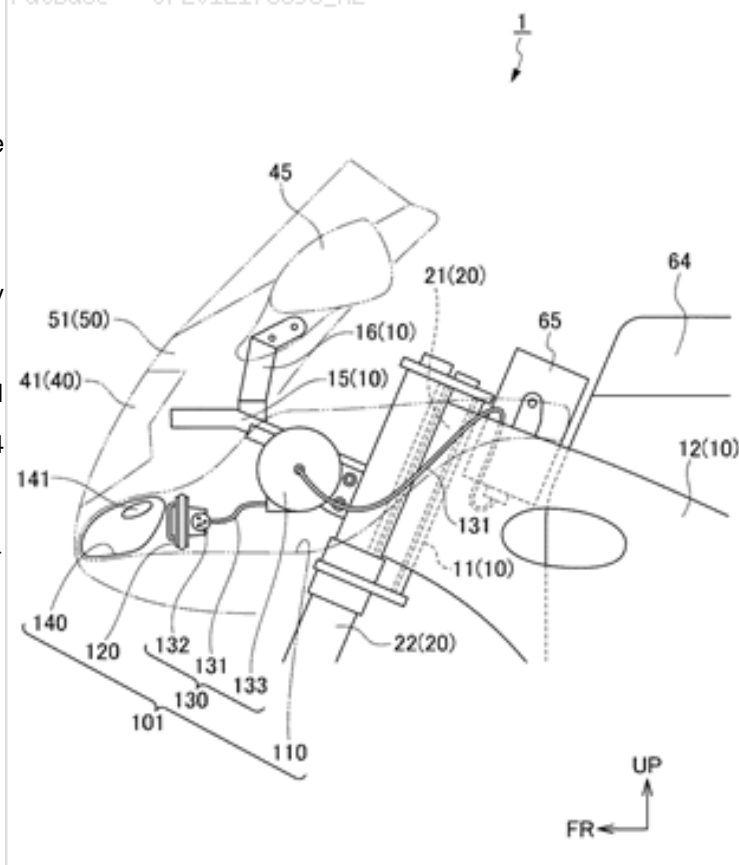
Cited documents: JP6278667 A2, CN1511752 A,

Forward Citations: WO14103856, US9434243, JP5996419, JP2014124973, JP2014065422, EP2957490,

Abstract:

Source: JP2012176695A PROBLEM TO BE SOLVED: To provide a power source connecting part storage structure for a saddle-riding type vehicle, in which reduction in botheration of daily charging operation and superior waterproof property of a power source connecting part is made compatible. SOLUTION: A saddle-riding type vehicle includes: a car body frame 10; a steering device 20 which is held by the car body frame so as to be freely steered; a front wheel 25 which is supported freely rotatable by the steering device; a front cowl 51 covering the front of the steering device and the side thereof; a front fender 26 which is disposed between the front cowl and the front wheel and fixed to the steering device; an electric motor 61 mounted in the car body frame; a battery 64 mounted in the car body frame; and a power source connecting part 130 for supplying power from the outside of the vehicle to the battery; wherein the electric motor is used as a motive power source. At a front face side or an upper face side of the front cowl above the front fender, an opening 110, which can be closed by a cover member 120, is disposed and the power source connecting part 130 is stored within the opening 110.

PatBase - JP2012176695_A2



68) Family number: 52663651 (EP2540603A2)

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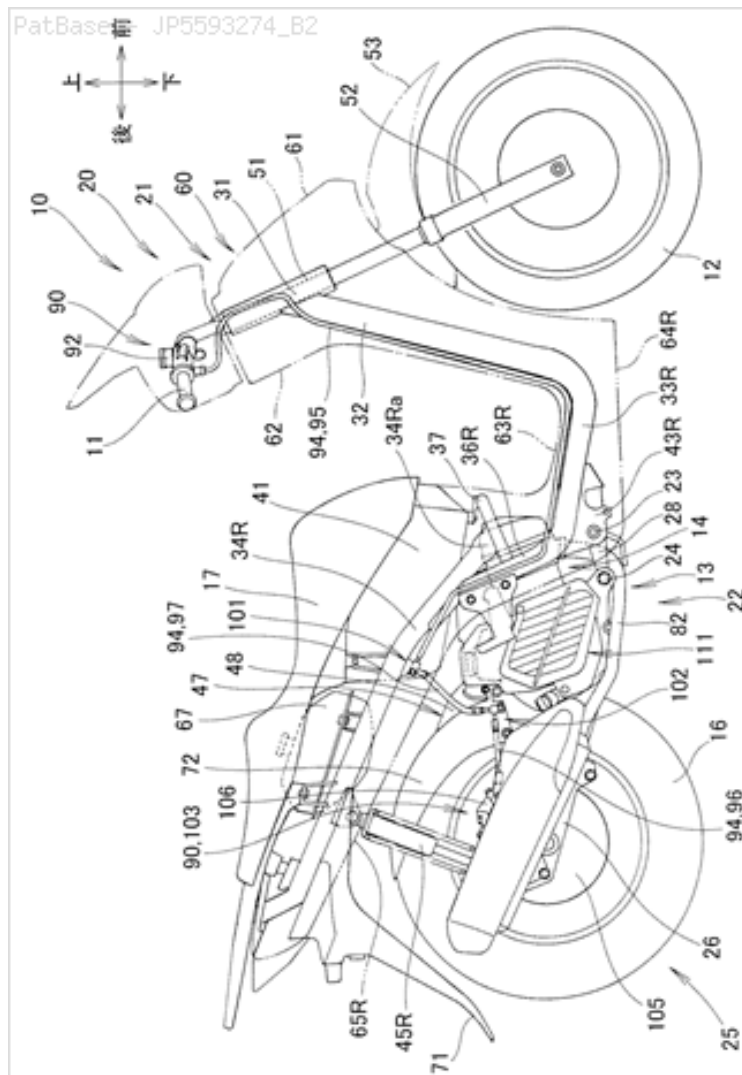
Title: SADDLE TYPE VEHICLE**Priority:** EP20120173820 20120627 JP20110144363 20110629

Family:	Publication number	Publication date	Application number	Application date
	CN102849055 A	20130102	CN201210217329	20120626
	CN102849055 B	20150708	CN201210217329	20120626
	DE602012015349 D1	20160428	DE201260015349T	20120627
	EP2540603 A2	20130102	EP20120173820	20120627
	EP2540603 A3	20140507	EP20120173820	20120627
	EP2540603 B1	20160309	EP20120173820	20120627
	JP2013010422 A2	20130117	JP20110144363	20110629
	JP5593274 B2	20140917	JP20110144363	20110629

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** KUWANO HIDEKI ; UCHIDA ODAI ; HONDA MOTOR CO**Inventor(s):^(std):** KUWANO HIDEKI ; UCHIDA ODAI ; UCHIDA TAKEHIRO**Inventor(s):** UCHIDA ODAI SAITAMA ; KUWANO HIDEKI SAITAMA**Agent(s):** KOENIG SZYNKA TILMANN VON RENESSE PATENTANWALTE PARTNERSCHAFT
MBB; QUINTERNO GIUSEPPE; SUMIYOSHI KATSUHIKO**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**International class**
(IPC 8-9): [B60T1/06](#) [B60T11/16](#) [B62J15/00](#) [B62J15/04](#) [B62J37/00](#) [B62K11/04](#) [B62K11/10](#)
[B62K19/30](#) [B62L3/02](#) [B62L3/04](#) (Advanced/Invention)**CPC:** [B62K2202/00](#) [B62J15/00](#)**European class:** [B62J15/00](#) [L62K202/00](#)[Classification Explorer](#)**Cited documents:** US6170593 BA, US2006049006 AA, JP63105597 U1, JP63105597 U, JP63105597 U,
JP3253486 A2, JP3253485 A2, JP2009143564 A2, JP2009143564, JP2009067133 A2,
JP2007223521 A2, JP2007223521, JP2006069437 A2, JP200287364, JP2002087364 A2,
EP0270379 A2, CN1343600 A, CN101423098 A, CN100572184 C,**Forward Citations:** CN104843129,

Abstract:

Source: EP2540603A2 A motorcycle (10) includes a hydraulic brake (103) for braking a rear wheel (16). A frame side supporting portion (101) for supporting a hydraulic pipe (94) is provided on rear frames (34L, 34R) while a swing arm side supporting portion (102) for supporting the hydraulic pipe (94) is provided on a swing arm (26). The hydraulic pipe (94) includes a flexible tube (97) extending from the frame side supporting portion (101) to the swing arm side supporting portion (102). The flexible tube (97) is disposed in a curved state to the left side in a vehicle widthwise direction and is deflected to absorb, when a unit swing (22) is rocked upwardly and downwardly, the rocking motion of the unit swing (22).



69) Family number: 7461776 (JP3235772A)

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Title: FRONT WHEEL MUD GUARDING DEVICE FOR MOTORCYCLE**Priority:** JP19900031440 19900214

Family:	Publication number	Publication date	Application number	Application date
	<u>JP3235772 A2</u>	19911021	JP19900031440	19900214

Probable Assignee: SUZUKI MOTOR CO**Assignee(s):^(std):** SUZUKI MOTOR CO**Assignee(s):** SUZUKI MOTOR CORP**Inventor(s):^(std):** TAKAOKA ATSUSHI

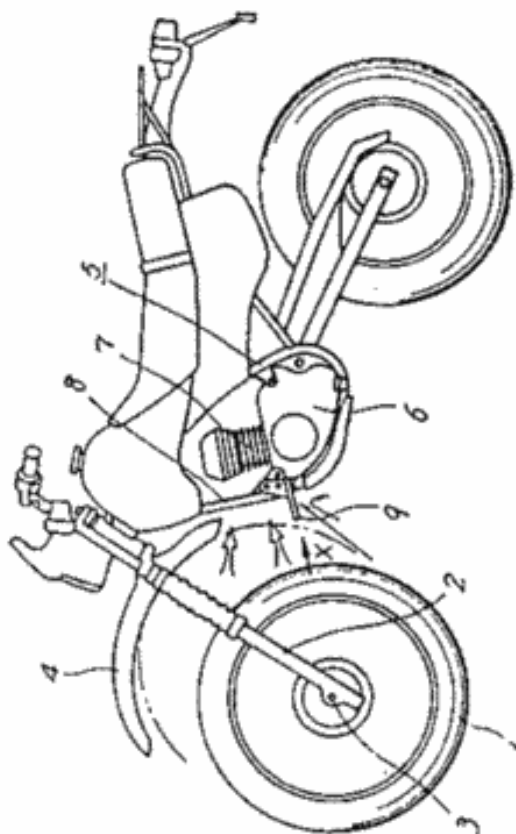
International class B62J15/00 (Advanced/Invention);
 (IPC 8-9): B62J15/00 (Core/Invention)

International class B62J15/00
 (IPC 1-7):

[Classification Explorer](#)**Abstract:**

Source: JP3235772A PURPOSE: To improve the cooling effect of a cylinder and to prevent adhesion of sludge to a cylinder by opening the front of the cylinder of an engine through reduction of the length of the rear side of a front mud guard and protruding a mud guard plate from a down tube part on the front side of the engine. CONSTITUTION: A front wheel 1 is rotatably supported to the lower end of a front fork 2 through an axle 3. A front mud guard 4 is formed in the shape of a chevron and molded in a shape to cover the upper side of the front wheel 1, and mounted in a manner that the front wheel 1 is prevented from collision during maximum cushion of the front fork 2. In this case, the rear side of the front wheel mud guard 4 is short and locked to a high position, and the front of a cylinder 7 of an engine 6 mounted on the lower front part of a frame 5 is opened. Meanwhile, a mud guard plate 9 is mounted in a state to be protruded frontward from a down tube 8 of the frame 5 on the front side of the engine 6. This constitution improves the cooling effect of the cylinder 7 by means of running air, and prevents adhesion of splashing sludge to the cylinder 7.

PatBase - JP3235772_A2



0) JP2000025671A – FRONT FENDER STRUCTURE OF SCOOTER-TYPE VEHICLE

70) Family number: 14905868 (JP2000025671A)

© PatBase

Title: FRONT FENDER STRUCTURE OF SCOOTER-TYPE VEHICLE

Priority: JP19980196363 19980710

Family:

Publication number	Publication date	Application number	Application date
CN1084273 C	20020508	CN19991010403	19990707
CN1244476 A	20000216	CN19991010403	19990707
IT1308792 B1	20020110	IT1999TO00586	19990707
ITTO990586 A1	20000110	IT1999TO00586	19990707
JP2000025671 A2	20000125	JP19980196363	19980710
JP4209501 B2	20090114	JP19980196363	19980710
TW414770 B	20001211	TW19990108680	19990526

Probable Assignee: HONDA MOTOR CO LTD

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

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

Inventor(s):^(std): KODAMA MAKOTO ; MIZUTA RIKI ; SATOYOSHI MIZUTA ; SHIN ODAMA

Inventor(s): MIZUTA SATOYOSHI ; ODAMA SHIN

International class
(IPC 8-9): [B62J15/00 B62J23/00](#) (Advanced/Invention);
[B62J15/00 B62J23/00](#) (Core/Invention);
[B62J](#) (Subclass/Invention)

International class
(IPC 1-7): [B62J15/00 B62J23/00](#)

[Classification Explorer](#)

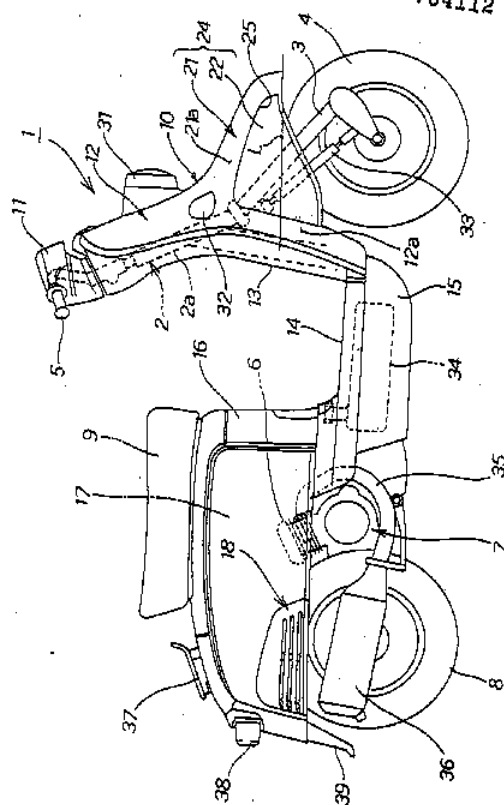
Cited documents: JP6302785, JP6283276, JP5977983, JP02279482,

Forward Citations: WO16052184, JP5486879, JP2011051483,

Abstract:

Source: JP2000025671A PROBLEM TO BE SOLVED: To facilitate replacement of a front fender, provide a front fender for facilitating maintenance and inspection around a steering, and reduce infiltration of slurry from a front cover or the front fender to the neighborhood of the front part of a car body. SOLUTION: This front fender structure of a scooter type vehicle is provided with a front cover 12 covering the front part of a car body 2 from a step floor 14 to the neighborhood of a handle 5, a center fender portion 21 integrally extending from a front cover to the above part of the front wheel 4, a right fender portion 22 mounted to the right surface 21a of the center fender portion and to the right surface 12a of the front cover, vertically of a horizontal line L passing through the tip of the center fender portion, and a left fender portion mounted to the left surface of the center fender portion and to the left surface of the front cover 12, vertically of the horizontal line L.

第1圖



71) Family number: 61434714 (JP2016016679A)

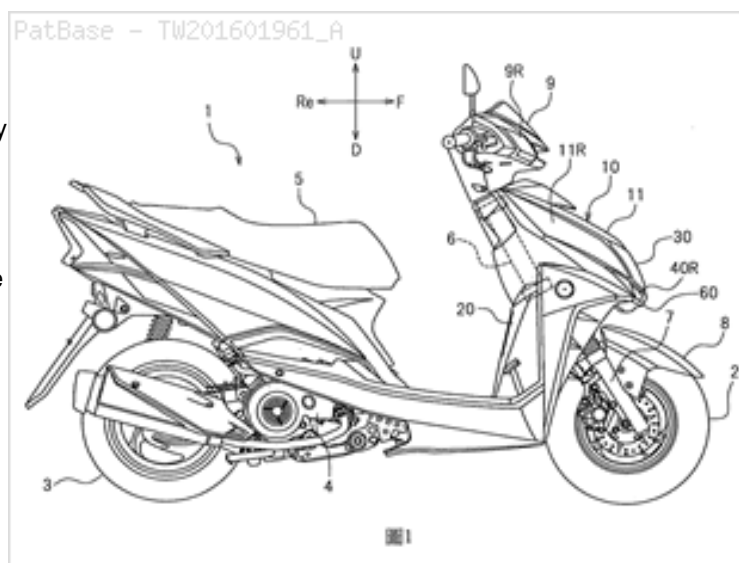
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Title: SADDLE-RIDING TYPE VEHICLE**Priority:** JP20140138361 20140704**Family:**

Publication number	Publication date	Application number	Application date
CN105270514 A	20160127	CN201510387893	20150703
JP2016016679 A2	20160201	JP20140138361	20140704
TW201601961 A	20160116	TW20150117501	20150529
TWI572512 B	20170301	TW20150117501	20150529

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD ; YAMAHA MOTOR CORP**Assignee(s):** YAMAHA ENGINE CO LTD ; YAMAHA HATSUDOKI KK**Inventor(s):^(std):** MURAKAMI HIROKO**Agent(s):** GOTOH TAKASHI**International class** [B62J15/00](#) [B62J23/00](#) [B62J6/00](#) [B62J6/02](#) [B62J6/20](#) [B62K11/10](#) (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Cited documents:** TWD160221, TWD159113, TWD156787, TWD153856, TWD151980,**Abstract:**

Source: JP2016016679A PROBLEM TO BE SOLVED: To provide a saddle-riding type vehicle which achieves compactification of a vehicle front part while securing discriminability of a headlight and a position light, secures rigidity of the vehicle front part, and inhibits mud scattering to the position light. SOLUTION: A motor cycle includes: a front cover 10; and an auxiliary cover 60 separately formed from the front cover 10. The auxiliary cover 60 includes: a left upper division part 62L which divides a headlight cover 52 from a left position light cover 52L; a right upper division part 62R which divides the headlight cover 52 from a right position light cover 52R; a center division part 63 which divides the left position light cover 52L from the right position light cover 52R; a left lower division part 65L located below a left hole 61L; and a right lower division part 65R positioned below a right hole 61R. SELECTED DRAWING: Figure 3



72) Family number: 4654708 (US4113043A)

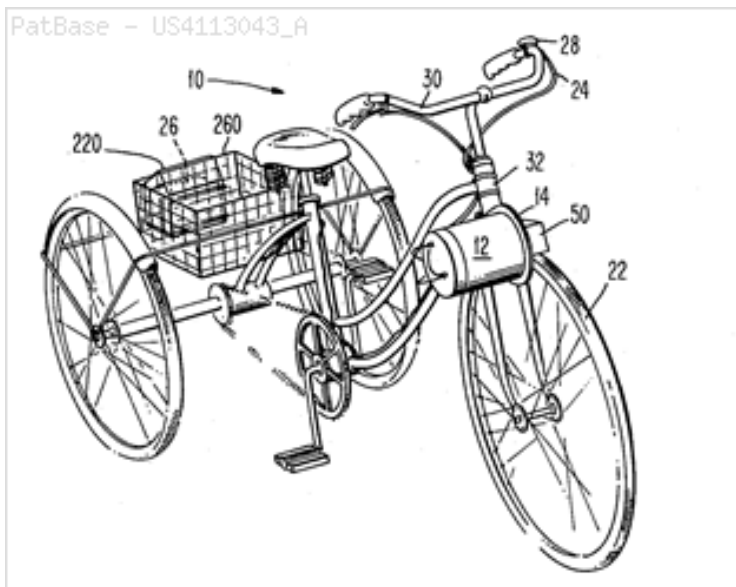
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Title: APPARATUS FOR DRIVING WHEELED VEHICLES**Priority:** US19740453554 19740321**Family:**

Publication number	Publication date	Application number	Application date
<u>GB1499933 A</u>	19780201	GB19750011611	19750320
<u>JP50132638 A2</u>	19751021	JP19750033467	19750319
<u>US4113043 A</u>	19780912	US19760721154	19760907

Probable Assignee: PALMER J**Assignee(s):**^(std) PALMER J ; PALMER JACK P**Inventor(s):**^(std) PALMER JACK P**International class** B62M6/75 ^{(IPC 8-9):} (Advanced/Invention)**International class** B60K17/30 B60K5/12 B62K11/00 B62M7/10 ^{(IPC 1-7):}**CPC:** B62K5/02 B62K5/027 B62M6/75**European class:** B62K5/02 B62K5/027 B62M23/02B B62M6/75**US class:** 180/221 180/222 180/33A 224/424 224/426 224/433 248/218.4 280/288.4[Classification Explorer](#)**Cited documents:** US627066 A, US3827519 A, US3759339 A, US3431994 A, US3110507 A, US1485067 A, NL72385 C, IT379324 A, GB654325 A, GB191315030 A, FR993378 A, FR805974 A, DK53604 C, CH443948 A, CH215270 A, AU267224 A1,**Forward Citations:** WO9515276, WO8700500, US8091656, US8047320, US7779941, US6531838, US5980431, US5816355, US5799747, US4917396, US4856364, US4821832, US4386675, US2010276219, US2010117327, US2007251464, US2004016129, US2003071439, GB2155872, FR2585320, EP0729421, DE4443014, DE4443014, DE3831629, DE3736486, DE19633345, DE19633345, CN103009985, CN102239081, AU2009313483,**Abstract:**

Source: US4113043A A two or more wheeled vehicle is driven by a DC electric motor having its output shaft connected to a frictional drive member which bears on the circumference of a driven wheel. The drive motor is face or flange mounted on mounting bracket which is constructed of a metal stamping or an integral combination of two stampings. The mounting bracket may take any one of several forms, depending upon whether or not it is desired to hold the power source in addition to the drive motor. In one form, the mounting bracket is adapted to hold a source of power for the motor such as a storage battery. The drive mechanism is adapted to permit the vehicle to be either motor driven or human driven or both in combination. The mounting of the drive mechanism requires no modifications to the vehicle frame and uses the caliper brake bolt as a precise locator to insure universal adaptability of the drive mechanism to any vehicle having such a caliper brake bolt.



0) JP2013220666A – VEHICULAR THROTTLE DEVICE

73) Family number: 55104990 (JP2013220666A)

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Title: VEHICULAR THROTTLE DEVICE

Priority: JP20120091315 20120412

Family:	Publication number	Publication date	Application number	Application date
	<u>CN103373421 A</u>	20131030	CN201310119668	20130408
	<u>IN01023DE2013 A</u>	20150206	IN2013DE01023	20130405
	<u>JP2013220666 A2</u>	20131028	JP20120091315	20120412
	<u>JP6062650 B2</u>	20170118	JP20120091315	20120412

Probable Assignee: SUZUKI MOTOR CORP

Assignee(s):^(std): SUZUKI CO LTD ; SUZUKI MOTOR CO ; SUZUKI MOTOR CORP

Assignee(s): SUZUKI KK

Inventor(s):^(std): TANAKA KOICHI

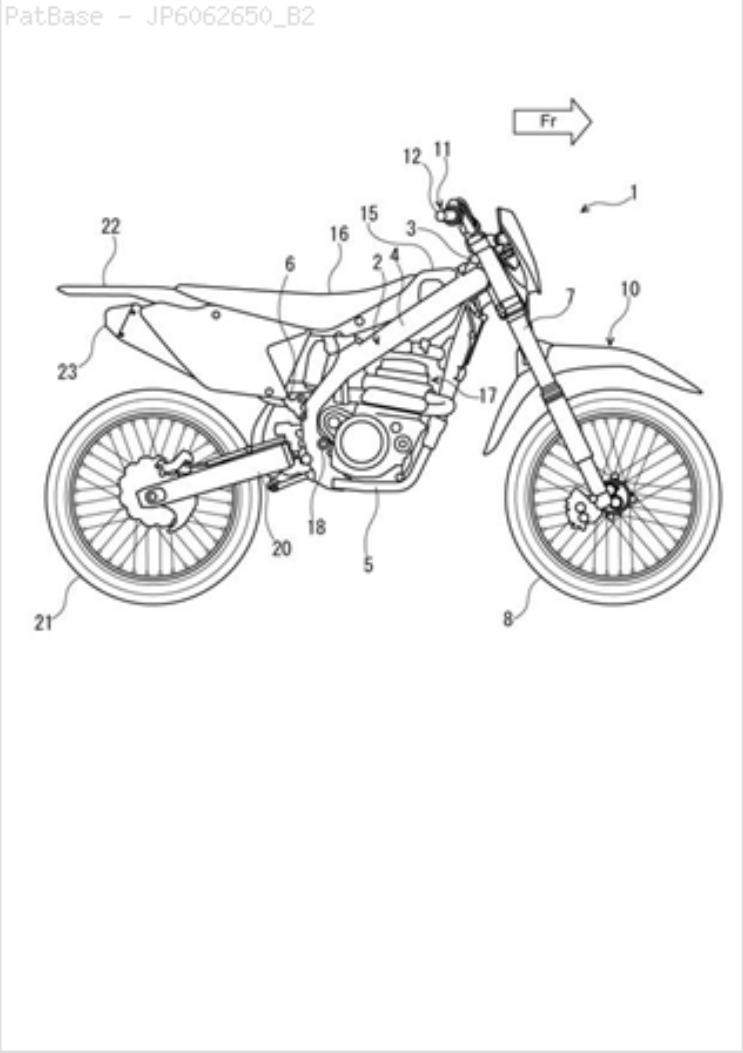
International class [B62J15/00 B62J23/00 B62J99/00 F02D](#) ^(Advanced/Invention)
(IPC 8-9)

[Classification Explorer](#)

Cited documents: US2011315467 AA, JP6090502 A2, JP201251443, JP201206494, JP2012051443 A2, JP2012051443, JP2012006494 A2, JP2012006494, CN2705611 Y, CN1740550 A, CN1445133 A, CN101947997 A, CN101947996 A,

Abstract:

Source: JP2013220666A PROBLEM TO BE SOLVED: To reliably protect an accelerator position sensor from soil and pebbles thrown up by a front wheel.SOLUTION: A vehicular throttle device includes a throttle grip provided on a handlebar, an accelerator position sensor 26 connected to the throttle grip via a throttle cable 50 for detecting the operation amount of the throttle grip, and a front fender 10 arranged above a front wheel 8. The accelerator position sensor 26 is provided along the upper face of the front fender 10.



74) Family number: 630619 (BRPI8401943A)

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Title: CONJUNTO MECANICO NAVAL NAVAL MECHANIC SET (Machine translation)**Priority:** BR1984PI01943 19840423

Family:	Publication number	Publication date	Application number	Application date
	BRPI8401943 A	19851126	BR1984PI01943	19840423

Probable Assignee: PAULO DA SILVA FIGUEIRA**Assignee(s):^(std):** PAULO DA SILVA FIGUEIRA**Inventor(s):^(std):** FIGUEIRA PAULO DA SILVA ; PAULO DA SILVA FIGUEIRA

International class B63B35/00 (Advanced/Invention);
 (IPC 8-9): B63B35/00 (Core/Invention)

International class B63B35/00
 (IPC 1-7):

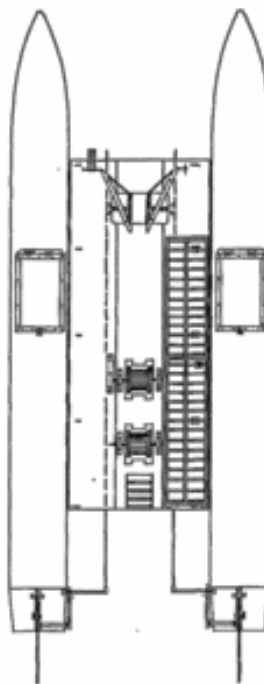
[Classification Explorer](#)**Abstract:**

Source: BRPI8401943A = i-) |" v i v i u i-v o l:-, ss,j i ti fHl • | « ss ««./: ss • ss • «• | #ss«ss « « ss|** « ss – H B S U Bfi 0 – 11 Patente de Invencao – Conjunto Mecanico Naval 11 refere-se o presente invento a elaboracao de um Conjunto Mecanico Naval, o qual acoplado sobre um barco tipo Catamaran, possibilita a utilizacao de qualquer tipo de Motocicleta a locomoveis-se sobre a agua, em substituicao aos tradicionais motores de popa, dando ao conjunto dai formado (2) tracao, flutuabilidade e dirigibilidade. O setor teo nioo ao qual se refere e o Nautico, Optou-se obter a tracao pela roda motriz da motocicleta, a partir do apoio da mesma sobre um par de roletes chanfrados (3) que dao continuidade ao giro do motor, por interligaremse a uma caixa de engrenagens (9) que efetua as marchas la-N-Ee, transmitidas ao eixo movel e regulavel do helice. A dirigibilidade foi obtida pela colocacao de apoio movel e regulavel (32) a roda dianteira da motocicleta, o qual atravez da interligacao com dispositivos que transformam o movimento curvilineo do guidon em retilineo (39) movimentam os lemes tambem moveis e articulados independentes na direcao em que se pretenda dirigir o Conjunto Naval. Quanto a flutuabilidade, utilizou-se um par de cascos moldados em fibra de vidro, interligados por ferragens desmontaveis e fixadas a cavernas estanques e totalmente preenchidas com Isopor macico, contendo tambem compartimentos estanques com tampas utilizaveis como porta-objetos, onde alojam-se as rodas desmontaveis e independentes que | « r... r«ss< L • • It • | ' I MM | #: • • ss j ** «. :": e | transformam o Catamaran em reboque. Poram idealizados diversos modelos com e sem cambio (IA – H – Be } alem da / tracao ser a helice e ou... roda-pa (26 – 27) tambem / com e sem cambio pela utilizacao de reversao obtida na / 5 propria correia dentada (29 – 30 31) que a movimentam. Passivel de utilizacao com vela, motor estacionario, popa balsa de sondagens e tambem utilizavel a noite pelo aproveitamento da energia eletrica da motocicleta. = i-) |" v i v i u "i-v the l:-, ss, j i ti fHl • | «ss ««./: ss • ss • • | # ss «ss«ss... ss ss ' ss-H B S U Bfi 0-11 patent of Invention-Set Naval Mechanic

PatBase – BRPI8401943_A

28401943

FIG. 1



11 refers to the present invention the elaboration of a set Mecani-co, which docked on a boat Catamaran type, enables the use of any type of motorcycle, the locomoveis on the water in replacement to traditional Hat outboard motors, giving the set dai formed (2) draughts, buoyancy and drivability. teo nioo sector 0 to which it refers and Nautico, we decided to get the draughts for the driving wheel of the motorcycle, from the support of the same on a pair of rol et es chamfered (3) that dao continued the motor rotating, the interligaremse gearbox (9) that the marches la-N-Ee, transmitted to the mobile and adjustable axis of the helix. The handling was obtained by the placement of support mobile and adjustable (32) the front wheel of the motorcycle, which through the interligacao with devices that transform the motion of curvilíneo guidon in retilíneo (39) moved by the rudders also furniture and articulated in the direction in which you want to direct the Naval Set. About buoyancy, a pair of hooves mol data in fiberglass, interconnected by des-mountable hardware and attached to watertight and fully pre caves filled with styrofoam, ceramic, containing also compartimen-tos with watertight covers usable as objects, where bed-if the compression unions and independent wheels that | «r... r ' ss < L • • It • | ' I MM i: #. • • ss j **• «. : ": and... turn the Catamaran in tow. Idealized Poram di-verse models with and without change (IA-H-Be} besides the/draughts be the helice and or... wheel-pa (26-27) also/with and without change by the use of reverse thrust obtained on 5/prepria toothed belt (29-30 31) that the moves. liable to use with sailing, motor, outboard estacionario ferry from polls and also utilizavel the night by apro-energy electric motorcycle veitamento.

0) JP2015143088A – SADDLE-RIDING TYPE VEHICLE INCLUDING REAR GRIP

75) Family number: 60163001 (JP2015143088A)

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Title: SADDLE-RIDING TYPE VEHICLE INCLUDING REAR GRIP

Priority: JP20130269985 20131226 JP20140216297 20141023

Family:	Publication number	Publication date	Application number	Application date
	<u>BR102014032543 A2</u>	20150915	BR20141032543	20141223
	<u>JP2015143088 A2</u>	20150806	JP20140216297	20141023

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): MIURA SHOHEI ; NAGATA MASATO ; SEIJI TATSUYA ; TAKENAKA HIROSHI ; WAKITA NOBUTAKA ; WAKITA NORITAKA

Inventor(s): TATSUYA SEIJI ; SHOHEI MIURA ; NOBUTAKA WAKITA ; HIROSHI TAKENAKA ; MASATO NAGATA

Agent(s): SUMIYOSHI KATSUHIKO

International class B62J1/28 B62J15/00 B62J23/00 B62J99/00 (Advanced/Invention)
(IPC 8-9):

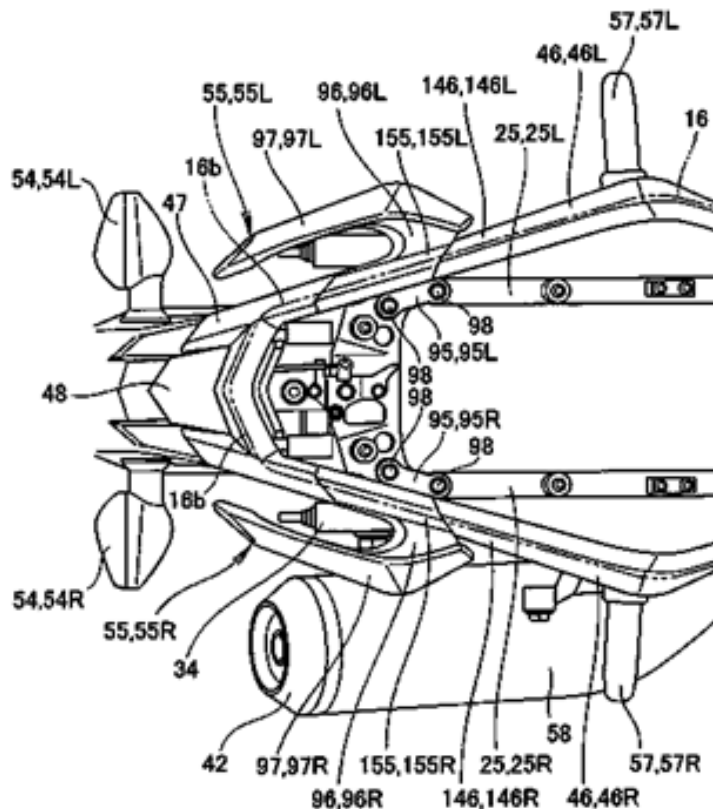
CPC: B62J1/28

[Classification Explorer](#)

Abstract:

Source: JP2015143088A PROBLEM TO BE SOLVED: To provide a technology that improves the workability relating to attachment/detachment of a side cover and further simplifies a structure of the side cover in a saddle-riding type vehicle including a rear grip having a decorative surface that continues into the side cover. SOLUTION: A motor cycle includes a side cover 46 and a rear grip 55 which is disposed at the lateral side of a seat 16. The rear grip 55 includes: an installation seat 95; an extension part 96 extending from the installation seat 95 and having a rear grip decorative surface 155 which continues into an appearance surface 146 of the side cover 46; and a grip part 97 extending from the extension part 96. The rear grip decorative surface 155 is disposed at the rear side relative to a rear end of the side cover 46.

PatBase - JP2015143088_A2



76) Family number: 37053483 (GB191424434A)

© PatBase

Title: Improvements in or relating to Bicycles Pushers or Motor Attachments.**Priority:** 19141221

Family:	Publication number	Publication date	Application number	Application date
	<u>GB191424434 A</u>	19151221		00000000

Probable Assignee: DICKER STANLEY GORDON SINCLAIR**Assignee(s):^(std):** DICKER STANLEY GORDON SINCLAIR**Assignee(s):** STANLEY GORDON SINCLAIR DICKER**Inventor(s):^(std):** DICKER STANLEY GORDON SINCLAIR**Inventor(s):** STANLEY GORDON SINCLAIR DICKER**International class** B62M7/14 (Advanced/Invention);
(IPC 8-9): B62M7/00 (Core/Invention)**CPC:** B62M7/14**European class:** B62M7/14[Classification Explorer](#)**Abstract:**

Source: GB191424434A 24,434. Dicker, S. G.

S., [Smith Co., A. O Dec. 21. Cycle tractor

attachments.—Motor attachments for bicycles

consist of a stamped dished wheel having

radial ribs, on the axle of which is mounted the

motor, so arranged that it is directly above the

tread of the tyre. The motor or pusher

attachment is connected to the bicycle by

means of a three-point connexion terminating

in a double pivot, which permits the motor

attachment to swing vertically and sideways,

spring devices being provided to limit the latter

movement. The motor frame is provided with

extensions which carry a mud-guard, on which

the fuel tank is mounted. The axle and crank

shaft are provided with conical ends, which

serve for connexion with the pusher wheel and

fly-wheel, and form bearing-surfaces upon

which the bearing-rollers ride. The pusher is attached

to the bicycle by means of a bar 89, Fig. 1, connected to

the rear axle and clamped at 88 to the frame. The bar 89 carries a bracket 90, through which passes a bar 91

having its upper end clamped to the frame at 92. The bar 91 is reduced at its lower end to receive a hollow vertical

member 94 of a casting having an horizontal hollow member, to which the forward end of the arm 74 on the motor

casing is connected by a bolt 98. By these means, the pusher is permitted to rock vertically and sideways. Springs

101 limit the latter movement. The crank-shaft 35, Fig. 5, and wheel axle 28, which is also the cam shaft, have

coned ends and are mounted in roller bearings in cover-plates 30, 31, each shaft having an adjustable and fixed

bearing. The bearings consist of rollers 33 mounted in cages 34 and bearing on the coned ends of the shafts, and

coned rings 32 the adjustable coned rings are provided with lock-nuts 38 serving as housings for felt oil rings or

washers 39. The crank-shaft and wheel axle are geared in the ratio 1:8, and are fixed to a fly-wheel 36 and the

dished pusher wheel 20 respectively. The usual inlet and exhaust valves are fitted. The inlet valve is closed by a

spring and is opened by the suction in the cylinder. The exhaust valve 47, Fig. 6, is closed by a spring 55

surrounding its stem 52, a stamped spacer 56 between the spring and the stem being provided to keep the spring

cool. The lower end of the stem is actuated by a plunger 57 operated by a four-toothed cam on the shaft 28. The

carburettor is bolted to the valve casing and is provided with a piston throttle valve 60, held open by a spring 61

and controlled from the handle-bar by a wire 62. The wire passes through the carburettor, and is provided with a

collar 67 and passes through a lever 64, the end of which projects between the plunger 57 and valve-rod 52.

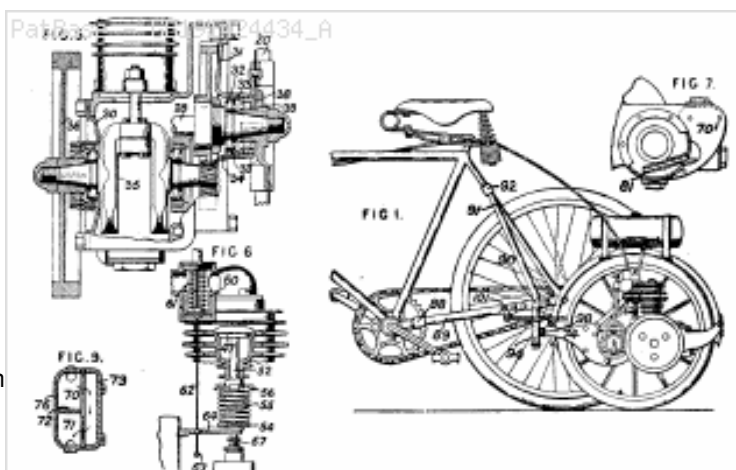
These connexions facilitate starting by ensuring that, when the throttle valve is closed, the exhaust is open. The

engine frame is provided with front and rear extensions. The front extension, forming an exhaust-silencer, is

divided by a plate 72, Fig. 9. to form two chambers 70, 71, and a perforated plate 76 is secured by a dished plate

73. The exhaust passes in the direction of the arrows. The rear projection 70', Fig. 7, forms an oil reservoir of the

bird-fountain type, the oil running through a channel 81 to the crank case.



77) Family number: 42529749 (JP2008254722A)

© PatBase

Title: REAR VEHICLE BODY COVER STRUCTURE OF MOTORCYCLE**Priority:** CN200710090361 20070406**Family:**

Publication number	Publication date	Application number	Application date
CN101279628 A	20081008	CN200710090361	20070406
CN101279628 B	20110921	CN200710090361	20070406
JP2008254722 A2	20081023	JP20070205558	20070807

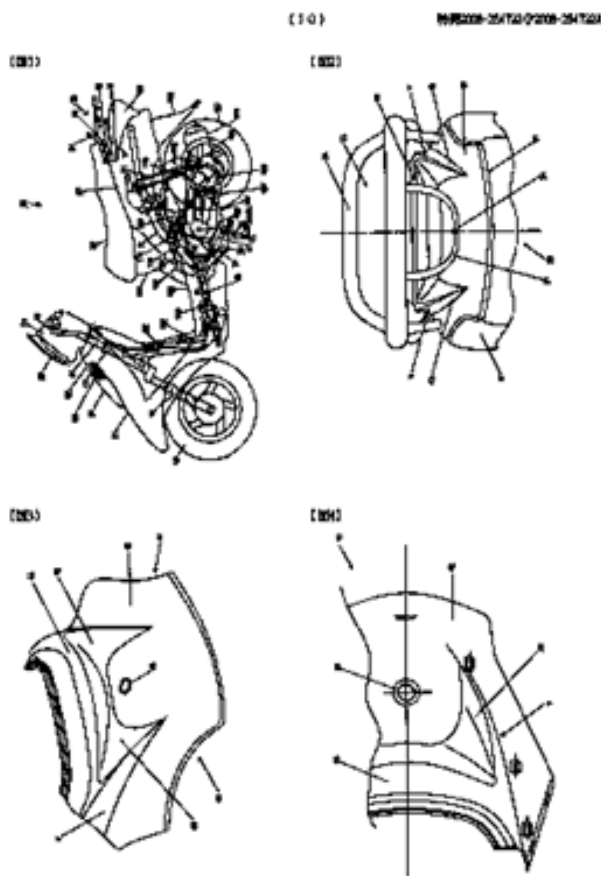
Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** HONDA MOTOR COMPANY LIMITED ; HONDA GIKEN KOGYO K K**Inventor(s):**^(std): SHIE YU SHEN ; YUXIAN XIE**Inventor(s):** XIE YUXIAN

International class [B62J23/00](#) [B62J7/04](#) (Advanced/Invention);
 (IPC 8-9): [B62J23/00](#) [B62J7/00](#) (Core/Invention)

[Classification Explorer](#)**Abstract:**

Source: JP2008254722A PROBLEM TO BE SOLVED: To provide a rear vehicle body cover structure of a motorcycle, preventing water from running down along the vehicle body side, from flowing to the vehicle body side, and from splashing on an operator (driver) when the operator (driver) walks the motorcycle or drives. SOLUTION: The rear vehicle body cover structure 41 of the motorcycle has an upper surface 42 covering the lower part of a seat to be seated by the operator or the rear of the vehicle, and facing at least upward. When the upper surface 42 is viewed from the rear of the vehicle, the vicinity of the middle part is curved upwardly convex in the body width direction. Guide means 43, 43 is provided to guide water to the upper part 42 of the vehicle body cover 41 extending in the longitudinal direction of the vehicle.

PatBase - JP2008254722_A2



0) FR2784059A – AIR CLEANING DEVICE FOR TWO–WHEELED MOTOR VEHIC...

78) Family number: 13790199 (FR2784059A)

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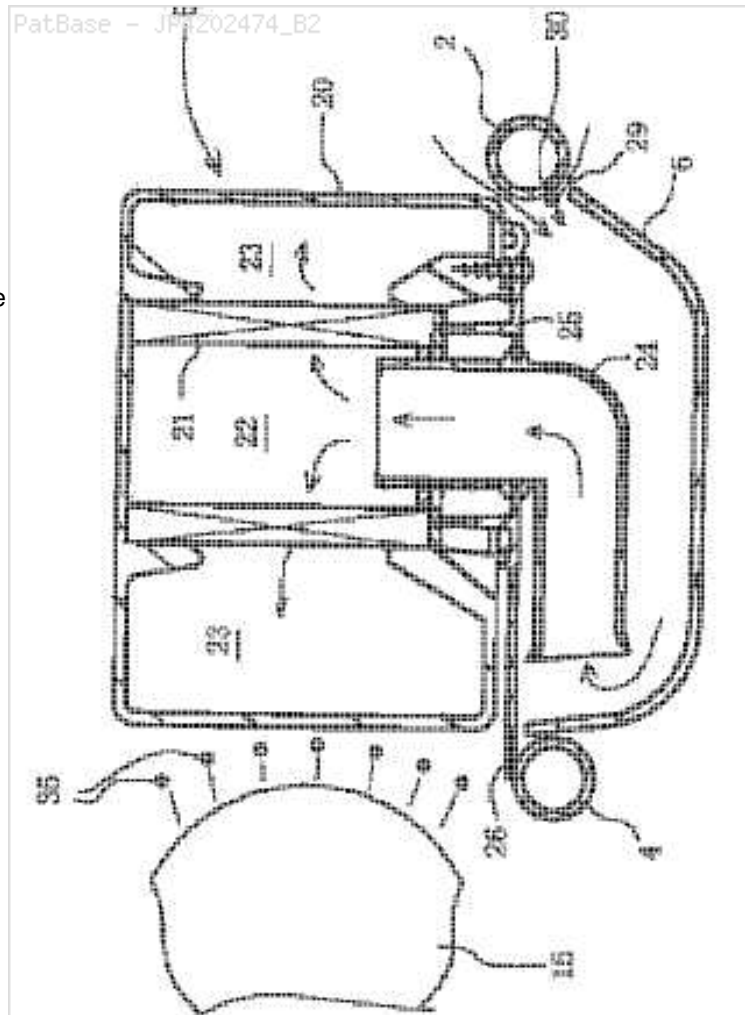
Title: AIR CLEANING DEVICE FOR TWO–WHEELED MOTOR VEHICLE
Priority: JP19980258986 19980911 JP19980898698 19980911 JP19980898698 19980911
Family:

Publication number	Publication date	Application number	Application date
BRPI9904155 A	20000912	BR1999PI04155	19990909
FR2784059 A1	20000407	FR19990011363	19990910
FR2784059 B1	20030530	FR19990011363	19990910
JP2000085665 A2	20000328	JP19980258986	19980911
JP4202474 B1	20081224	JP19980258986	19980911
JP4202474 B2	20081224	JP19980258986	19980911

Probable Assignee: HONDA MOTOR CO LTD
Assignee(s):^(std): HONDA GIRKN KOGYO KABUSHIKI KA ; HONDA MOTOR CO LTD
Assignee(s): HONDA GIRKN KOGYO KABUSHIKI KAISHA HONDA MOTOR CO LTD ; HONDA GIRKN KOGYO KABUSHIKI KAISHA (HONDA... ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK
Inventor(s):^(std): HIRAO NAOHISA ; HIRAO NAOSHIS ; ISHIHARA SATOSHI
Inventor(s): NAOHISA HIRAO ; NAOSHISA HIRAO ; SATOSHI ISHIHARA
Agent(s): BREVALEX
International class
(IPC 8–9): [B62J99/00 B62K11/04 F02M35/16](#) (Advanced/Invention) ;
[B62J99/00 B62K11/00 F02M35/00](#) (Core/Invention)
International class
(IPC 1–7): [B60K13/02 B62J39/00 B62K11/00](#)
CPC: [B62K11/04 F02M35/02 F02M35/162](#)
European class: [B62K11/04 F02M35/16C R02M35/02](#)
[Classification Explorer](#)
Cited documents: US4535746 A, US4402379 A, JP56035422 A2, JP5321781,

Abstract:

A portion of an air cleaning case cover (25) which covers the opening of an air cleaner case (20) and to which a suction duct (24) is mounted, is extended backwards beyond the edge of the opening. The portion of the air cleaning case is used as the shield portion of the suction duct to prevent water and mud in the rear wheel (15) of the vehicle from entering. An air cleaner (5) is installed laterally on one side of the vehicle body at the front part of the rear wheel. A rear fender covers the upper half part of the rear wheel.



0) US3724582A – MOTORCYCLE CHAIN GUARD

79) Family number: 24052387 (US3724582A)

© PatBase

Title: MOTORCYCLE CHAIN GUARD

Priority: US19710190252 19711018 US19730350511 19730412

Family:	Publication number	Publication date	Application number	Application date
	US3724582 A	19730403	US19710190252	19711018
	USRE28335 E	19750211	US19730350511	19730412

Probable Assignee: WOOD G

Assignee(s):^(std): WOOD G

Assignee(s): WOOD G US

Inventor(s):^(std): WOOD G

Inventor(s): WOOD G US

International class
(IPC 8-9): [B62J13/04](#) (Advanced/Invention);
[B62J13/00](#) (Core/Invention)

International class
(IPC 1-7): [B62J13/00](#) [B62J13/04](#)

CPC: [B62J13/04](#)

European class: [B62J13/04](#)

US class: [180/219](#) [184/15.1](#) [280/261](#) [280/304.3](#) [474/144](#)

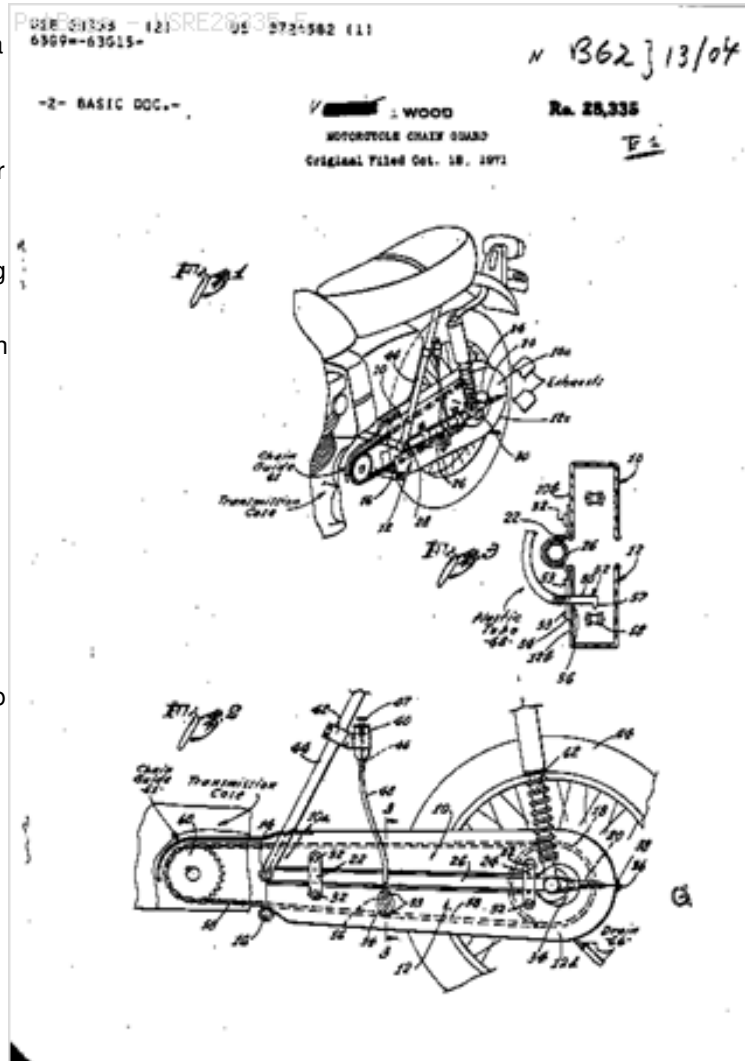
[Classification Explorer](#)

Cited documents: US659235 A, US531254 A, US3631936 A, US3012632 A, US2029079 A, US1301258 A, IT289984 A, IT289984 A, GB794211 A, GB525849 A, DE175045 A,

Forward Citations: US9469375, US8950539, US8919483, US8701837, US7951031, US5647456, US5595262, US5445568, US4993508, US4967867, US4891037, US4733741, US4488346, US4366880, US4120380, US2015259030, US2015133247, US2013168172, US2008277181, US2008139355, US2008026893, US2007296378, US2002108798, JP5853433, JP2013006435, FR2709466, FR2609958, DE4430375,

Abstract:

Source: US3724582A An oil splash cover for a motorcycle which comprises an elongated U-shaped upper housing section and a similarly configured inverted lower housing section spaced from each other along most of their lengths by brackets, and brought together and bolted at their trailing ends. The forward ends of the thus-held housing sections rest upon motorcycle frame members and the brackets securing the upper and lower housing sections in their spaced relationship are looped and fitted around a swinging arm for the cycle's rear wheel to support the housing in relation to said arm. A chain guide is mounted at a forward position to guide a broken end of the chain around a front sprocket. The two housing sections are configured along their edges adjacent the rear wheel axle to provide a larger opening. The lower housing section is further orificed to receive the end of an oiler tube and to locate said end above the lower portion of the chain loop to drip oil on the chain. The tube extends upwardly to an oil reservoir disposed below the motorcycle seat or on top chain cover, the reservoir being provided with a manual valve means to regulate the oil drips through the tube and onto the chain. An oil drip drain is also provided at the trailing end of the rear section.

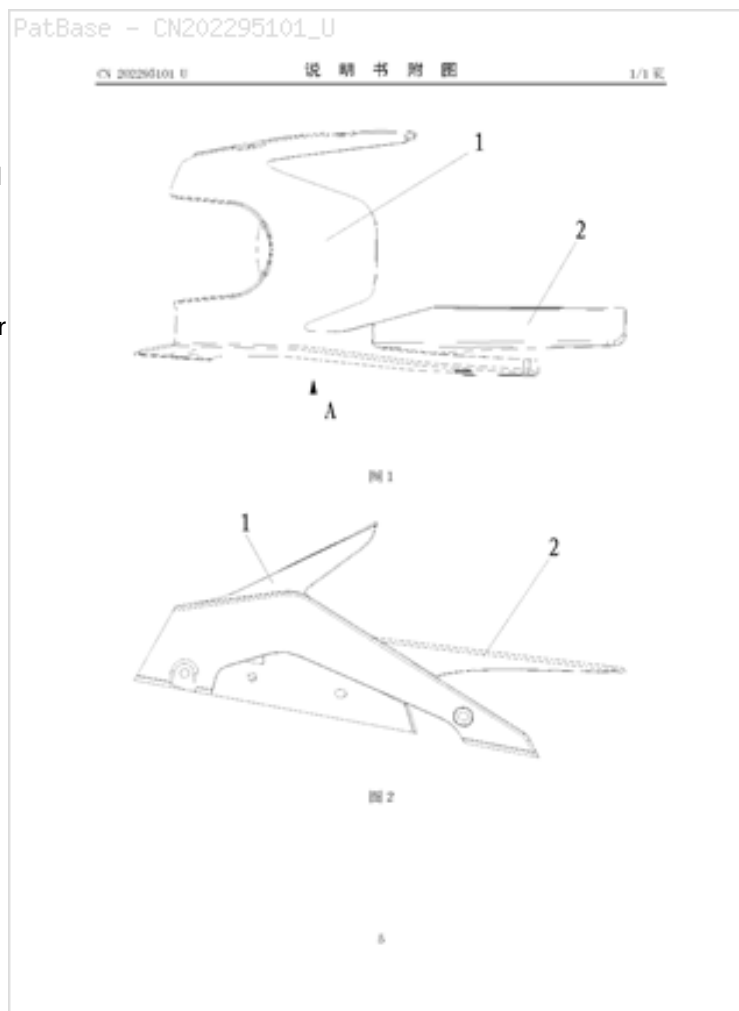


Title: Integrated mud guard assembly of motorcycle**Priority:** CN201120405752U 20111021

Family:	Publication number	Publication date	Application number	Application date
	CN202295101 U	20120704	CN201120405752U	20111021

Probable Assignee: CHONGQING NEW FEELING MOTORCYCLE CO LTD**Assignee(s):**^(std): CHONGQING NEW FEELING MOTORCYCLE CO LTD**Assignee(s):** CHONGQING NEW FEELING MOTORCYCLE CO**Inventor(s):**^(std): HUAMING LEI ; XINGHAI ZHANG**Inventor(s):** ZHANG XINGHAI ; LEI HUAMING**International class** B62J15/04 (Advanced/Invention)
(IPC 8-9).[Classification Explorer](#)**Forward Citations:** CN102941896,**Abstract:**

Source: CN202295101U The utility model discloses an integrated mud guard assembly of a motorcycle. The integrated mud guard assembly comprises a rear wheel front mud guard and a chain protection cover which is integrally formed with the rear wheel front mud guard. By integrally making the rear wheel front mud guard and the chain protection cover, the protection effect which satisfies the requirement is obtained and the making efficiency is high; and since the rear wheel front mud guard and the chain protection cover are integrally formed, certain strength can be increased on the original basis, the installation points are properly reduced, the complexity in assembling and disassembling is reduced, the difficulty in the assembling, the maintenance and the repair of the motorcycle is reduced and the use cost is decreased.



0) JP5254469A – FRONT FENDER MOUNTING STRUCTURE OF MOTORCYCLE

81) Family number: 10499907 (JP5254469A)

© PatBase

Title: FRONT FENDER MOUNTING STRUCTURE OF MOTORCYCLE

Priority: JP19920086326 19920310

Family:	Publication number	Publication date	Application number	Application date
	JP3385423 B2	20030310	JP19920086326	19920310
	JP5254469 A2	19931005	JP19920086326	19920310

Probable Assignee: YAMAHA HATSUDOKI KABUSHIKI KAISHA

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA

International class [B62J15/00 B62J15/02](#) (Advanced/Invention)
(IPC 8-9):

International class [B62J15/00 B62J15/02](#)
(IPC 1-7):

CPC: [B62J15/00](#)

European class: [B62J15/00](#)

[Classification Explorer](#)

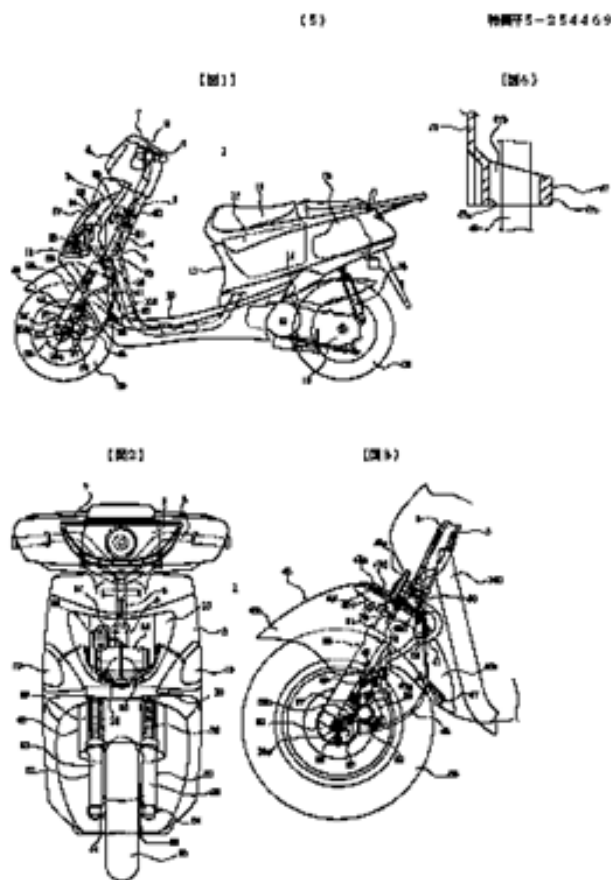
Forward Citations: TWI557017, JP2010083379, EP2610113, EP2077218, CN103183073, CN102785728, CN102785728,

Abstract:

Source: JP5254469A PURPOSE:To facilitate exchange of a front fender and to sufficiently cope with sealing ability for splashing of water and mud owing to rotation of a front wheel and also cope with arrangement of a brake hose and wiring of a meter cable.

CONSTITUTION:A pair of right and left front forks 31 are supported on a steering shaft 5. The axle of a front wheel 35 is supported to an axle support part 33a formed to the lower part of the front fork 31, and also a front fender 46 with which the upper part of the front wheel is covered is removably mounted to the front fork 31, and a pair of through-holes 48 through which the front fork 31 can be inserted are formed in the front fender 46. The through-hole 48 is expanded internally and frontward in relation to the front fork 31, and a gap between the through-holes 48 and the front fork 31 is closed with a cover member 49.

PatBase - JP5254469_A2



Title: FRONT FENDER FOR MOTORCYCLE

Priority: JP19900179478 19900709

Family:

Publication number	Publication date	Application number	Application date
<u>JP3015960 B2</u>	20000306	JP19900179478	19900709
JP4066380 A2	19920302	JP19900179478	19900709

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Inventor(s):(std): IWANAGA SADAMU

International class (IPC 8-9): B62J15/00 (Advanced/Invention);
B62J15/00 (Core/Invention)

International class B62J15/00
(IPC 1-7).

Classification Explorer

Forward Citations: WO11004663, JP2014141200, JP2013035311, JP2011016500, CN102470908.

Abstract:

Source: JP4066380A PURPOSE: To prevent mud or the like splashed by a front wheel from being adhered to an inner cylinder by providing a front fender body integrally with a partition board facing between the inner cylinder and front wheel, and also fitting a front board for covering the front side of the inner cylinder. CONSTITUTION: A front fender 10 is formed of a fender body 11 disposed between the right and left outer cylinders 8 of a front fork 6, above a tire 2, and inner cylinder covers 12 fitted to both right and left side parts of the fender body 11. The fender body 11 is integrally formed of synthetic resin and provided with a mud guard part 11a extended longitudinally along the peripheral direction of the tire 2a, and a lateral pair of partition boards 11b extended from both right and left side parts of the mud guard part 11a downward along an inner cylinder 9. The inner cylinder cover 12 is integrally formed of synthetic resin and provided with a front board 16 formed longitudinally along the longitudinal direction of the front fork 6, and an upper board 17 provided at the upper part of the front board 16.

慮させておられると、我が国をプロパガンダ
ーとしての立場に陥れて呉れやうと企ててお
られる。

〔兎野の解説〕

以上の説明は、兎野に於ける政治思想の輪廓を把握するに役立つものではあるが、その政治思想の中心を明らかにするに足らない。兎野の政治思想の中心を明らかにするには、兎野の政治思想の中心を明らかにする必要がある。兎野の政治思想の中心を明らかにするには、兎野の政治思想の中心を明らかにする必要がある。兎野の政治思想の中心を明らかにするには、兎野の政治思想の中心を明らかにする必要がある。

計第4-86389(4)

為的かつアンプで直接増幅されて輸出されることによつて、オプティムアンプとアンプ増幅器の間の電気的接続を固める必要がなくなるから。オプティムアンプの一種の型化を認めることができる。したがつて、本発明によれば、小型であるとしても比較的簡単な構造よりなる高周波用マイクロオプティムアンプを得ることが出来る。このため、マイクロオプティムアンプと同一構造と異なる構造の複数個部分で、マイクロオプティムアンプを単独の増幅器として用いることができるようにして、それらを用いてより正確に、また、容易に増幅される周波数のマイクロオプティムアンプと異なる構造にして異なる機能を付与することが出来る。このため、周波数が互いに異なる複数の増幅器の増幅をマイクロオプティムアンプで増幅する異なる周波数として、より正確な増幅が達成されることとなる。

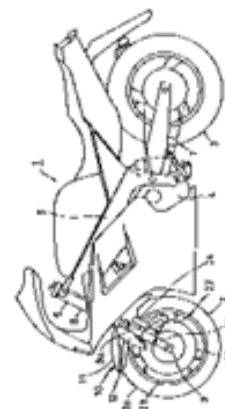
4. 國際金融學發展趨勢

案) 国は憲法第96条第2項第2号の「ロ」に「フ
ンダー」を記述した自治体法第2条第1項第2号
は、国に於ける「フンダー」の地位を拡大
して自治体法第2条第1項第2号に「フンダー」

は前にも平岡四、第五國策論主眼に於けるア—ヤ
國策論、第六國策論主眼に於けるア—ヤ國策論、
第七國策論主眼に於けるア—ヤ國策論である。

[illegible]

代表取締役	代表取締役
代表取締役	代表取締役



83) Family number: 37025074 (GB191301949A)

Title: A New Cycle Car.

Family:

Publication number	Publication date	Application number	Application date
GB191301949 A	19140126		00000000

Assignee(s):^(std) VERITY CLAUDE HAMILTON

Inventor(s):^(std) VERITY CLAUDE HAMILTON

Inventor(s): CLAUDE HAMILTON VERITY

CPC: B62D61/08

European class: B62D61/08

Forward Citations: US4221276,

Source: GB191301949A 1949. Verity, C. H. Jan. 24. [Cognate Applications, 2518/13, 3787/13, 6708/13, and 11,149/13.] Gear cases and the like. – In a threewheeled vehicle resembling a motor-cycle and side-car combination of the kind in which the driver sits in the sidecar, the motor is protected by the rear-wheel mud-guard T, a hinged guard E<1>, and the under shield M<1>.



0) CN205554430U – CHILD'S TRICYCLE TURNS TO STRUCTURE

84) Family number: 63504289 (CN205554430U)

© PatBase

Title: CHILD'S TRICYCLE TURNS TO STRUCTURE

Priority: CN201620303067U 20160412

Family:	Publication number	Publication date	Application number	Application date
	<u>CN205554430 U</u>	20160907	CN201620303067U	20160412

Probable Assignee: NINGBO CHUANLANG IND CO LTD

Assignee(s):^(std): NINGBO CHUANLANG IND CO LTD

Assignee(s): NINGBO CHUANLANG INDUSTRIAL CO ; NINGBO CHUAN LONG INDUSTRIAL CO LTD

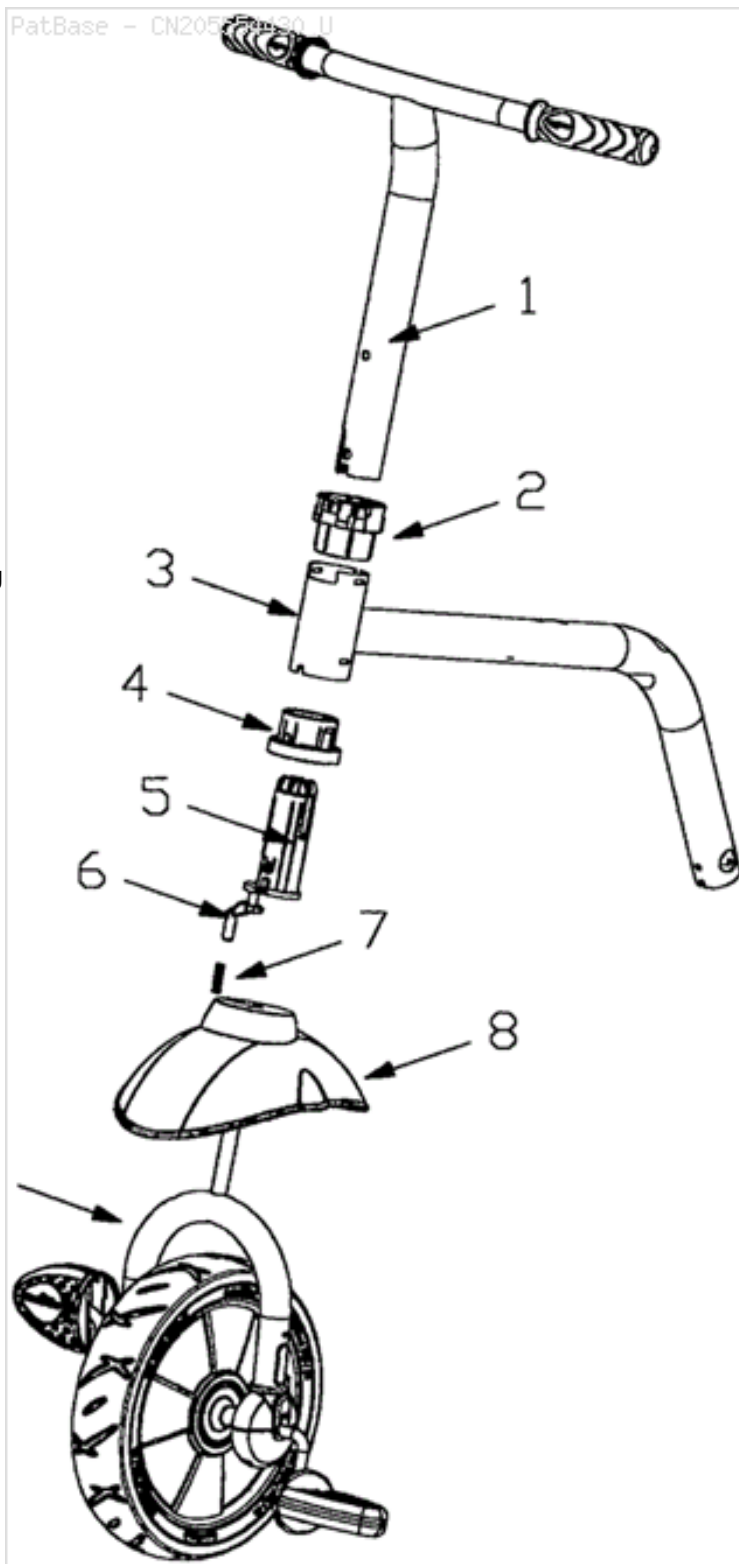
Inventor(s):^(std): HE JUNMIAO

International class B62K21/00 B62K9/02 (Advanced/Invention)
(IPC 8-9).

[Classification Explorer](#)

Abstract:

Source: CN205554430U The utility model discloses a child's tricycle turns to structure, include handlebar group, head pipe, fork cover, button, preceding mud board and preceding wheelset, preceding mud board passes the axle center of preceding wheelset and installs the top of wheelset in the front, the button is through the spring mounting in the front on the mud board, fork cover is installed on the axle center of wheelset in the front, the higher authorities' bowl and next bowl are installed respectively to the upper end and the lower extreme of head pipe, handlebar group installs on the higher authorities' bowl. The utility model discloses the structure is comparatively simple, convenient operation can be fast pushes away turning to control after from child oneself control front -wheel steer to the head of a family, flexible, reduce push away control the front wheel structure turned to some poor fits, machining precision error and lead to the fact turn to the scheduling problem that has some setbacks, and the cost is saved. It is big that the left and right sides turns to the angle, can control 180 and turn to, has increased the flexibility of turning, and just can turn in very little space.



0) EP1555201A1 – ELECTRIC MOTOR SCOOTER ELEKTROROLLER SCOOTER ...

85) Family number: 32085175 (EP1555201A1)

© PatBase

Title: Electric motor scooter

Priority: EP20040000981 20040119

Family:	Publication number	Publication date	Application number	Application date
	CN1644419 A	20050727	CN200410032503	20040407
	EP1555201 A1	20050720	EP20040000981	20040119

Probable Assignee: MEYER UWE

Assignee(s):^(std) MEYER UWE ; UWE MEYER

Inventor(s):^(std) MEYER UWE ; UWE MEYER

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

International class
(IPC 8-9): [B62M7/00](#) [B62M7/06](#) (Advanced/Invention)

International class
(IPC 1-7): [B60K1/04](#) [B62K11/02](#) [B62M27/02](#) [B62M7/02](#)

CPC: [B62K2202/00](#) [B62K2204/00](#) [B62M7/00](#) [B62M7/06](#)

European class: [B62M23/02B](#) [B62M7/00](#) [B62M7/06](#) [L62K202/00](#) [L62K204/00](#)

[Classification Explorer](#)

Cited documents: US5894898 A, US4802682 A, GB2290508 A1, EP1164049 A1,

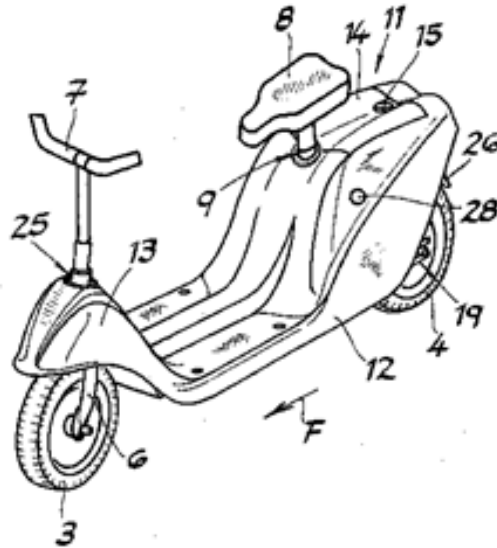
Forward Citations: WO12048882, DE202010015073, DE102011111419, DE102011111419,

Abstract:

The electric scooter, with a front (3) and a rear (4) wheel, has a front fork (6) and handlebar (7) and a saddle (8). The electromotor (1) is supplied with energy from a rechargeable battery (2) with connections (16) for a charging cable, on the rear mudguard behind the saddle, which also shrouds the motor and rear wheel mountings. The rear mudguard is assembled from panels, for access to the motor and the chain drive (5) to the rear wheel.

PatBase - EP1555201_A1

EP 1 555 201 A1

Fig.1

Title: CHAIN COVER OF MOTORCYCLE**Priority:** JP19950106440 19950428

Family:	Publication number	Publication date	Application number	Application date
	<u>JP8295275 A2</u>	19961112	JP19950106440	19950428

Probable Assignee: SUZUKI MOTOR CO**Assignee(s):^(std):** SUZUKI MOTOR CO**Assignee(s):** SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA ; SUZUKI KK**Inventor(s):^(std):** SAKAI IKUO**Agent(s):** NAGAI HIROSHI

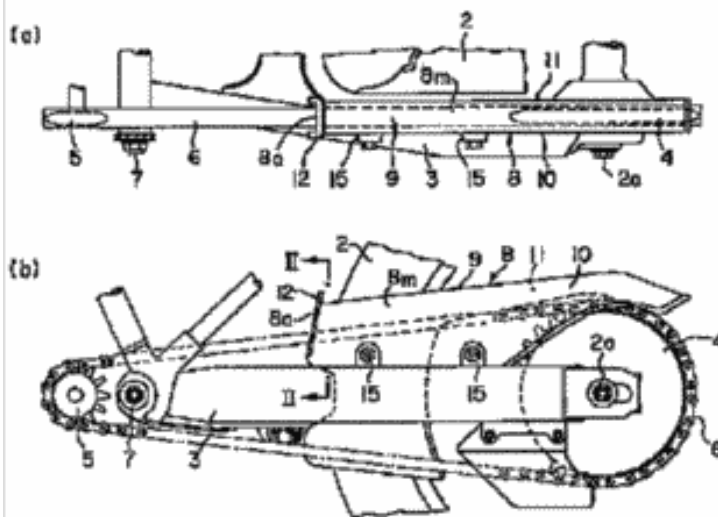
International class B62J13/02 (Advanced/Invention);
 (IPC 8-9): B62J13/00 (Core/Invention)

International class B62J13/02
 (IPC 1-7):

[Classification Explorer](#)**Abstract:**

Source: JP8295275A PURPOSE: To prevent the mud stuck to the surface of a cover body of a chain cover to be carried by a rear wheel from being dropped on a chain from a front end of the cover body. CONSTITUTION: A chain cover 8 is equipped with a mud guard part 12, flangedly projecting outward from the peripheral edge of a front end 8a, and preventing the mud stuck to the surface of a cover body 8m from being moved frontward, at the front end 8a of the cover body 8m to be situated just before the front end of a rear wheel 2.

PatBase - JP8295275_A2



Title: MOTORCYCLE**Priority:** JP20080312779 20081208

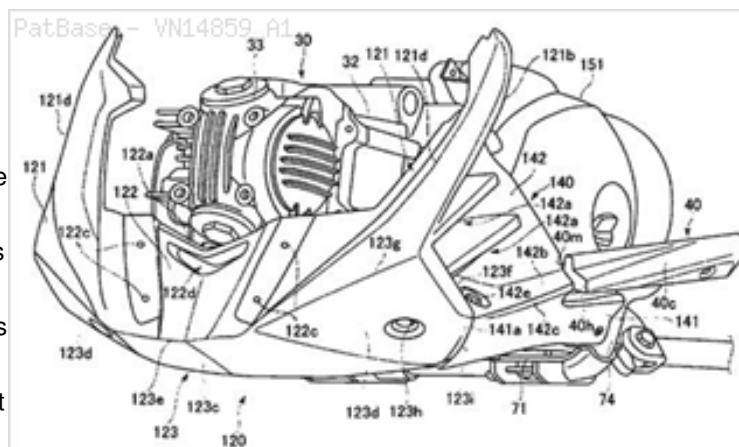
JP20090181957 20090804

Family:

Publication number	Publication date	Application number	Application date
CN101746448 A	20100623	CN200910253557	20091208
CN101746448 B	20150610	CN200910253557	20091208
JP2010159042 A2	20100722	JP20090181957	20090804
TH107033 A	20110330	TH20091005488	20091204
VN14859 A1	20160125	VN20090002619	20091207

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):**^(std): YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK ; YAMAHA HATSUKOKI KK ; YAMAHA MOTOR CO**Inventor(s):**^(std): KONO ARATA ; ARATA KONO**Inventor(s):** ARATA KAWANO**Agent(s):** HARUKA PATENT AND TRADEMARK ATTORNEYS**International class**
(IPC 8-9): [B62J15/00](#) [B62J23/00](#) [B62K11/00](#) (Advanced/Invention);
[B62J15/00](#) [B62J23/00](#) [B62K11/00](#) (Core/Invention)**International class**
(IPC 1-7): [B62J 15/00](#) [B62J15/00](#) [B62J23/00](#) [B62K11/00](#)[Classification Explorer](#)**Cited documents:** CN1907795, CN101209730,**Forward Citations:** JP6104304, JP2016193649,**Abstract:**

Source: JP2010159042A PROBLEM TO BE SOLVED: To suppress mud water or the like from splashing to a cylinder and a footrest and reduce useless air resistance in an underbone type motorcycle. SOLUTION: The motorcycle is provided with a front wheel 3 disposed at the front of the cylinder 32 and the footrest 40 disposed on the right and left of a crank case 31. A vehicle body cover of the motorcycle has a center guard 123c for covering the cylinder 32 from the lower side and a pair of right and left side guards 123d which are disposed so as to expand from the center guard 123c to the outside in the vehicle width direction, and disposed at the position lower than the footrest 40. The rear edge 123a of the center guard 123c is positioned in front of the crank case 31, and at least a part of the side guard 123d is positioned at the outside in the vehicle width direction rather than the straight line connecting a grounding surface to be contact to the ground of the front wheel 3 and end parts 40m, 40n of the central side in the vehicle width direction of the footrest 40.



88) Family number: 15153680 (JP2037093A)

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Title: FRONT FENDER DEVICE FOR MOTORCYCLE**Priority:** JP19880185360 19880727

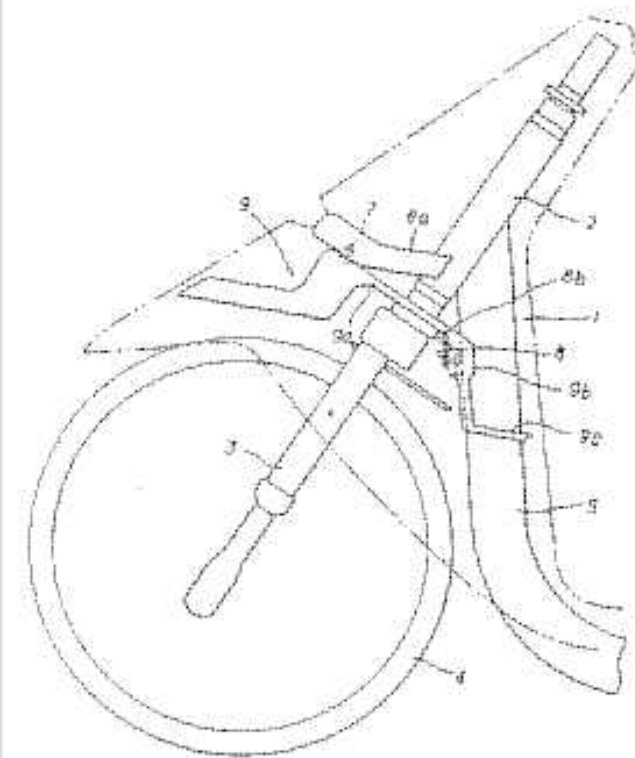
Family:	Publication number	Publication date	Application number	Application date
	<u>JP2037093 A2</u>	19900207	JP19880185360	19880727
	<u>JP2725293 B2</u>	19980311	JP19880185360	19880727

Probable Assignee: SUZUKI MOTOR CO**Assignee(s):^(std):** SUZUKI MOTOR CO**Assignee(s):** SUZUKI MOTOR CO LTD ; SUZUKI KK**Inventor(s):^(std):** NAGASAKA IZUMI**International class** B62J15/00 (Advanced/Invention)
(IPC 8-9):**International class** B62J15/00
(IPC 1-7):[Classification Explorer](#)**Cited documents:** JP58047674 A2,**Abstract:**

Source: JP2037093A PURPOSE: To form a prevention mechanism of splashes of mud, etc., from the rear part of a front wheel so as to enable compaction, decrease in the number of parts and simplification of the structure by providing a tongue piece part protruding approximately in the horizontal direction through an extended part that slightly hangs at the rear end part of a front fender.

CONSTITUTION: As the space between a frame down tube 5 and an outer cover is closed by an extended part 9b provided at the rear end part of a front fender 9 and a tongue piece part 9c, the mud and water splashed from the back part of a front wheel 4 is prevented from invading in the head pipe 2 side so as not to have an adverse effect on the actuating parts and electrical parts. In addition, as the extended part 9b and the tongue piece part 9c are in a compact structure that hangs down integrally slightly backward from the main part 9a of the front fender 9, no other invasion preventing part of mud, water, etc., is needed than the front fender 9. Accordingly, the number of parts is decreased, and the title device is applied widely to various types of scooters.

PatBase - JP2725293_B2



0) JP2009073224A – SCOOTER TYPE VEHICLE

89) Family number: 43183603 (JP2009073224A)

© PatBase

Title: SCOOTER TYPE VEHICLE

Priority: JP20070241647 20070918

Family:

Publication number	Publication date	Application number	Application date
<u>JP2009073224 A2</u>	20090409	JP20070241647	20070918

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):^(std): RI SHIHIN

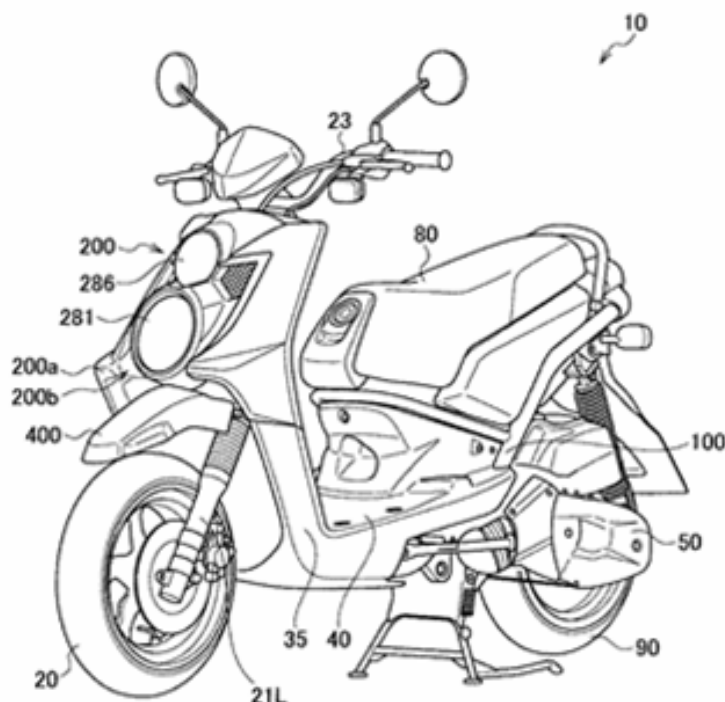
International class B62J15/00 B62J23/00 (Advanced/Invention);
(IPC 8-9): B62J15/00 B62J23/00 (Core/Invention)

[Classification Explorer](#)

Abstract:

Source: JP2009073224A PROBLEM TO BE SOLVED: To provide a scooter type vehicle provided with a fender more effectively preventing scattering of mud rolled-up by a wheel. SOLUTION: The scooter type vehicle such as a motorcycle 10 is provided with: a front wheel 20; a front fender 400 turned with a wheel accompanying with operation of a handle-bar 23; and a leg shield 30 and an under cowl 35 arranged in front of a leg part of a rider behind the front wheel 20. The front fender 400 has a front wide part enlarged in a vehicle width direction; and a narrow part narrower than the front wide part. The front wide part is formed on a front side than the narrow part, and a vehicle body cover is arranged in an obliquely rear side of the narrow part.

PatBase - JP2009073224_A2



0) JP2011168123A – LIGHTING DEVICE MOUNTING STRUCTURE

90) Family number: 49505321 (JP2011168123A)

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Title: LIGHTING DEVICE MOUNTING STRUCTURE

Priority: JP20100032354 20100217

Family:

Publication number	Publication date	Application number	Application date
BRPI1100817 A2	20131217	BR2011PI00817	20110211
CN102161359 A	20110824	CN201110035347	20110210
CN102161359 B	20141029	CN201110035347	20110210
IN00437CH2011 A	20120113	IN2011CH00437	20110215
JP2011168123 A2	20110901	JP20100032354	20100217
JP5419741 B2	20140219	JP20100032354	20100217
TH116768 A	20121015	TH20111000066	20110117
TH52033 B	20161021	TH20111000066	20110117

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): MAKOTO NAKAZE ; NAKAJIN MAKOTO ; NAKANOBU MAKOTO ; ISHIMI SYUUGO ; IWAMI SHUGO ; SHUGO ISHIMI

Inventor(s): SYUUGO ISHIMI ; MAKOTO NAKAJIN ; NAKAZE MAKOTO ; ISHIMI SHUGO

International class
(IPC 8-9): [B62J15/00](#) [B62J6/00](#) [B62J6/04](#) (Advanced/Invention);
[B62J15/00](#) [B62J6/00](#) [B62J6/04](#) (Core/Invention)

International class
(IPC 1-7): [B62J6/04](#)

[Classification Explorer](#)

Cited documents: JP62003386 U1, JP62003386 U, JP3608369 B2, JP3126732 U1, JP3126732 U, JP2007149583 A2, JP2000322923 A2, EP1361145 A2, CN2570145 Y, CN200957860 Y, CN1958381 A, CN101497323 A, CN101062704 A,

Forward Citations: JP6070272, JP2014166794, CN103318312,

Source: JP2011168123A PROBLEM TO BE SOLVED: To provide a lighting device mounting structure in which a passage communicated with inside and outside a lighting body is disposed inside a rear fender and the passage is protected against trouble such as water spattered by a rear wheel.

[illegible]

0) EP2546551A2 – POWER UNIT FOR A SMALL VEHICLE LEISTUNGSEINHEIT...

91) Family number: 52789710 (EP2546551A2)

© PatBase

Title: POWER UNIT FOR A SMALL VEHICLE

Priority: JP20110154464 20110713

Family:	Publication number	Publication date	Application number	Application date
	EP2546551 A2	20130116	EP20120175540	20120709
	EP2546551 A3	20160127	EP20120175540	20120709
	IN02798CH2012 A	20160408	IN2012CH02798	20120710
	JP2013019500 A2	20130131	JP20110154464	20110713
	JP5687148 B2	20150318	JP20110154464	20110713
	TH131011 A	20131227	TH20121003429	20120710

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):^(std): IMOTO YUTAKA ; INOMOTO YUTAKA ; MATSUURA KOHEI ; TSUCHIYA RYUJI

Agent(s): ILGART JEAN CHRISTOPHE

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

International class
^(IPC 8-9): [F16H F16H57/027 F16H57/04](#) (Advanced/Invention) ;
[F16H57/02 F16H57/035 F16H59/38](#) (Advanced/Non-invention) ;
[E05B19/00](#) (Core/Invention)

CPC: [F16H57/035 F16H57/0495 F16H2057/0203 F16H57/0457 F16H57/027 F16H57/0424 F16H57/0471 F16H59/38 F16H2057/02065](#)

[Classification Explorer](#)

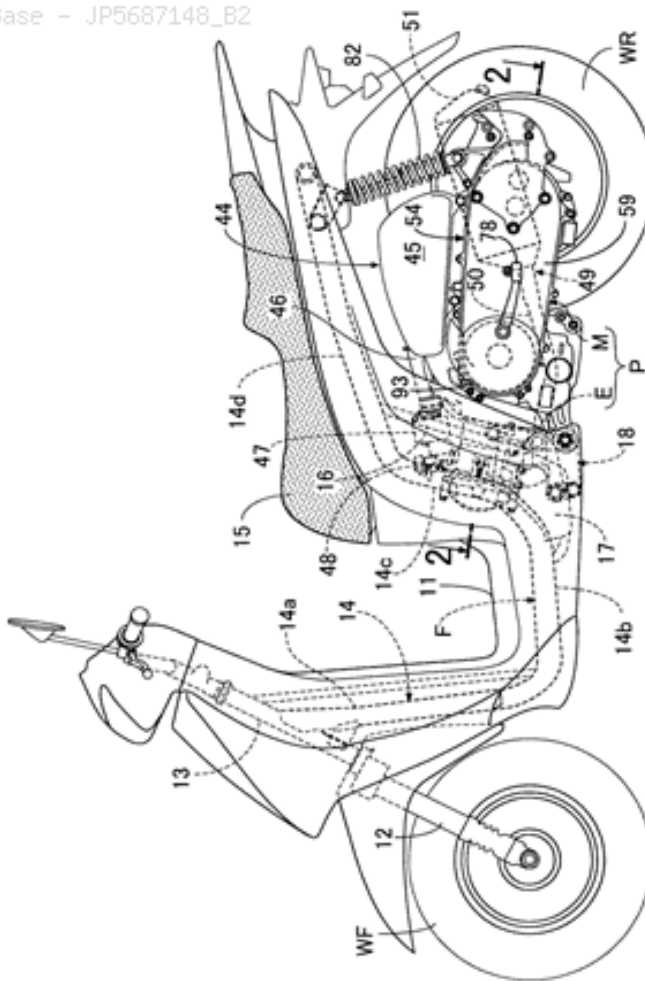
Cited documents: US4468979 A, JP61186714 U1, JP61186714 U, JP61186714 U, JP54146327 A2, JP54146327, JP367941 Z2, JP1197194 A2, JP11108163 A2, JP11108163, JP01197194,

Forward Citations: GB2535816, EP2551551,

Abstract:

Source: EP2546551A2 In a power unit for a small vehicle in which, in a gear chamber within a gear case, a gear mechanism having a drive gear, a final gear mounted on an axle of a drive wheel, and a counter gear arranged between the final gear and the drive gear is contained within the gear chamber, a reduction in rotation friction is made possible while ensuring lubrication performance based on oil splashes from the final gear. A rotation axis C1 of the final gear (85) with a lower portion immersed in oil within the gear chamber is placed at a higher level than rotation axes C2, C3 of the drive gear (84) and the counter gears (86, 87). An oiling rib (104) placed above the final gear (85) and extending toward the final gear (85) protrudes into the gear case. The gear case is provided with an oil guide wall (105) formed in an arc shape along the tooth tips of the final gear (85) to guide the oil in a lower portion in the gear chamber to the oiling rib (104).

PatBase - JP5687148_B2



0) JP7077045A – RADIATOR DEVICE OF MOTORCYCLE

92) Family number: 12094719 (JP7077045A)

© PatBase

Title: RADIATOR DEVICE OF MOTORCYCLE

Priority: JP19820177755 19821009 JP19930181838 19930628

Family:	Publication number	Publication date	Application number	Application date
	JP1837486 C3	19940411	JP19820177755	19821009
	<u>JP2614588 B2</u>	19970528	JP19930181838	19930628
	<u>JP3048326 B1</u>	19910724	JP19820177755	19821009
	<u>JP3048326 B4</u>	19910724	JP19820177755	19821009
	<u>JP59068517 A2</u>	19840418	JP19820177755	19821009
	<u>JP7077045 A2</u>	19950320	JP19930181838	19930628

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):^(std): HATSUTORI TOSHIYUKI ; HATSUTORI TOSHUKI ; HATTORI TOSHIYUKI

International class
(IPC 8-9): B62J99/00 F01P11/10 F01P3/18 F02B61/02 (Advanced/Invention);
B62J99/00 F01P11/10 F01P3/00 F02B61/00 (Core/Invention)

International class
(IPC 1-7): B60K11/04 F01P11/10 F01P3/18

CPC: F02B61/02 F01P11/10

European class: F01P11/10 F02B61/02

[Classification Explorer](#)

Cited documents: JP57108422 U1, JP57057123 U1, JP57051123 U1, JP57051123 U, JP56073989 U1, JP50052656 U1, JP50052656 U,

Forward Citations: JP1062181,

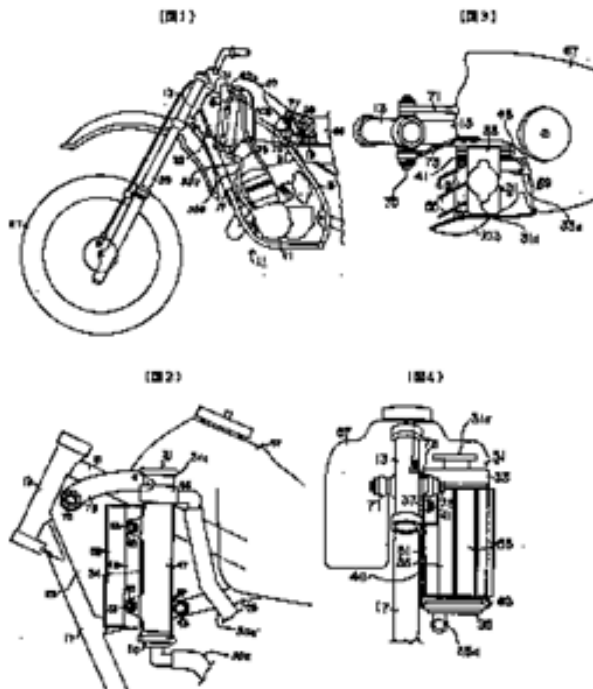
Source: JP7077045A PURPOSE: To improve a knee grip and introduction of driving wind by arranging a longitudinally oval radiator main body shifted to the vehicle body with direction in front of a fuel tank, and inclinating the front side of a side cover which covers the radiator so as to spread outward in front of the radiator main body. CONSTITUTION: A fuel tank 67 is arranged behind a steering head pipe 13. A longitudinally oval radiator main body 31 is arranged to be shifted from the vehicle body central line in the vehicle body width direction, in front of the fuel tank 67. Additionally the radiator main body 31 is covered with a side cover 103 from the side part. In this case, the rear part of the side cover 103 is laid along the outside face of the fuel tank 67 and its front part, is inclined so as to spread outward in front of the radiator main body 31. A cooling water pipe 33a to be connected to the top tank 33 of the radiator main body 31 is arranged in a space surrounded by the fuel tank 67 and the side cover 103.

[43]

號碼 7-77045

- 【図2】その一帯の地形図
 - 【図3】同じく一帯を画いた拡大平面図
 - 【図4】図1における一帯の位置図
 - 【図5】図3の一帯の拡大図
 - 【図6】図5における川・V字状窪地図
 - 【図7】第2窪地帯の一帯の拡大平面図
 - 【図8】図7における川・V字状窪地図
- (参考の地図)
- 13 エス・アリンダ・ヘッデバエ

- 31 ラジエタ本体
- 31a 給水モーター
- 33 上層タンク
- 33a 給水パイプ
- 34 放熱部
- 55 電風機
- 67 断熱タンク
- 103 サラエタサイロカバー



0) CN203142873U – FOUR–WHEEL MOTORCYCLE SHELL

93) Family number: 54605929 (CN203142873U)

© PatBase

Title: FOUR–WHEEL MOTORCYCLE SHELL

Priority: CN201320103022U 20130307

Family:	Publication number	Publication date	Application number	Application date
	CN203142873 U	20130821	CN201320103022U	20130307

Probable Assignee: HUZHOU DAIXI ZHENHUA IND AND TRADE CO LTD

Assignee(s):^(std): HUZHOU DAIXI ZHENHUA IND AND TRADE CO LTD

Assignee(s): HUZHOU DAIXI ZHENHUA IND AND TRADE CO

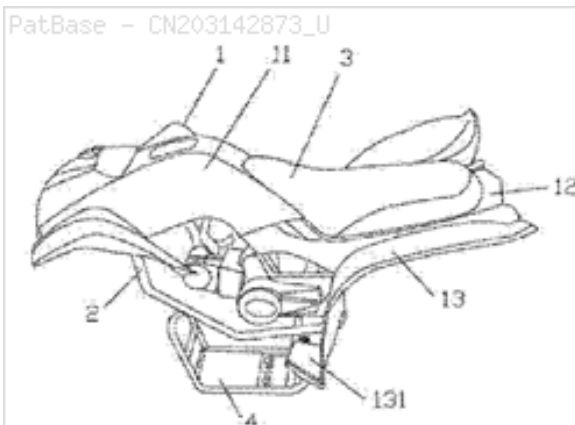
Inventor(s):^(std): CHEN XINHUA

International class [B62J15/04](#) [B62J17/00](#) (Advanced/Invention)
(IPC 8–9):

[Classification Explorer](#)

Abstract:

Source: CN203142873U The utility model discloses a four–wheel motorcycle shell, which comprises a shell (1). The shell (1) is arranged on a frame (2). An oil tank cover (11) is molded at the middle part of the shell (1). The rear part of the shell (1) is downwards bent to form a seat plate (12). A seat (3) is fixedly arranged on the seat plate (12). Mud guards (13) are formed at the front part and the rear part of the two sides of the shell (1). Front wheels and rear wheels which are arranged on the frame (2) are arranged below the mud guards (13). Foot rests (4) which are fixedly arranged on the frame (2) are arranged on the two sides of the shell (1) and at the front of the mud guard (13) at the rear part of the shell (1). The foot rests (13) enable the mud guards (13) and the shell to be molded together, so that the clothes contamination caused by sand which is brought up by the motorcycle during running on sand is reduced, the situation that sand grains strike legs or feet of a user is reduced and the comfort is improved.



0) US3494442A – AIR CONDUCTING SUPPORT STRUCTURE FOR OVERSIZE F...

94) Family number: 899403 (US3494442A)

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Title: AIR CONDUCTING SUPPORT STRUCTURE FOR OVERSIZE FRONT TRACTOR WHEEL

Priority: US19680699623 19680122

Family:	Publication number	Publication date	Application number	Application date
	<u>US3494442 A</u>	19700210	US19680699623	19680122

Probable Assignee: RICKEL INC

Assignee(s):^(std): RICKEL INC

Inventor(s):^(std): KERNOHAN THOMAS D ; RICKEL EDGAR J

Inventor(s): THOMAS D KERNOHAN ; EDGAR J RICKEL

International class
(IPC 8-9): B60K11/06 B62D53/02 (Advanced/Invention);
B60K11/00 B62D53/00 (Core/Invention)

International class
(IPC 1-7): B60K9/00 F01P11/10

CPC: B60K11/06 B62D53/02

European class: B60K11/06 B62D53/02

US class: 180/54 180/68.1

[Classification Explorer](#)

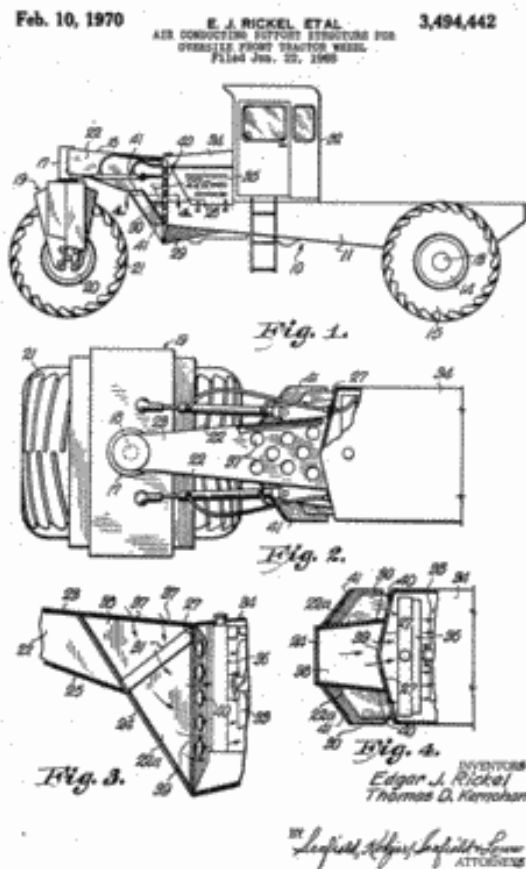
Cited documents: US2442563 A, US1126960 A, GB681670 A,

Forward Citations: US4514201,

Abstract:

Source: US3494442A (Claim 1) 1. In a tractor chassis of the type having a front engine housing, a fan within the housing for drawing air through the forward end thereof, and a gooseneck front wheel mounting structure having a base portion partially covering the front of said housing and a wheel connecting section extending forwardly from said base portion, the improvement comprising structural load bearing members forward of the base portion and cooperating with said base portion and forwardly extending wheel connecting section to form a duct-like passageway within said mounting structure, the top wall of said mounting structure provided with apertures establishing communication between said passageway and the atmosphere, said passageway terminating at the front of said engine housing and open to flow of air therethrough induced by said fan.

PatBase - US3494442_A



95) Family number: 15595278 (JP2001088762A)

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Title: AIR INTRODUCTION STRUCTURE OF MOTORCYCLE**Priority:** JP19990268458 19990922**Family:**

Publication number	Publication date	Application number	Application date
<u>JP2001088762 A2</u>	20010403	JP19990268458	19990922

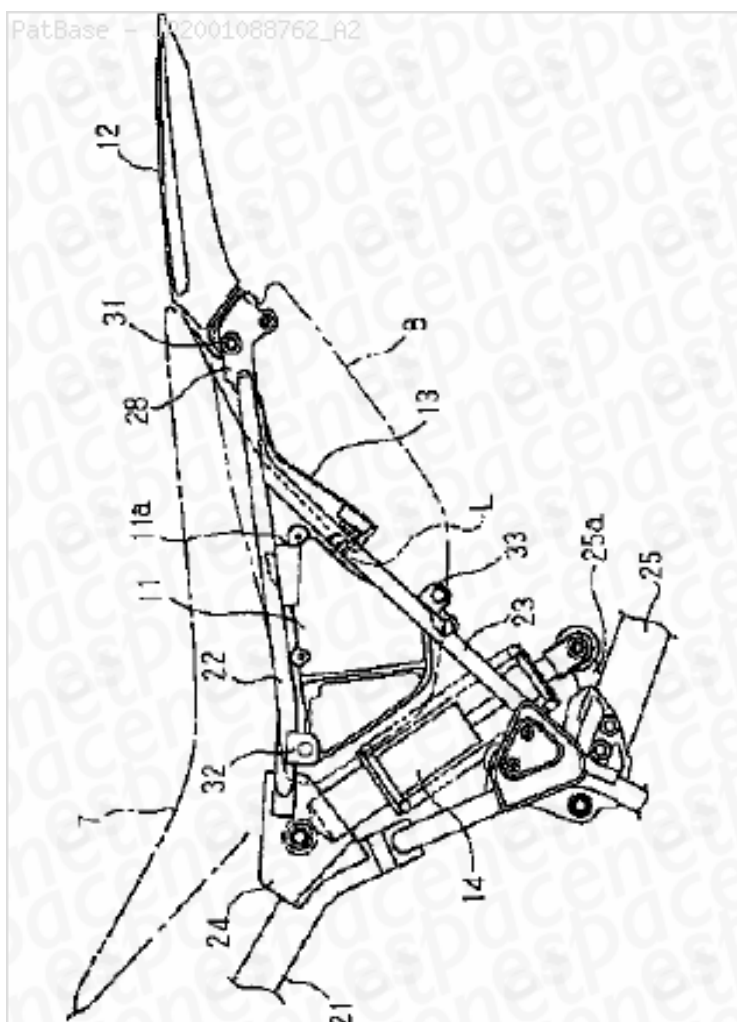
Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA**Inventor(s):^(std):** OKAMOTO TOSHIO ; SUZUKI TATSUYA

International class B62J15/00 B62J99/00 (Advanced/Invention);
 (IPC 8-9): B62J15/00 B62J99/00 (Core/Invention)

International class B62J39/00
 (IPC 1-7):

[Classification Explorer](#)**Forward Citations:** US8979132, JP2013136312, JP2008223587, EP2562068, AU2012204151,**Abstract:**

Source: JP2001088762A PROBLEM TO BE SOLVED: To prevent mud and water from entering a suction port of an air cleaner box through an air passage on a motorcycle on which the air passage to introduce air to the suction port of the air cleaner box is formed between the air cleaner box and a mud guard. SOLUTION: A labyrinth L is formed in an air passage between an air cleaner box 11 and a mud guard 13 free to extract water on a motorcycle on which the mud guard 13 is arranged so as to cover a suction port 11a opened on its rear part from a rear wheel against the air cleaner box 11 arranged below a seat 7, a side cover 8 is arranged to cover both sides below the seat 7 on which the air cleaner box 11 and the mud guard 13 are arranged and a part between a rear part lower surface of the air cleaner box 11 and a front part upper surface of the mud guard 13 is made the air passage to introduce air to the suction port 11a of the air cleaner box 11.



0) US2752168A – FRONT WHEEL SUSPENSION FOR MOTORCYCLES

96) Family number: 21687732 (US2752168A)

© PatBase

Title: FRONT WHEEL SUSPENSION FOR MOTORCYCLES

Priority: US19520320478 19521114

Family:	Publication number	Publication date	Application number	Application date
	<u>US2752168 A</u>	19560626	US19520320478	19521114

Probable Assignee: LUIGI TORRE PIER

Assignee(s):^(std): LUIGI TORRE PIER

Inventor(s):^(std): LUIGI TORRE PIER

Inventor(s): TORRE PIER LUIGI

International class
(IPC 8-9): B62K25/16 (Advanced/Invention);
B62K25/04 (Core/Invention)

International class
(IPC 1-7): B62K25/16

CPC: B62K25/16 B62K2201/04

European class: B62K25/16 L62K201/04

US class: 267/249 280/277

[Classification Explorer](#)

Cited documents: US2183129 A, US1543364 A, DE646446 A, DE621233 A, CA474575 A,

Forward Citations: US7775314, US2009205895,

Abstract:

Source: US2752168A | Claim. (C). 280-277)

The present invention relates to suspension of wheels of motorcycles and the like. Several solutions are known of the oscillating arm suspension for the fore wheels of motorcycles. In most cases, the reaction spring, preferably working under compression, is connected to the arm by means of an extension provided with a pin and a bushing, that, besides consenting the spring the various orientations of its end in conformity with the different positions of the arm, also constitutes a guide for the spring to the end of preventing its easy side swaying. Another system sometimes resorted to—but much less correct—is that of screwing the spring over a suitably shaped appendage of the arm. With this solution the resulting side sways are such as to jeopardize the life of the spring. With both of the above systems it is very difficult to install the entire spring-unit in a housing not possessing excessive dimensions. The presence of journals requires the necessity of adequate lubrication or—ans, not always, however, assuring an efficient lubrication, as said pins and their bushings are easily attacked by mud splatterings and road dust creepin—in between the parts movin— relatively to one another. The solution being the object of the present invention allows the installin.— within a moderately dimensioned and completely closed housin.—l of all of the suspension members, thus avoiding the necessity of having to lubricate special pins and bushings at the bearin.— of the spring over the arm. The only bushings required are those of the articulation of the arm. The accompanying drawing illustrates diagrammatically and by way of example a practical embodiment of the invention. To lever 1 is fixed to arm 2 located inside the housing completely filled with lubricant and rotating on two bushings carried respectively by housing 3 and by the cover closing the same. The end of arm 2 is ball-shaped. Upon June 26, 1956 this ball bears element 4 provided at one end with a spherical seat and at the other end with a stem 7 for—Uiding spring 5 disposed inside of the tube constituting one of the arms of the fork. Element 4 is provided with an axial hole 8 for bringing the lubricant to the stirfaces of the ball 9 and seat in contact. During the angular movement of arm 2, element 4 slides over the surface of the ball, and spring 5 is not submitted to bending. At the end of the return movement, arm 2 finds a rest upon the stop 6 made from a material possessing a certain resiliency, like rubber or cork. In this way a suspension is obtained which is of simple construction and safe performance. 15 Naturally, all of the constructional deta—As may be varied according to necessity without for this reason going o—ut of the field of the present invention. What I claim is: A suspension for the front wheel of a motorcycle comprising a lubricant-ti—ht housing completely filled with lubricant, a rotative lever ext—rilally of said housing for connection to the wheel, said lever being journaled in said housin.—l an arm within said ho., isina. secured to said lever and rotative therewith about th%— same axis of rota— tion of said lever, an end of said —rm be;n. ball shaped, said housing havin— an elongated portion, a spring in said portion, a co—axia_ member position in said spring and disposed at an end thereof and having a portion extending therefrom terminating in a spherical socket engaging the —10 ball-shaped end of said arm, said spring en.—aging'said coaxial member and pressin._ it into engag_—ment with said end of said arm, said coaxial member having an elongated portion serving as an internal guide for said sprin—, said coaxial member being closed except for an unobstructed bore axially therethrough from end to end thereof for conducting lubricant to the en—aged surfaces of said ball and said socket, including a resilient cushioning element in axial alignment with said sprin.— and said co—axial member and disposed on the opposite side of said ball-shaped end for engagement thereby, a removal screw-threaded plug closing said housing, said resilient el,—ment bein.secured to said plug and removable therewith.

PatBase - US2752168_A

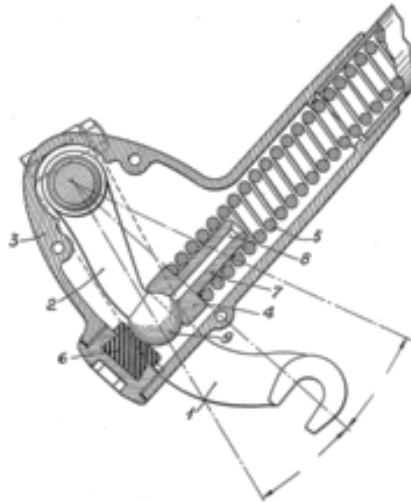
June 26, 1956

P. L. TORRE

2,752,168

FRONT WHEEL SUSPENSION FOR MOTORCYCLES

Filed Nov. 14, 1950



INVENTOR
P. L. TORRE

BY *Attorney*
Robert A. Hoffman
ATTORNEYS

97) Family number: 35559938 (CN2931256Y)

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Title: Bicycle and tricycle without middle vehicle beam support**Priority:** CN200620023301U 20060104

Family:	Publication number	Publication date	Application number	Application date
	<u>CN2931256 Y</u>	20070808	CN200620023301U	20060104

Probable Assignee: ZHANG XUEHONG**Assignee(s):^(std):** ZHANG XUEHONG**Inventor(s):^(std):** ZHANG XUEHONG**Inventor(s):** XUEHONG ZHANG

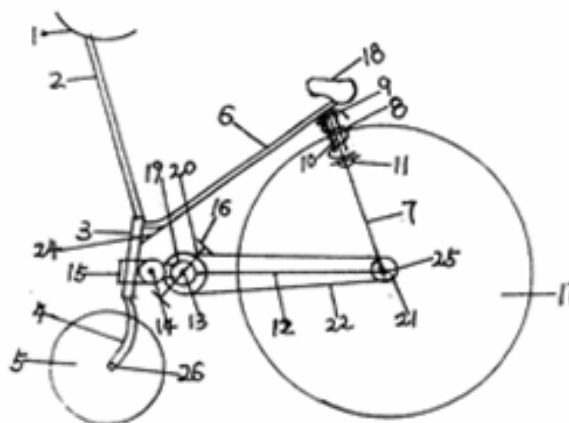
International class B62K3/00 B62K3/02 B62K5/02 B62K5/06 (Advanced/Invention);
 (IPC 8-9): B62K3/00 B62K5/00 (Core/Invention)

[Classification Explorer](#)**Abstract:**

Source: CN2931256Y The utility model relates to a two-wheeled or three-wheeled vehicle without a middle beam which comprises a vehicle support portion and a motion-transmitting operating portion. The vehicle comprises a handle, a handle standpipe, a front face, a front fork, a front wheel, a seat pipe, a back frame, a spring, a spring frame, a spring casing, a spring pedestal, a back bottom frame, a central shaft, a movable shaft, a movable shaft clip, a back wheel, a seat, a front disc, a treadle, a back disc, a chain, cap nuts, a strengthening yoke plate, a back shaft and a front shaft. Some of the above components are fixedly connected by a vehicle support component to form into the vehicle support portion and some form into the motion-transmitting operating portion to realize the functions of transmitting motion, steering and stabilizing riding. The utility model

can be skillfully combined with existing two-wheeled or three-wheeled vehicles without the middle beam to form into a firm, stable, comfortable, flexible, portable and multi-purpose vehicle that is practical in use and free to run. A corresponding brake system is added to assure riding safety. A chain cover, a mud tile and a shelf are added to make the vehicle more beautiful. A battery and a motor can be added to make the utility model suitable for electric vehicles, and a fuel mechanism can be added to make the utility model suitable for fuel vehicles. The vehicle of the utility model is a practical vehicle to save social resources and energy.

PatBase - CN2931256_Y



98) Family number: 8175445 (JP4297389A)

© PatBase

Title: PROTECTOR DEVICE FOR MOTORCYCLE FRONT WHEEL SYSTEM

Priority: JP19910061798 19910326

Family:	Publication number	Publication date	Application number	Application date
	<u>JP4297389 A2</u>	19921021	JP19910061798	19910326

Probable Assignee: SUZUKI MOTOR CO

Assignee(s):^(std): SUZUKI MOTOR CO

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

Inventor(s):^(std): TSURUMAKI HIDEO

International class B62J23/00 (Advanced/Invention);
(IPC 8-9): B62J23/00 (Core/Invention)

International class B62J23/00
(IPC 1-7):

[Classification Explorer](#)

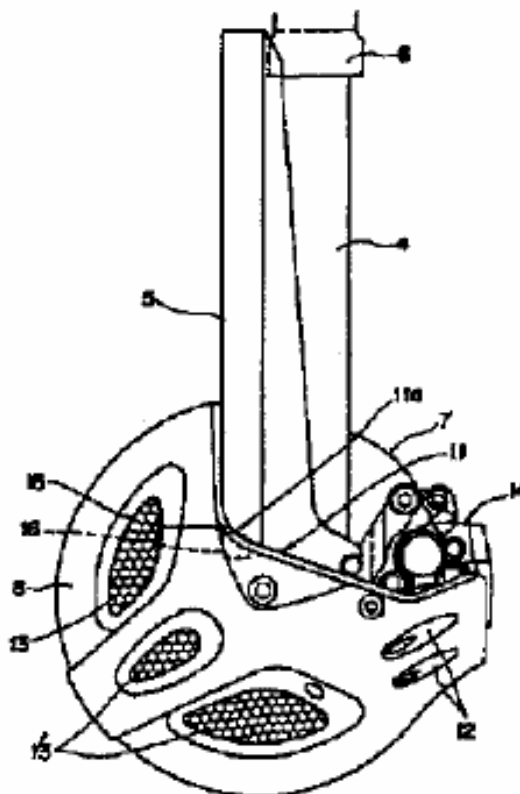
Forward Citations: JP4916591,

Abstract:

Source: JP4297389A PURPOSE: To improve the extent of merchandise value and strength by reducing a clearance between a protector and a disk cover as much as possible, keeping off any admission of scattering stones and mud, and enjoying an integral feeling without entailing any increase in weight, in a front wheel system of a motorcycle.

CONSTITUTION: A notch step part 15 congruous with a notch 11 of a disk cover 8 is formed in the lower end of a protector 5 being additionally installed in a front fork 2 supporting a front wheel 1, while a mounting seat 16 of the protector 5 is installed in an inner part of this notch step part 15, and the disk cover 8 is adjusted to this notch step part 15 for clamping, thus the mounting seat 16 of the protector 5 is made so as to be concealed by the disk cover 8.

PatBase - JP4297389_A2



99) Family number: 46418944 (BRPI0804858A)

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Title: para-brisa estendido para veiculos de duas rodas windscreen extended for vehicles of two wheels (Machine translation)

Priority: BR2008PI04858 20080910

Family:	Publication number	Publication date	Application number	Application date
	BRPI0804858 A2	20100727	BR2008PI04858	20080910

Probable Assignee: PETERLI ENEZIO

Assignee(s):^(std): PETERLI ENEZIO

Assignee(s): ENEZIO PETERLI

Inventor(s):^(std): PETERLI ENEZIO

Inventor(s): ENEZIO PETERLI

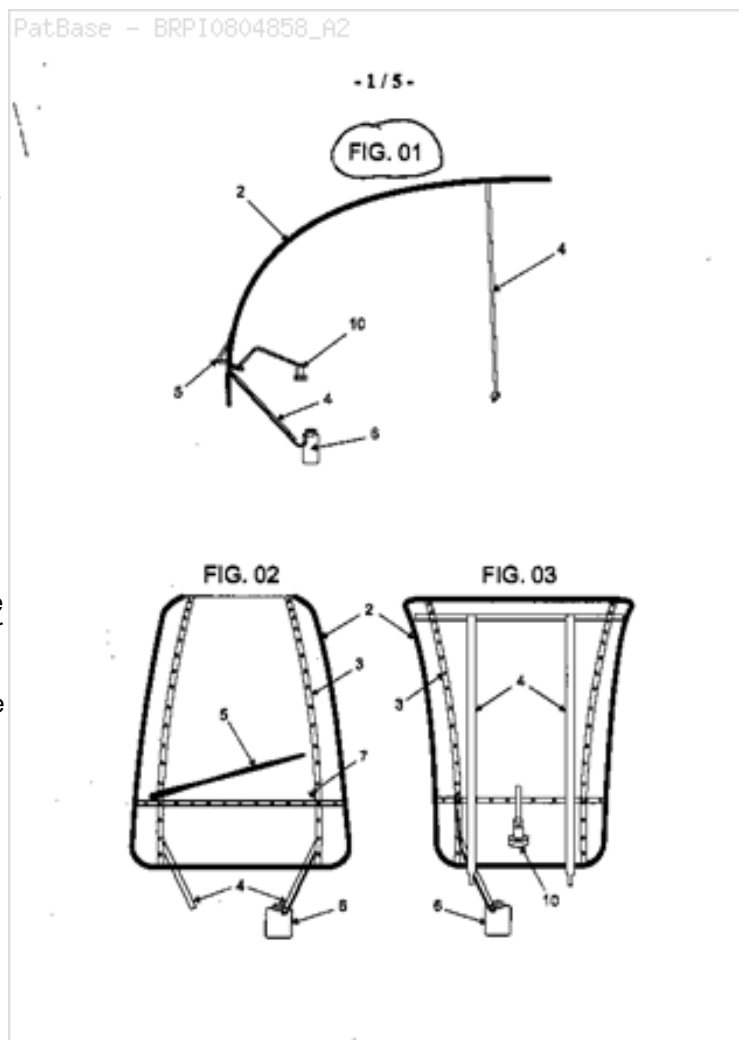
International class B62J17/04 (Advanced/Invention);
(IPC 8-9): B62J17/00 (Core/Invention)

[Classification Explorer](#)

Abstract:

Source: BRPI0804858A Trata-se de um para-brisa estendido para veiculos de duas rodas, mais recisanlente, um para-brisa que cobre toda a parte superior do assento onde se encontra o motorista ou condutor do veiculo, cobrindo-o completamente, podendo ser utilizado em motos, bicicletas, ou qualquer outro tipo de veiculo de duas rodas. O para-brisa estendido ara veiculos de duas rodas e compreendido por: placa de policarbonato (1); borda de rotecao (2); esqueleto metalico (3); barras de fixacao (4); limpador de para-brisa (5); reservatorio de agua (6); esguicho de agua (7); painel de comando do limpador (8); motor lo limpador (9); e rolamento de agulha (10).

Machine translation: One is about a windscreen extended for vehicles of two wheels, more recisanlente, a windscreen that has covered all the superior part of the seat where if it finds the driver or conductor of I propagate it, covering it completely, being able to be used in motions, bicycles, or any another type of I propagate of two wheels. The extended windscreen ploughs vehicles of two wheels and understood by: polycarbonato plate (1); edge of rotecao (2); metallic skeleton (3); bars of setting (4); windscreen cleaner (5); water reservoir (6); water spout (7); panel of command of the cleaner (8); cleaning engine lo (9); e needle rolling (10).



100) Family number: 56590918 (WO14084195A1)

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Title: SUPPORT STRUCTURE FOR VEHICLE-MOUNTED ELECTRIC COMPONENT**Priority:** JP20120258312 20121127 WO2013JP81724 20131126

Family:	Publication number	Publication date	Application number	Application date
	<u>CN104661906 A</u>	20150527	CN201380049706	20131126
	<u>IN04475DN2015 A</u>	20151127	IN2015DN04475	20150525
	<u>JP2014084195 A1</u>	20170105	JP20140550191T	20131126
	<u>JP5903501 B1</u>	20160413	JP20140550191T	20131126
	<u>TH158336 A</u>	20161129	TH20151002838	20131126
	<u>WO14084195 A1</u>	20140605	WO2013JP81724	20131126

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA MOTOR CO**Inventor(s):^(std):** FUJIWARA MASAKI ; INOSE KOJI ; ONO KAZUHIKO ; TAGUCHI KIYOTAKA ; TAKEDA YUICHI ; YAMASHITA AKIHIKO**Agent(s):** SUMIYOSHI KATSUHIKO; SHIMODA YO ICHIRO ET AL

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

International class B60R16/02 B62J11/00 B62J15/00 B62J9/00 (Advanced/Invention);
 (IPC 8-9): B60J11/00 B60R16/02 (Core/Invention)

CPC: B62J15/00 B60R16/0215[Classification Explorer](#)

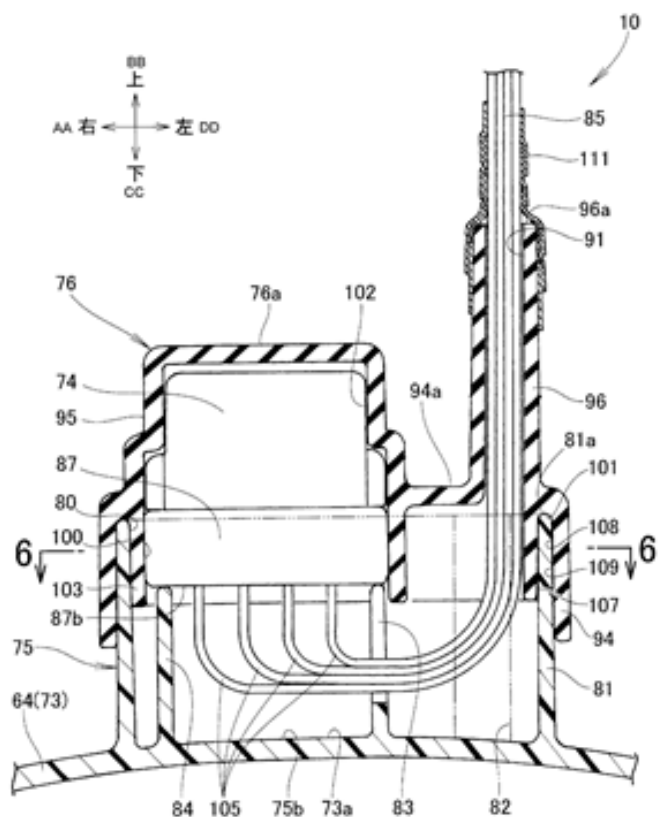
Cited documents: JP61120183 U1, JP61120183 U, JP61120183 U, JP4274182 A2, JP2012197074 A2, JP201146245, JP2011046245 A2, JP11018246 A2, JP04274182, CN202444102 U,

Abstract:

A support structure for an electric component (74) mounted in a vehicle (10) includes a cover member (64) of the vehicle, and the cover member is provided with a housing portion (75) which houses the electric component. The housing portion has an opening (80) which is open upward, the opening is covered with a lid member (76) so as to be closed, and the electric component is supported by the lid member, disposed in a chamber (100) formed by the housing portion and the lid member, and provided apart upward from the bottom (75b) of the housing portion.

PatBase - W014084195_A1

[805]



AA... RIGHT
BB... UP
CC... DOWN
DD... LEFT

101) Family number: 13777795 (US6290016B)

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Title: Air cleaner**Priority:** JP19990090971 19990331

Family:	Publication number	Publication date	Application number	Application date
	<u>JP2000282982 A2</u>	20001010	JP19990090971	19990331
	<u>US6290016 BA</u>	20010918	US20000539718	20000331

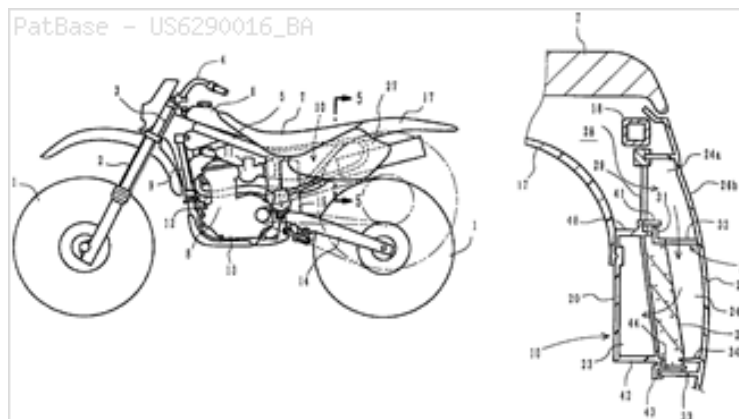
Probable Assignee: HONDA GIKEN KOGYO KK**Assignee(s):^(std):** HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK**Inventor(s):^(std):** UMEOKA AKIO

International class
(IPC 8-9): B60K13/02 B62J99/00 F02M35/024 F02M35/04 F02M35/08 F02M35/10
F02M35/16 (Advanced/Invention);
F02M35/16 (Advanced/Non-invention);
B60K13/00 B62J99/00 F02M35/00 F02M35/02 F02M35/10 (Core/Invention);
F02M35/00 (Core/Non-invention)

International class
(IPC 1-7): B60K13/02 B62D61/02 B62J39/00 F02M35/024 F02M35/08 F02M35/10 F02M35/16

CPC: Y02T10/146 F02M35/10262 F02M35/04 F02M35/16 F02M35/162**European class:** F02M35/04 F02M35/10K6 F02M35/16C R02M35/16**US class:** 123/198.00E 123/198E 180/219[Classification Explorer](#)**Cited documents:** USRE31994 E, US5609658 A, US5577570 A, US5454859 A, US4668252 A, US4666473 A, US4648474 A, US4396407 A, US4280582 A, US3721069 A, JP6019764, JP60019764 A2,**Forward Citations:** US8142553, US7686123, US7156199, US6979039, US6688274, US6615945, US2011088652, US2008210484, US2005110295, US2004178012, US2004020324, TWI357461, KR100986035, JP5866976, JP2013096315, EP1619380, EP1619380, DE202007001798, DE10316652,**Abstract:**

Source: US6290016B To improve the durability of an air cleaner against water and dirt sucked in from a drain hole. An air cleaner includes an air cleaner element and a case cover. The inside of the air cleaner is partitioned into a clean room and a dirty room by an air cleaner element, and is aligned in a widthwise direction of the vehicle. The dirty room communicates with the atmosphere through an intake hole provided at an upper section, and a drain hole and a drain pipe are provided in a bottom wall section. A rib for supporting a lower end of the air cleaner element is provided above the bottom floor section, and is arranged so as to cross an extension of the axis of the drain pipe. Water and dirt that are sucked into the dirty room through the drainpipe and the drain hole by negative pressure inside the air cleaner have difficulty coming into direct contact with the air cleaner element because of the rib acting as a baffle plate.



Title: Special-purpose pendulum bar folding type rain cape bracket for motorcycle

Priority: CN200620011140U 20061018

Family:

Publication number	Publication date	Application number	Application date
CN200964148 Y	20071024	CN200620011140U	20061018

Probable Assignee: LEI XINWU

Assignee(s):^(std): LEI XINWU

Inventor(s):^(std): LEI XINWU

Inventor(s): XINWU LEI

International class B62J17/00 (Advanced/Invention);
(IPC 8-9): B62J17/00 (Core/Invention)

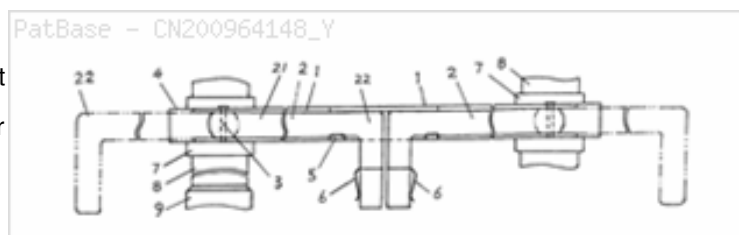
Classification Explorer

Abstract:

Source: CN200964148Y Discloses is a swing-rod foldable windproof raincape support frame for the exclusive use of motorcycles.

The utility model is characterized in that one or two hinged fixing part(s) or buttoned part(s) is/are arranged on the inner shaft or outer shaft of the shock absorber below the handlebar headlight of the motorcycle or on the front wheel mud cover; the fixing part(s)

is/are connected in a movable way with a pair of swing bars that can be used as support arms and distracted toward the two sides of the shock absorber at the front of the vehicle frame after swinging or rotating a certain angle. The utility model is simple to use. When the biker needs to go out in windy or rainy weather, or encounters wind or rain in half-way, the swing bars of the fixing part(s) of the raincape support frame arranged on the inner shaft or outer shaft of the shock absorber below the handlebar headlight of the motorcycle or on the front wheel mud cover can be swung outward (or downward, or upward) to support the front of the raincape and form a windproof rain screen, thus preventing the biker from the wind or rain. Compared with prior art, the utility model has a simple structure, an easy fabrication and installation, a low cost, a convenient and practical usage, and a certain promoting and application value.



103) Family number: 59648101 (CN204548323U)

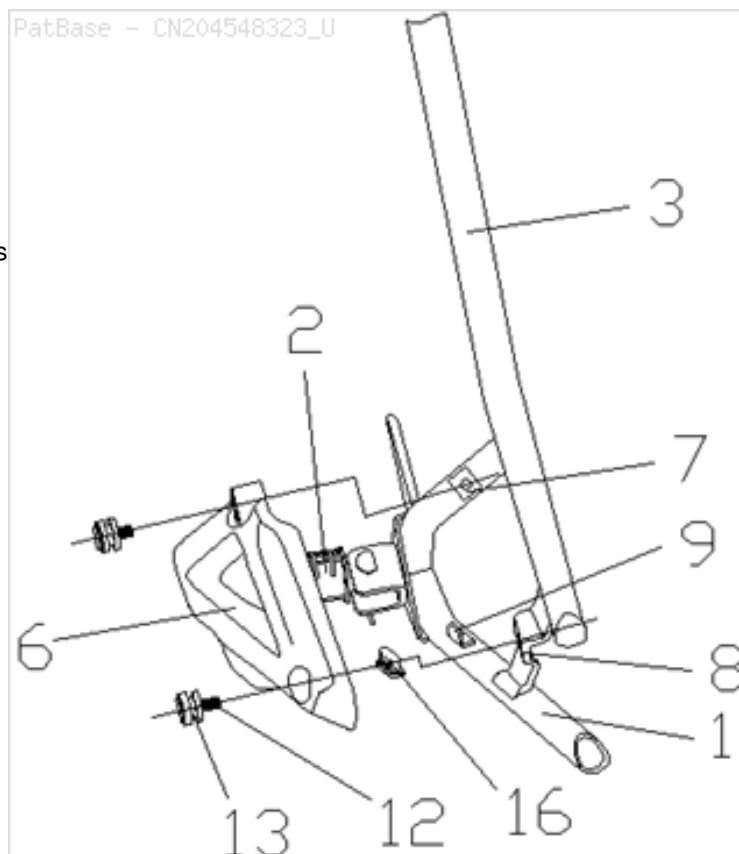
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Title: BRACKET FENDER INSTALLATION BEHIND MOTORCYCLE STRUCTURE**Priority:** CN201510127048 20150323 CN201520163927U 20150323

Family:	Publication number	Publication date	Application number	Application date
	CN104743013 A	20150701	CN201510127048	20150323
	CN104743013 B	20170315	CN201510127048	20150323
	CN204548323 U	20150812	CN201520163927U	20150323

Probable Assignee: LIFAN IND GROUP CO LTD**Assignee(s):^(std):** LIFAN IND GROUP CO LTD**Assignee(s):** LIFAN IND GROUP CO**Inventor(s):^(std):** MO LI ; ZHAO ZHENG DONG**International class** [B62J15/04](#) [B62J25/00](#) (Advanced/Invention)
(IPC 8-9):**CPC:** [B62J25/00](#) [B62J15/02](#)[Classification Explorer](#)**Cited documents:** US2003121707 AA, JP2002068052 A2, CN204548323 U, CN201086768 Y, CN1948077 A, CN102407900 A, CN102030063 A,**Forward Citations:** CN104743013,**Abstract:**

Source: CN204548323U The utility model discloses a bracket fender installation behind motorcycle structure installs the back bracket fender of erecting on back bracket installation pipe, the side cap on back bracket fender and the frame links for a slice around the back bracket fender backward bracket installation tube side form the round and strengthen the surrounding edge to extending, the tube side is installed to the uplift in back bracket fender middle part bracket backward to cave in positive formation. Back bracket fender is installed to this structure on the bracket installation pipe of back, the muddy water of back wheel belt just is difficult to splash out like this, protects the back seat passenger not attacked by muddy water more easily bracket fender installation in this back is firm reliable, and self intensity is also very high, and life is longer



0) JP10218062A – SCOOTER TYPE MOTORCYCLE

104) Family number: 12260705 (JP10218062A)

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Title: SCOOTER TYPE MOTORCYCLE

Priority: JP19970025193 19970207

Family:

Publication number	Publication date	Application number	Application date
CN1090581 C	20020911	CN19981006278	19980207
CN1194223 A	19980930	CN19981006278	19980207
JP10218062 A2	19980818	JP19970025193	19970207
JP3821900 B1	20060913	JP19970025193	19970207
JP3821900 B2	20060913	JP19970025193	19970207
TW363024 B	19990701	TW19980101547	19980206

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD ; YAMAHA MOTOR CORP

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA MOTOR CO LTDJP

Inventor(s):^(std): SHIOTANI TOSHIYUKI ; TOSHIYUKI SHIOTANI

International class
^{(IPC 8-9):} [B62J99/00](#) [B62K11/00](#) [B62M7/02](#) [B62M7/06](#) [F02M35/16](#) (Advanced/Invention);
[B62J99/00](#) [B62K11/00](#) [B62M7/00](#) [F02M35/00](#) (Core/Invention);
[B62K11/00](#) (Core/Non-invention)

International class
^{(IPC 1-7):} [B62J39/00](#) [B62K11/00](#) [B62M11/00](#) [B62M7/02](#) [B62M7/06](#) [F02M35/16](#)

[Classification Explorer](#)

Forward Citations: US7810600, JP6040142, JP5492742, JP2015113795, JP2012101701, ES2178550,

Abstract:

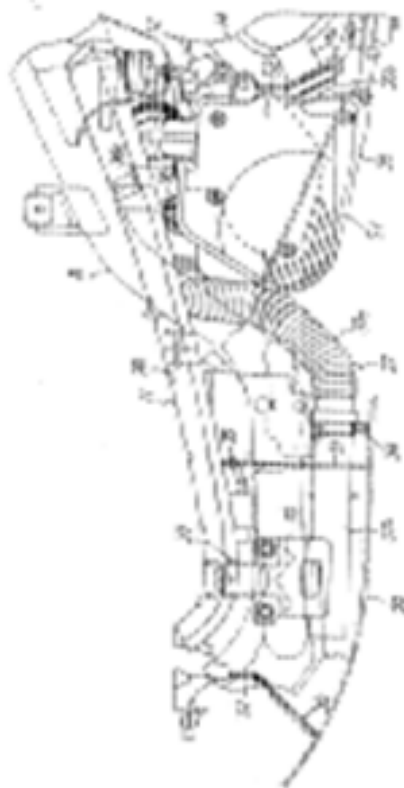
Source: JP10218062A PROBLEM TO BE

SOLVED: To provide a scooter type motorcycle wherein even in use for an off-road, a clean chamber is formed by a simple constitution and assembly, suction of mud and dust to an air cleaner is suppressed to a minimum limit, a frequency of

maintenance of the air cleaner can be low suppressed. SOLUTION: In a scooter type motorcycle formed by arranging a unit wing type engine 12 in the rearward of a low floor type foot rest 11, panels 30, 31 constituted by flexible resin are suspension supported to the foot rest 11, in the downward thereof, a clean chamber S partitioned by an under cover 29 and the panels 30, 31 is formed, from an air cleaner 36 of the unit swing type engine 12, a suction duct 37 is extended to the car body forward, a front end part thereof is opened to the clean chamber S. Even in a scooter type motorcycle for an off-road, by surely preventing infiltration of mud and dust in the clean chamber S, only clean new air in this clean chamber S is sucked to the air cleaner 36 via a suction duct 37, so as to low suppress a frequency of maintenance of the air cleaner 36.

PatBase - TW363024_B

第 1 圖



105) Family number: 17844815 (US4667758A)

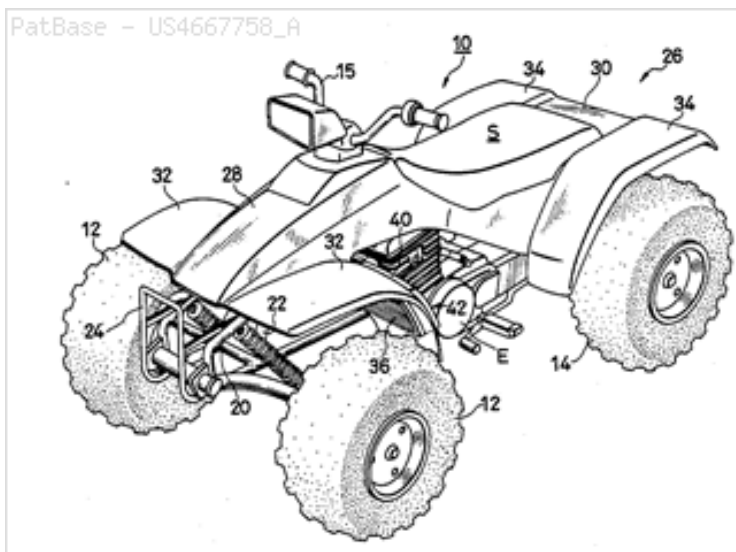
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Title: Arrangement structure of an engine radiator in a straddled type vehicle**Priority:** JP19840196524U 19841228

Family:	Publication number	Publication date	Application number	Application date
	<u>JP1947009 Y</u>	19930719	JP19840196524U	19841228
	<u>JP4018948 Y2</u>	19920428	JP19840196524U	19841228
	<u>JP61113080 U1</u>	19860717	JP19840196524U	19841228
	<u>US4667758 A</u>	19870526	US19850802111	19851125

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** RAYTHEON CO ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK**Inventor(s):**^(std): TAMURA GEN**International class** B62K11/00 B62K5/00 F01P3/18 (Advanced/Invention)
(IPC 8-9):**International class** B60K11/04 B62K11/00 B62K5/00 F01P3/18
(IPC 1-7):**CPC:** B60K11/04**European class:** B60K11/04**US class:** 180/229 180/68.4[Classification Explorer](#)**Cited documents:** US4570740 A, US4557345 A, US4535869 A, US2581072 A, JP60084323 U1, JP59146219 A2, JP59146218 A2, JP22007522 A2, JP13006518 A2, GB190910498 A, GB10498, EP0021657 A2,**Forward Citations:** US9459051, US8042636, US7762367, US7484584, US7296645, US7231996, US7097207, US7097207, US7080704, US6648087, US6102149, US4875829, US4828017, US4776417, US2012325427, US2008236918, US2008223639, US2008190678, US2008006458, US2004188156, US2004135397, US2004124028, FR2935309, FR2679861,**Abstract:**

Source: US4667758A An arrangement of an engine radiator in a straddled type vehicle such as a four-wheel buggy vehicle is improved in that an aperture is formed in the rear wall of each front wheel fender, a first louver is disposed so as to cover the front side of the aperture for achieving a mud-guard function and also introducing running wind flowing along the inner surface of the fender into the aperture, each of engine radiator units which jointly form an engine radiator is supported from a vehicle body frame so as to be positioned behind the first louver as opposed to the aperture, and a second louver is disposed so as to cover the rear side of each engine radiator unit for guiding warm running wind which has passed through the engine radiator unit outwards in the widthwise direction of the vehicle body frame.



106) Family number: 3166491 (US4865372A)

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Title: Shovel–like digging, scooping and transporting apparatus with back–strain relief features**Priority:** US19870011933 19870206 US19880211063 19880620

Family:	Publication number	Publication date	Application number	Application date
	<u>US4865372 A</u>	19890912	US19880211063	19880620

Probable Assignee: GABRIEL EDWIN Z**Assignee(s):**^(std): GABRIEL EDWIN Z**Inventor(s):**^(std): GABRIEL EDWIN Z

International class A01B1/00 E01H5/02 (Advanced/Invention);
^{(IPC 8–9):} A01B1/00 E01H5/00 (Core/Invention)

International class A01B1/04 E01H5/02
^{(IPC 1–7):}

CPC: A01B1/00 E01H5/02**European class:** A01B1/00 E01H5/02**US class:** 294/49 294/54.5 37/130 37/265 37/434[Classification Explorer](#)

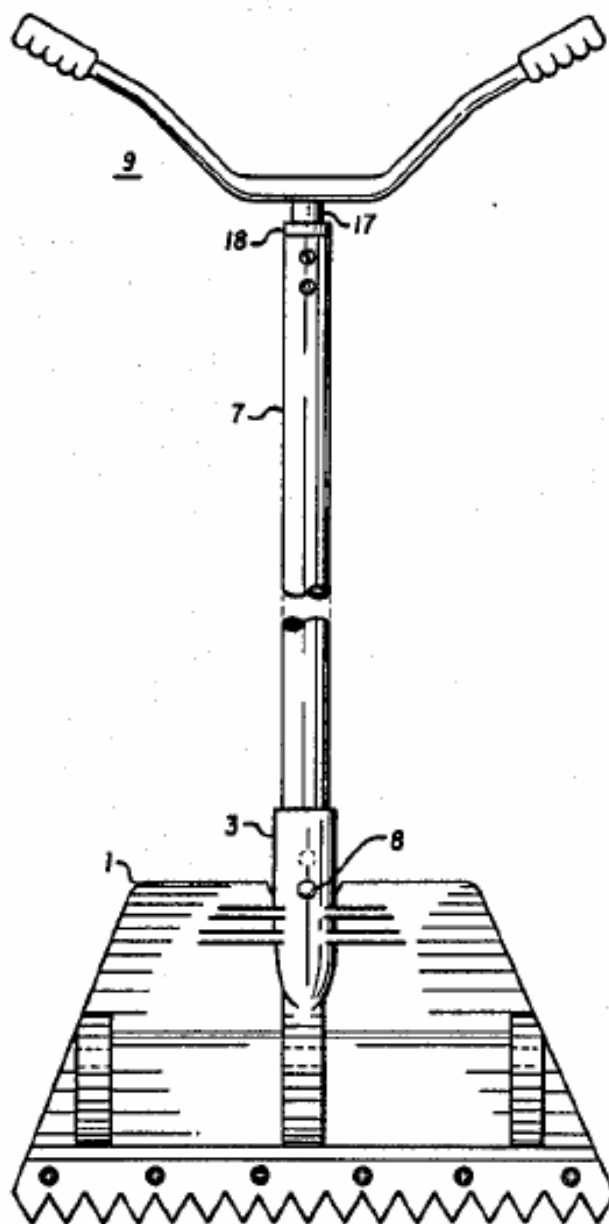
Cited documents: US827542 A, US4316627 A, US3923331 A, US3773375 A, US3248811 A, US316181 A, US3063174 A, US3034237 A, US3024547 A, US3017710 A, US2846785 A, US2752631 A, US2555752 A, US2085382 A, US1803717 A, US1766691 A, IT603538 A, GB695394 A, GB611369 A, CS71519 A,

Forward Citations: WO15187622, WO10000059, USD673018, US9173527, US9096988, US8960744, US8955893, US8720962, US8388031, US8069591, US7681317, US7617666, US7347276, US7252021, US7100313, US6523839, US6360458, US6318213, US6044914, US5927779, US5810375, US5791708, US2015110913, US2014299824, US2013168983, US2013119684, US2009301051, US2009101370, US2008184564, US2008143128, US2007289283, US2006191378, US2006070756, US2006059857, US2006037765, US2005081409, CN104260068,

Abstract:

Source: US4865372A This is a compact shovel-like apparatus capable of performing many tasks, including digging, scooping up materials dug, and then enabling one to transport such materials to a chosen site, where the materials would be dumped without straining one's back. The apparatus consists of a removable handle, including bicycle-like handle bars, a round tubular member, and a shovel-head, capable of holding an ample quantity of materials. Runners are an integral part of the shovel-head's underneath to enable one to push the apparatus over suitable terrain, without lifting. For transportation over hard surfaces, like concrete sidewalks and streets, wheels are provided, as an option. In one embodiment the shovel-head is perforated to permit liquids to be discharged, while retaining nonliquid substances. This head's perforated surface may have a resilient plastic overlay to prevent liquids and powdery substances from passing through the holes. In another embodiment the tubular member's angle can be adjusted to suit the user for the particular gardening task to be performed, thus avoiding back strain. With the aid of the plastic overlay, the same basic shovel-head may be used for all of the embodiments. Also a technique is shown for quickly and effortlessly replacing just the toothed strip of the shovel-head. This apparatus being on wheels would enable some physically handicapped persons to do some gardening and similar tasks, including snow shoveling.

PatBase - US4865372_A



107) Family number: 34894143 (WO07081519A2)

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Title: GENIUS ADAPTIVE DESIGN

Priority: AU20060335151 20061219 AU20130200386 20130125 US20050755291P 20051230
 US20060756607P 20060105 US20060778313P 20060301 US20060783018P 20060315
 WO2006US48704 20061219 US20060786906P 20060328 US20060852794P 20061018

Family:	Publication number	Publication date	Application number	Application date
	AP200804559 A0	20080831	AP20080004559	20061219
	AU2006335151 AA	20070719	AU20060335151	20061219
	AU2013200386 AA	20130221	AU20130200386	20130125
	CA2635954 AA	20080630	CA20062635954	20061219
	CO6160255 A2	20100520	CO20080079355	20080731
	EP2059899 A2	20090520	EP20060849217	20061219
	EP2059899 A4	20120704	EP20060849217	20061219
	IL192465 A0	20090922	IL20060192465	20061219
	IN06638DN2008 A	20100507	IN2008DN06638	20080730
	JP2009522654 T2	20090611	JP20080548620T	20061219
	KR20080112193 A	20081224	KR20087018774	20080730
	KR20130124572 A	20131114	KR20137024611	20061219
	MX2008008625 A1	20090107	MX20080008625	20061219
	NZ570109 A	20110826	NZ20060570109	20061219
	WO07081519 A2	20070719	WO2006US48704	20061219
	WO07081519 C1	20080612	WO2006US48704	20061219

Probable Assignee: INNOVATION INST LLC**Assignee(s):^(std):** CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS**Assignee(s):** WORLD CHARITY DIVISION LICENSELTTODAY COM LLC ; INNOVATION INSTITUTE LLC**Inventor(s):^(std):** CABINALLA LINDA ; KAYS STEVEN**Inventor(s):** STEVEN KAYS**Agent(s):** SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

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 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 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

International class [E06B7/32](#) [G06F17/00](#) [G06F17/30](#) [G06Q](#) [G06Q10/00](#) [G06Q30/00](#) (Advanced/Invention)
 (IPC 8-9):

International class [G06Q30/00](#)
 (IPC 1-7):

CPC: [G06Q10/10](#) [G06F17/30](#) [G06Q30/0601](#)**European class:** [G06Q10/10](#)[Classification Explorer](#)

Forward Citations: WO13144220, WO10091514, US9077848, US9067140, US9051886, US8976218, US8918083, US8878043, US8771064, US8666891, US8594721, US8332918, US8332395, US8244558, US8224375, US8219424, US7917417, US2009187429,

Abstract:

Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

PatBase - W007081519_A2

WD 3007081519

PCT/US2005/018704

FIGURATIVE DRAWINGS SECTION >>>>

PLEASE REMAIN OPEN MINDED & PATIENT WHILE WE IMPROVE OUR NOVEL WAY OF CREATING FIGURATIVE DRAWINGS

FIGURATIVE DRAWINGS TABLE OF CONTENTS:

Adaptive Design Drawings #1, #2, #3.

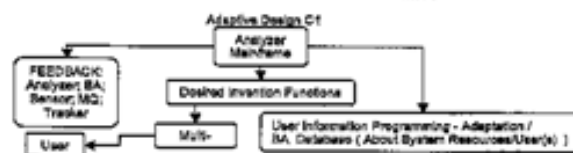
DCS Series Drawings: Originated in the early 1990's the following files were connected by way of dots in DCS:

Files: 1SD, 1CD, 2SD, 3CD, 6SD, 8SD, 97.

Features: Simplified Figurative Drawings - S1 Series

Note, other drawings are currently listed elsewhere in this application as it helps to better understand this application. For now, they can be identified by the page and line number. The codes used in these drawings are explained in the Introduction's Figurative Drawings file. Thank you for your patience as we set up our huge system. For updates and other information kindly visit us at www.LicenseItToday.com.

ADAPTIVE DESIGN FIGURATIVE DRAWINGS



1/22

108) Family number: 15535511 (JP2001114156A)

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Title: ELECTRICAL EQUIPMENT FITTING STRUCTURE FOR MOTORCYCLE

Priority: JP19990297488 19991019

Family:	Publication number	Publication date	Application number	Application date
	<u>JP2001114156 A2</u>	20010424	JP19990297488	19991019

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA

Inventor(s):^(std): NISHIDA TOYOO

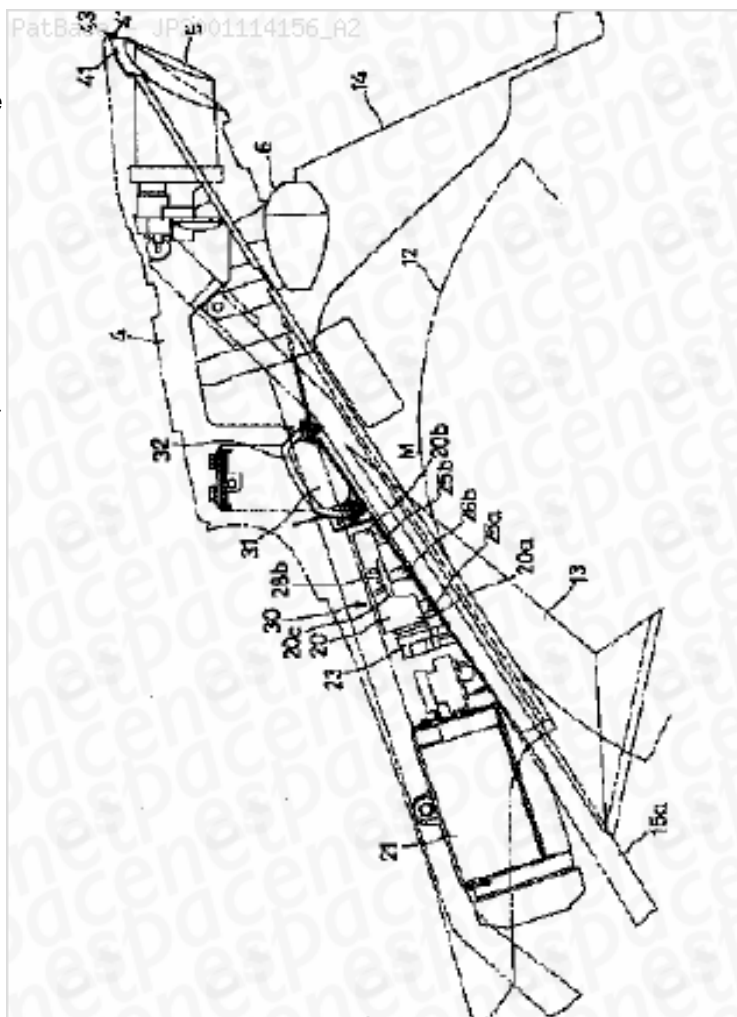
International class B62J11/00 (Advanced/Invention);
(IPC 8-9); B62J11/00 (Core/Invention)

International class B62J11/00
(IPC 1-7);

[Classification Explorer](#)

Abstract:

Source: JP2001114156A PROBLEM TO BE SOLVED: To dispose electrical equipment for a motorcycle by effectively using a dead space formed between a mud guard and a seat. SOLUTION: An assembling space 30 for electrical equipment 20 such as an igniter and the like is formed between a mud guard 2 assembled to a part of a body frame 15 of a motorcycle to cover an upper end part of a rear wheel 12 and a seat 3. The igniter is formed to be gradually reduced in thickness from the body front side to the rear side. The thicker front side part is provided with a connector connecting part 23. This electrical equipment 20 is disposed on a rear fender in a portion nearer to the front of a region corresponding to the top part M of the rear wheel.



0) JP2006082727A – MOTORCYCLE

109) Family number: 32871894 (JP2006082727A)

© PatBase

Title: MOTORCYCLE

Priority: JP20040270589 20040916

Family:

Publication number	Publication date	Application number	Application date
CN100455477 C	20090128	CN200510103406	20050915
CN1749097 A	20060322	CN200510103406	20050915
JP2006082727 A2	20060330	JP20040270589	20040916

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Assignee(s): YAMAHA HATSUDOKI K K ; YAMAHA HATSUDOKI KABUSHIKI KAISHA

Inventor(s):^(std): NOGUCHI TOYOKATSU ; NOICHI FUMIHIKO ; ONODA AKIRA ; TOYOKATSU KOYA
TAKAO IKEDA KOT ; TOYOKATSU NOGUCHI ; TAKAO KOYA ; KOTA IKEDA ;
FUMIHIKO NOICHI ; AKIRA ONODA ; IKEDA KOTA ; KOYA TAKAO

Inventor(s): KOYA TAKAO IKEDA KOTA ONODA AKIRA NOICHI FUMIHIKO ; KOYA TAKAO IKEDA
KOTA ONODA AKIRA NOICHI

International class [B62J15/00](#) [B62J23/00](#) [B62K11/00](#) [B62K25/20](#) (Advanced/Invention) ;
(IPC 8-9) : [B62J15/00](#) [B62J23/00](#) [B62K11/00](#) [B62K25/04](#) (Core/Invention)

[Classification Explorer](#)

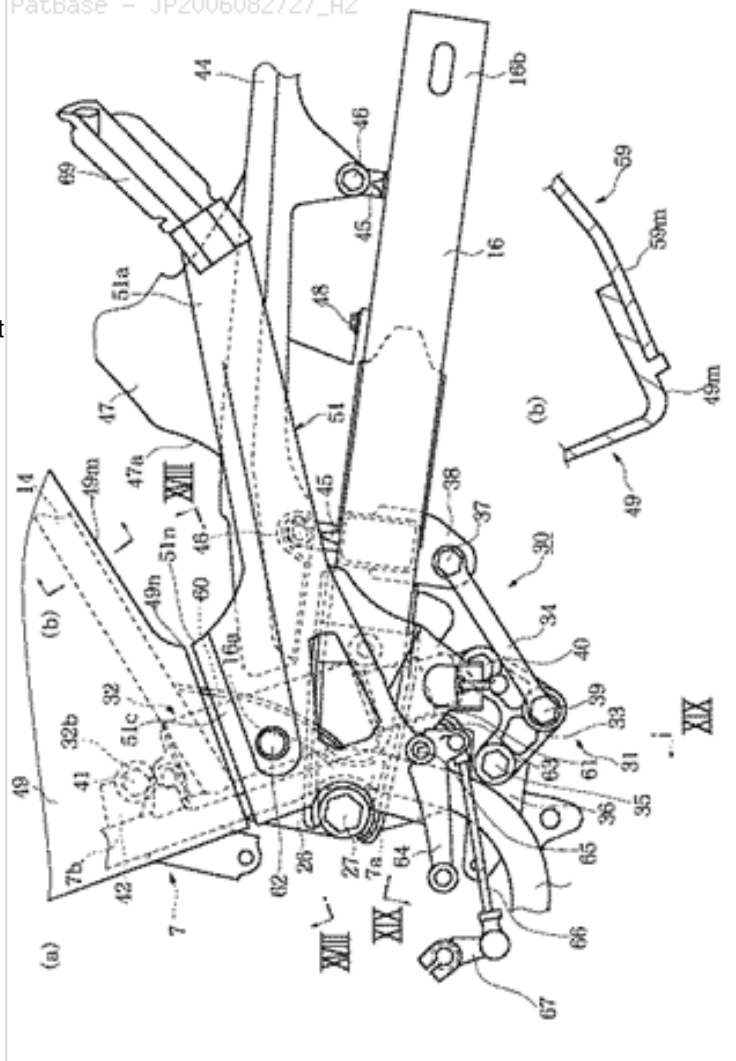
Forward Citations: JP5852072, JP2015063279, EP2246244,

Abstract:

Source: JP2006082727A PROBLEM TO BE SOLVED: To easily perform adjusting work and inspecting work by widening a space between a rear cover and rear wheels.

SOLUTION: This motorcycle 1 is provided with a vehicle body frame 2 mounted with an engine 9 thereon, seats 12 arranged on rear side and upper side of the engine 9, a mud guard 59 for forming storage spaces under the seats 12, a side cover 49 for covering lower sides of the seats 12, a rear arm 16 having a front end part journaled on the vehicle body frame 2 via a pivot shaft 27 and a rear end part for supporting rear wheels, and a rear cushion 32 for supporting the rear arm 16. The rear cushion 32 is provided between the vehicle body frame 2 and the rear arm 16 via a link mechanism 31. The rear cushion 32 is arranged along the vehicle body frame 2 so that a part of the rear cushion 32 may be overlapped with the vehicle body frame 2 in side view. A bottom part of the mud guard 59 and a lower edge part of the side cover 49 are located at the same position.

PatBase - JP2006082727_A2



110) Family number: 50823195 (JP2012046015A)

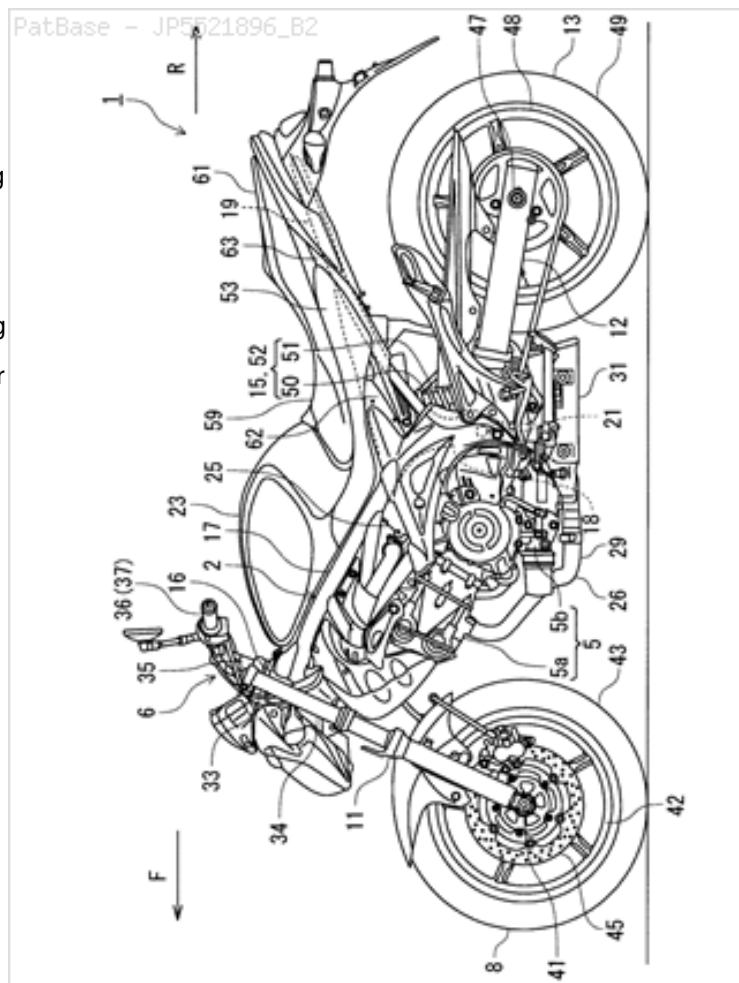
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Title: KEY CYLINDER ARRANGEMENT STRUCTURE FOR MOTORCYCLE**Priority:** JP20100188774 20100825**Family:**

Publication number	Publication date	Application number	Application date
<u>JP2012046015 A2</u>	20120308	JP20100188774	20100825
<u>JP5521896 B2</u>	20140618	JP20100188774	20100825

Probable Assignee: SUZUKI MOTOR CORP**Assignee(s):^(std):** SUZUKI MOTOR CO ; SUZUKI MOTOR CORP**Assignee(s):** SUZUKI KABUSHIKI KAISHA ; SUZUKI KK**Inventor(s):^(std):** NAGANO TSUYOSHI ; SHIMIZU MASAO**International class** B62J1/12 B62J15/00 B62J9/00 E05B17/00 E05B65/12 E05B77/34 E05B83/00 E05B83/18 E05B85/06 E05B9/08 (IPC 8-9): (Advanced/Invention)[Classification Explorer](#)**Forward Citations:** US8978808, EP2783954,**Abstract:**

Source: JP2012046015A PROBLEM TO BE SOLVED: To provide a key cylinder arrangement structure for a motorcycle, capable of preventing sticking of foreign objects such as moisture or mud to a key cylinder or the surrounding approaching during the unlocking operation of the key cylinder. SOLUTION: The key cylinder arrangement structure for a motorcycle 1 includes a rear fender 64 for covering the upper part of a rear wheel 13, a pair of right and left rail covers 53 for partitioning a housing room 66 above the rear fender 64, a locking mechanism for locking an occupant seat 61 for fellow passengers closing the housing room 66, and a key cylinder 68 disposed inside the rail cover 53 to cause the locking mechanism to unlock. The rail cover 53 includes a rear wall 53a having a wall surface extended upward to the rear side of a vehicle body frame 2 to face the rear wheel 13, and a front wall 53b bent from the front end of the rear wall 53a to extend toward the front of the vehicle body frame 2 and having an insertion hole 72 bored for a key 71 inserted into the key cylinder 68.



0) US5807153A – ICE RESCUE VEHICLE

111) Family number: 11143709 (US5807153A)

© PatBase

Title: Ice rescue vehicle

Priority: US19960021555P 19960711 US19970890967 19970710

Family:	Publication number	Publication date	Application number	Application date
	<u>US5807153 A</u>	19980915	US19970890967	19970710

Probable Assignee: ICE RESCUE VEHICLE INC

Assignee(s):^(std): ICE RESCUE VEHICLE INC

Inventor(s):^(std): ALLEN CHARLES E ; WATROUS BRIAN J

International class
(IPC 8-9): B62M27/02 B63C9/32 (Advanced/Invention)

International class
(IPC 1-7): B63C9/32

CPC: B62M27/02 B62M2027/022 B63C9/32

European class: B62M27/02 B63C9/32 L62M27/02C

US class: 440/98 441/82

[Classification Explorer](#)

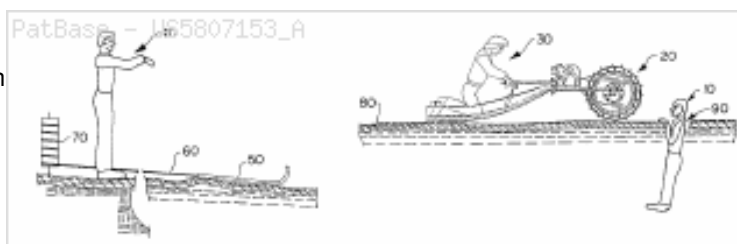
Cited documents: US5624292 A, US5427557 A, US4990114 A, US4717362 A, US3651880 A, US3266453 A, US3190255 A, US2812737 A, US1259470 A,

Forward Citations: US7819225, US7247070, US6558218, US6190222, US2009050408, US2007202756, US2005164575,

Abstract:

Source: US5807153A An ice rescue vehicle used to aid a victim who has fallen through thin ice. The ice rescue vehicle is capable of traveling over ice, water, a broken ice and water mixture, mud, snow and solid ground. The vehicle has a buoyant hollow sled pulled behind a traction wheel that includes a plastic, buoyant, rotating drum. The drum has a number of fins to propel the vehicle in water.

Mounted to the fins are three annular rings having tangs for traction on ice. A small internal combustion engine provides power to turn the drum via two gear belt drives on each side of the drum. Handle bars are used to steer the vehicle, and a throttle control, similar to those used on motorcycles, provides the rescuer with a means to control the engine and vehicle speed. The sled and drum both provide flotation during travel over broken ice and open water.



0) JP2000344171A – FORK BRACE STRUCTURE OF MOTORCYCLE

112) Family number: 13940596 (JP2000344171A)

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Title: FORK BRACE STRUCTURE OF MOTORCYCLE

Priority: JP19990093326 19990331 JP19990212756 19990727

Family:	Publication number	Publication date	Application number	Application date
	JP2000344171 A2	20001212	JP19990212756	19990727

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSHIKI KAISHA

Inventor(s):^(std): OKAWADA NAOYUKI ; SUGIYAMA EIJI ; SUNAGA TAKASHI

International class
(IPC 8-9): [B62J15/00 B62K25/08](#) (Advanced/Invention) ;
[B62J15/00 B62K25/06](#) (Core/Invention)

International class
(IPC 1-7): [B62J15/00 B62K25/08](#)

CPC: [B62J15/00](#)

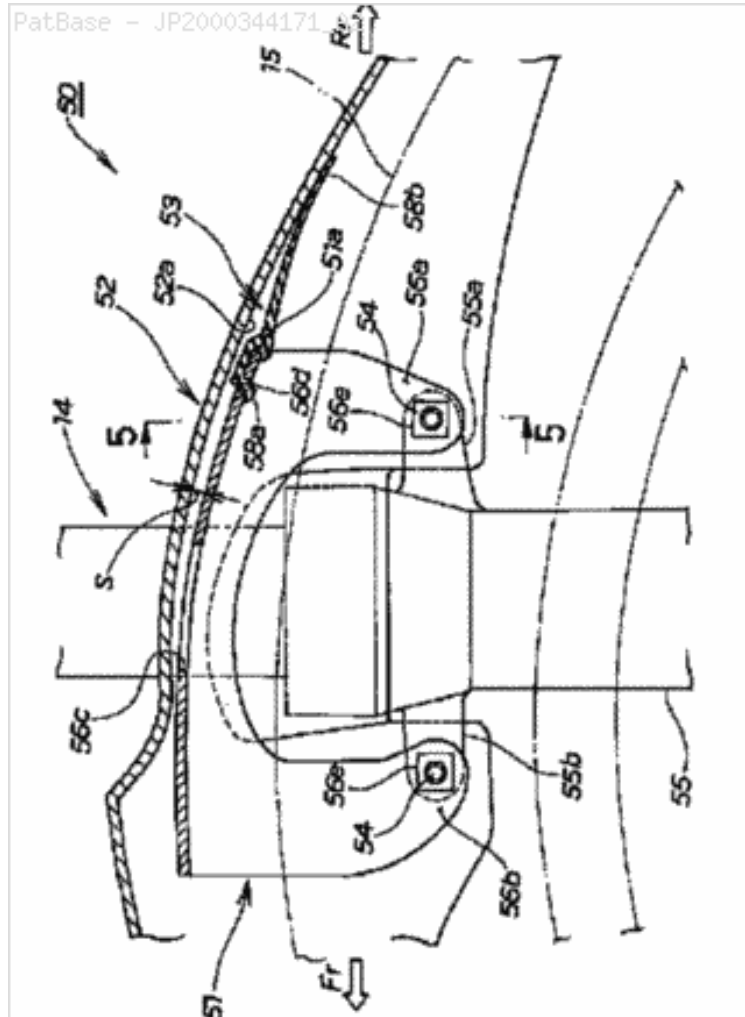
European class: [B62J15/00](#)

[Classification Explorer](#)

Forward Citations: JP4313590, JP2004276722, EP2098442, EP2077219,

Abstract:

Source: JP2000344171A PROBLEM TO BE SOLVED: To shut the opening and to prevent mud from retaining and the like at the rear end of a fork brace. SOLUTION: On a motorcycle, a fork brace 51 to restrain a relative torsion of the front forks 14 is hung on a pair of front forks 14 in right and left supporting a front wheel. The fork brace 51 is arranged below a fender 52 arranged above the front wheel 15 keeping an opening S and followed the shape of the lower surface 52a of the fender 52. A cover member 53 is placed from the rear end 51a of the fork brace 51 to the lower surface 52a of the fender 52 to shut the opening S.



Title: FRONT WHEEL DRIVING BICYCLE**Priority:** CN19892011470U 19890223**Family:**

Publication number	Publication date	Application number	Application date
<u>CN2046476 U</u>	19891025	CN19892011470U	19890223

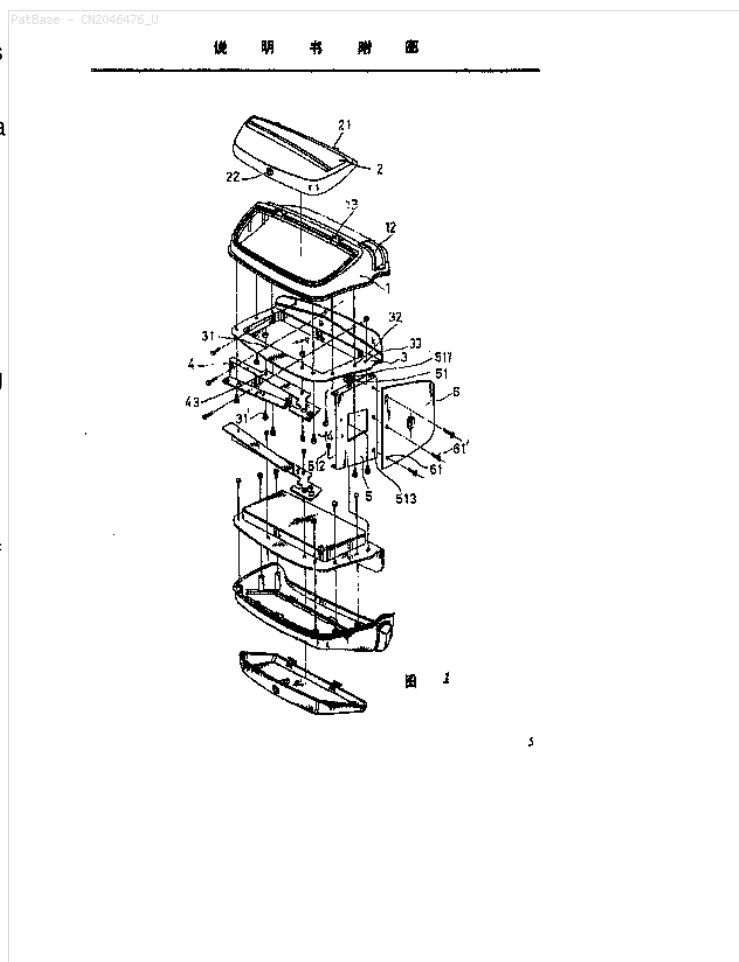
Probable Assignee: TANG FUHUA**Assignee(s):**^(std): TANG FUHUA**Inventor(s):**^(std): FUHUA TANG ; TANG FUHUA

International class B62K21/00 B62K3/00 B62M11/02 (Advanced/Invention);
^{(IPC 8-9):} B62K21/00 B62K3/00 B62M11/00 (Core/Invention)

International class B62K11/00 B62K21/00 B62K3/00 B62M11/02
^{(IPC 1-7):}

[Classification Explorer](#)**Abstract:**

Source: CN2046476U The utility model relates to a motorcycle rear-box assembly fastening device. A box body is composed by making use of a box board 3, a pivot joint slot 13 and a box shell pivot jointed with a box cover together; the motorcycle rear-box assembly fastening device can be sheathed on a transverse rod under a motorcycle rear-seat cooperated with the fastening of a fixing support and the box board, and can be provided with a mudguard cooperated with the fixing of the box body on both sides by a fixing plate. The screws can be loosened or tightened by making use of the lug of the fixing plate and the slot on the box board to regulate the distance of the fixing plate front and back and top and bottom, so the loading and unloading of the motorcycle rear-box assembly fastening device is flexible. The simplified assembly has the streamline beautiful appearance as well as the function of mud prevention, and improves the disadvantage of the inconvenience to the passenger on the rear-seat brought by the common motorcycle rear-box.



114) Family number: 13696625 (JP8216959A)

© PatBase

Title: MOTORCYCLE HAVING THEFT PREVENTING DEVICE**Priority:** JP19950046384 19950210

Family:	Publication number	Publication date	Application number	Application date
	<u>JP3684444 B2</u>	20050817	JP19950046384	19950210
	<u>JP8216959 A2</u>	19960827	JP19950046384	19950210

Probable Assignee: YAMAHA MOTOR CO LTD**Assignee(s):^(std):** YAMAHA MOTOR CO LTD**Assignee(s):** YAMAHA HATSUDOKI KABUSHIKI KAISHA**Inventor(s):^(std):** HIRANO FUMITO ; SETO HIROAKI

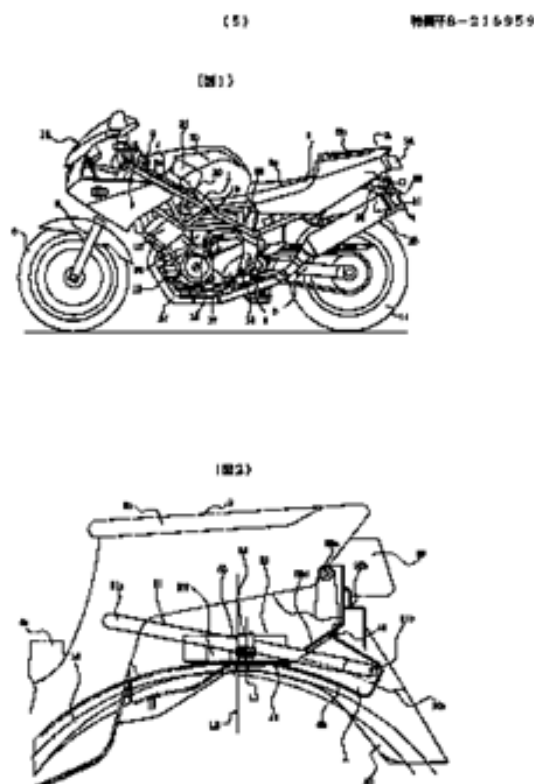
International class B62H5/00 B62H5/16 B62K11/00 (Advanced/Invention);
 (IPC 8-9): B62H5/00 B62K11/00 (Core/Invention)

International class B62H5/00 B62H5/16 B62K11/00
 (IPC 1-7):

[Classification Explorer](#)**Abstract:**

Source: JP8216959A PURPOSE: To reduce the containing space of a lock body by a method wherein the lock body is removably arranged between a mud guard to cover the upper part of a rear wheel therewith and a seat, and the two engaging parts of the lock body are disposed in an inclining state in such a manner that the two engaging parts are positioned approximately horizontally and the level of the front side of a bent part is raised and the levels of the rear sides of the two engaging parts are lowered. CONSTITUTION: A burglar preventing device 50 arranged between a mud guard 30 to cover the upper part of a rear wheel and a seat 3 comprises a U-shaped lock body 51 having a bent part 51a and two engaging parts 51b; and a key member 52 locked and coupled to the two engaging parts 51b of the lock body 51. After the lock body 51 coupled to a fixed substance, such as a column, it is lock to prevent the occurrence of a burglar. In this case, the lock body 51 is inclined in such a manner that the bent part 51a has the front side raised to a high position and the two engaging parts 51b have the rear side lowered to a low position and an axial direction is extended along the longitudinal direction of a vehicle. This constitution contains the lock body 51 without stretching the seat 3 to a rear.

PatBase - JP8216959_A2



0) CN301327974S – MOTORCYCLE FRONT FENDER (GHOST) (MACHINE TRAN...

115) Family number: 46754243 (CN301327974S)

© PatBase

Title: Motorcycle front fender (ghost) (Machine translation)

Priority: CN200930680237F 20091216

Family:	Publication number	Publication date	Application number	Application date
	<u>CN301327974 S</u>	20100825	CN200930680237F	20091216

Locarno class: 12/11

Abstract:

Source: CN301327974S [Source: Claim 1]

1. The name of the product design:
Motorcycle front fender (ghost). 2. The
design of products for the motorcycle front
wheel cover, preventing mud and water. 3.
The design features the product design in
the shape of the product. 4. Specify Image:
Three-dimensional map.

0) CN301327977S – MOTORCYCLE FRONT FENDER (LIE BEAST) (MACHINE ...

116) Family number: 46754276 (CN301327977S)

© PatBase

Title: Motorcycle front fender (Lie beast) (Machine translation)

Priority: CN200930680243F 20091216

Family:	Publication number	Publication date	Application number	Application date
	<u>CN301327977 S</u>	20100825	CN200930680243F	20091216

Locarno class: 12/11

Abstract:

Source: CN301327977S [Source: Claim 1]

1. The name of the product design:
Motorcycle front fender (strong beast). 2.
The design of products for the motorcycle
front wheel cover, preventing mud and
water. 3. The design features the product
design in the shape of the product. 4.
Specify Image: Three-dimensional map.

117) Family number: 62607365 (CN205292916U)

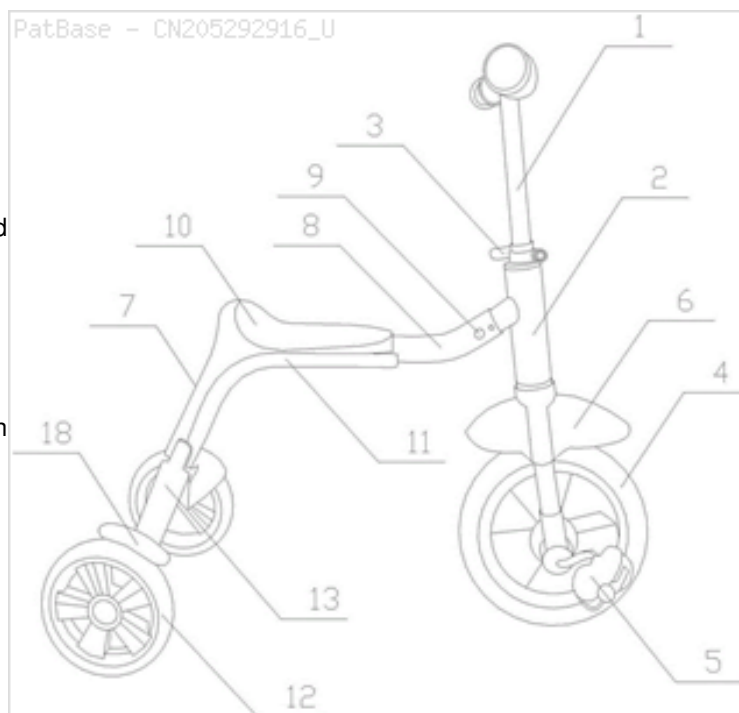
© PatBase

Title: MULTI –FUNCTIONAL CHILDREN THREE –WHEELED SCOOTER**Priority:** CN201620019802U 20160111

Family:	Publication number	Publication date	Application number	Application date
	<u>CN205292916 U</u>	20160608	CN201620019802U	20160111

Probable Assignee: NIE JUNBO**Assignee(s):^(std):** NIE JUNBO**Assignee(s):** LI JUNBO**Inventor(s):^(std):** NIE JUNBO**International class** B62K13/00 B62K9/02 (Advanced/Invention)
(IPC 8–9):[Classification Explorer](#)**Abstract:**

Source: CN205292916U The utility model discloses a multi –functional children three –wheeled scooter, it relates to the children toy car field, the one end of bedplate is passed through through playing beans fixed connection between support frame and the front wheel fixing base, wherein the bedplate comprises saddle and footboard, be connected with the right leg of car by car left side leg between the rear wheel of footboard and both sides, pass through four screw fixed connection between the one end of car left side leg and car right side leg and the bedplate, one side of car left side leg and car right side leg all is provided with the gear, and through gear intermeshing, all be provided with the fixed axle in car left side leg and the car right side leg, the top of car left side leg and car right side leg all is provided with hasp and locking plate, the one end of car left side leg and car right side leg respectively and be provided with back chock mud between the rear wheel of both sides and cover. Its structural design is reasonable, and the appearance is pleasing to the eye, and novel structure is unique, easy operation, and convenient to use, the function is diversified, and the security is high, can make tricycle and scooter interconversion use through the rotation, and the whole car is dual –purpose, is applicable to the children in difference stages at age.



0) CN303718332S – MOTORCYCLE FORK OUTER COVER (RIGHT) (MACHINE ...

118) Family number: 62723415 (CN303718332S)

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Title: Motorcycle fork outer cover (right) (Machine translation)

Priority: CN201530552555F 20151223

Family:	Publication number	Publication date	Application number	Application date
	<u>CN303718332_S</u>	20160622	CN201530552555F	20151223

Probable Assignee: CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Assignee(s): CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Locarno class: 12/11

Abstract:

Source: CN303718332S 1. The exterior design of the product name: motorcycle fork outer cover (right). 2. The product design Uses: This product is used for the design with a front fender, front wheel blocked the process of moving mud. 3. The design features the product's design: that the shape of the product. 4. The best indicator of the design elements of the design drawings or photographs: front view.



0) CN303718333S – MOTORCYCLE FORK OUTER COVER (LEFT) (MACHINE T...

119) Family number: 62723473 (CN303718333S)

© PatBase

Title: Motorcycle fork outer cover (left) (Machine translation)

Priority: CN201530552563F 20151223

Family:	Publication number	Publication date	Application number	Application date
	CN303718333 S	20160622	CN201530552563F	20151223

Probable Assignee: CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Assignee(s): CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Locarno class: 12/11

Abstract:

Source: CN303718333S 1. The exterior design of the product name: motorcycle fork outer cover (left). 2. The product design Uses: This product is used for the design with a front fender, front wheel blocked the process of moving mud. 3. The design features the product's design: that the shape of the product. 4. The best indicator of the design elements of the design drawings or photographs: front view.



120) Family number: 743072 (GB1286681A)

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Title: FLOAT SYSTEM FOR AMPHIBIOUS VEHICLES**Priority:** GB19690021881 19690429

Family:	Publication number	Publication date	Application number	Application date
	<u>GB1286681 A</u>	19720823	GB19690021881	19690429

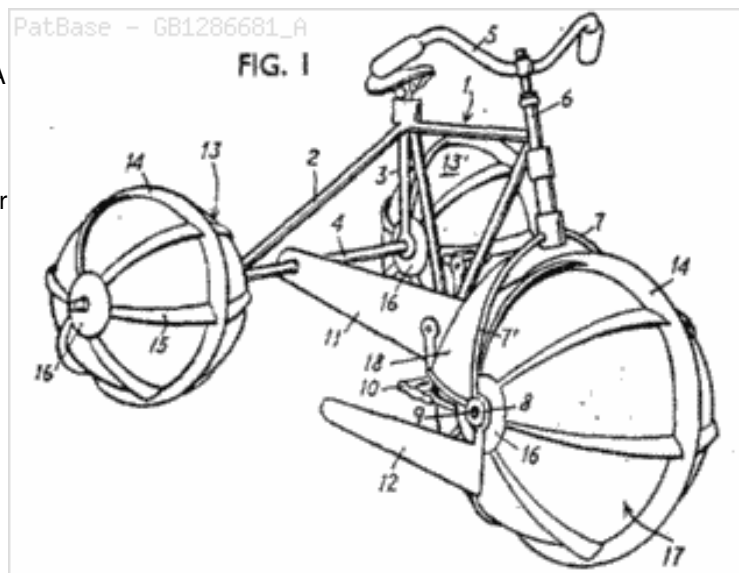
Probable Assignee: MORAGA ERNESTO OCTAVIO**Assignee(s):^(std):** MORAGA ERNESTO OCTAVIO**Assignee(s):** ERNESTO OCTAVIO MORAGA**Inventor(s):^(std):** MORAGA ERNESTO OCTAVIO**Inventor(s):** ERNESTO OCTAVIO MORAGA

International class B60F3/00 B63H1/38 (Advanced/Invention);
 (IPC 8-9): B60F3/00 B63H1/00 (Core/Invention)

International class B60F3/00 B63B35/72
 (IPC 1-7):

CPC: B60F3/0084 B63H1/38**European class:** B60F3/00D4 B63H1/38[Classification Explorer](#)**Forward Citations:** WO9402352, WO0066419, US4225147, GB2346839, GB2224698, GB2190635, FR2589816, FR2363475, FR2363475, EP0112596,**Abstract:**

Source: GB1286681A 1286681 Amphibious vehicles; cycles; vehicle wheels E O MORAGA 16 June 1969 [29 April 1969] 21881/69 Headings B7A B7C B7E and B7V An amphibious vehicle, e.g. a tricycle, is supported by inflatable floats 13, 17 of flexible material, each provided with a central rib 14 for use on land and ribs 15 for providing propulsion on water. The floats may be spherical, as shown, or cylindrical, or in the form of flattened spheres, Figs. 2 to 4 (not shown). Rear floats 13 may be driven by pedals 10 or a motor. Front float 17 is connected to handle bars 5, a rudder 12 on either side of the float providing steering. A spray guard 18 is mounted behind the front float. The vehicle may be made to a reduced scale as a toy.



Title: Car driving simulator, has vehicle fitted with normal controls and located in front of virtual driving display synchronized with sound installation

Priority: BE20020000394 20020618

Family:

Publication number	Publication date	Application number	Application date
BE1014884 AG	20040504	BE20020000394	20020618

Probable Assignee: JANSSENS M

Assignee(s):(std): JANSSENS M

International class G09B9/042 (Advanced/Invention);
(IPC 8-9): G09B9/04 (Core/Invention)

International class G09B9/042
(IPC 1-7).

CPC: G09B9/042

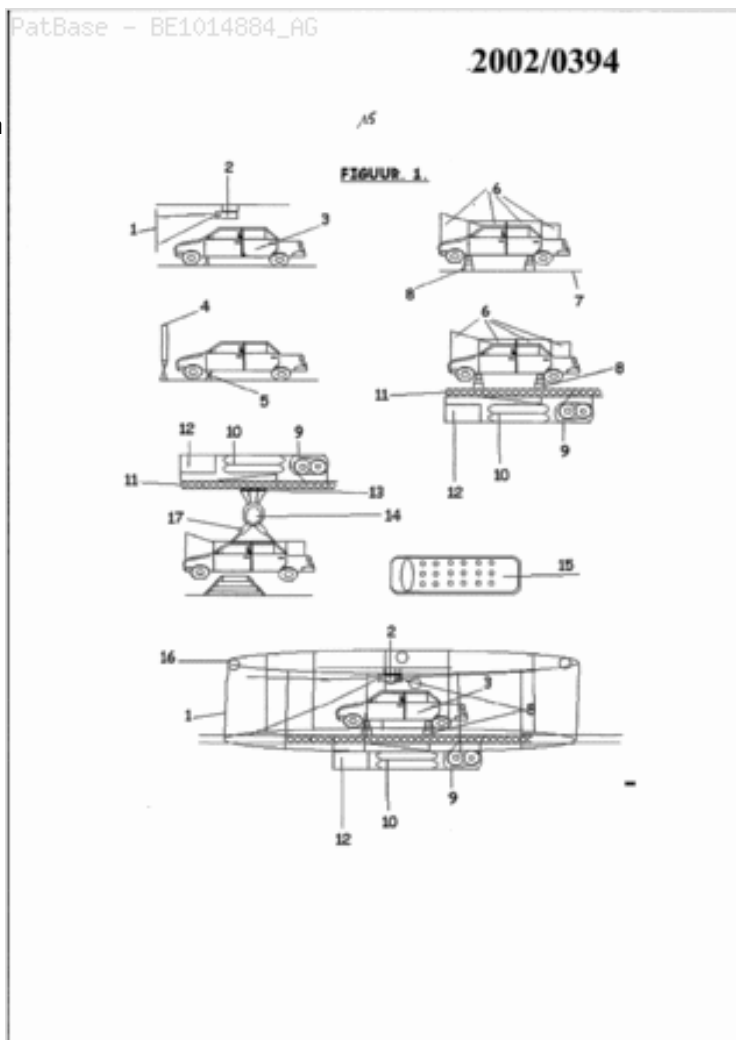
European class: G09B9/042

Classification Explorer

Forward Citations: US8333592.

Abstract:

A vehicle (3) supported on top of a mechanical structure (5), suspended from a structure (13, 14), mounted in a movable mechanical and/or hydraulic structure or resting with its wheels on the ground is fitted with all the normal controls found inside a vehicle, i.e. steering, indicators, brake and gas pedals, switches, speedometer and handbrake, as well as standard essential fittings such as windscreen wipers, fog lamp indicators and rear view mirror. The vehicle is located in front of a realistic virtual driving display (1, 2, 4, 6) formed e.g. on a screen or by a projection, which is combined with an optional 3-dimensional sound installation (12, 16) inside and/or outside the vehicle, which works in synchronism with the visual display, e.g. to provide the sound of a horn from an approaching lorry, the squeal of suddenly applied brakes, the jolting of an engine, accident noises or the sound of an emergency vehicle approaching from the rear. The driver can sit alone or accompanied inside the vehicle. The vehicle is equipped with various sensors, computers, buttons, communication systems, measuring devices and/or recording devices such as cameras or biometric equipment. Various routes, environments and traffic situations can be chosen and/or produced at random from a database, optionally by a person accompanying the driver and/or a computer inside or outside the vehicle.



122) Family number: 41138070 (CN200981623Y)

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Title: Right shock absorber for motorcycle**Priority:** CN200620125748U 20061122

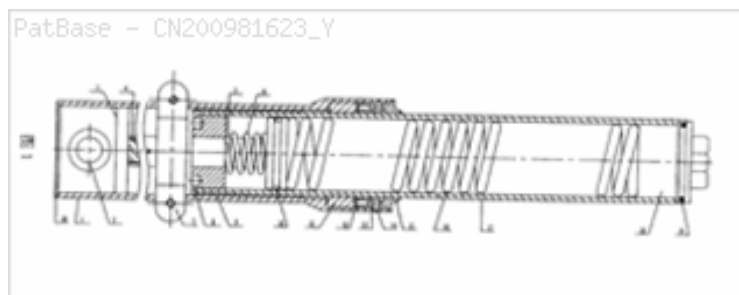
Family:	Publication number	Publication date	Application number	Application date
	<u>CN200981623 Y</u>	20071128	CN200620125748U	20061122

Probable Assignee: JIANPING FEI**Assignee(s):^(std):** JIANPING FEI**Assignee(s):** FEI JIANPING**Inventor(s):^(std):** JIANPING FEI**Inventor(s):** FEI JIANPING

International class B62K25/08 (Advanced/Invention);
 (IPC 8-9) B62K25/06 (Core/Invention)

[Classification Explorer](#)**Abstract:**

Source: CN200981623Y The utility model relates to a right shock reducer for a motor bicycle, belonging to the motor bicycle accessory technical field. The utility model essentially uses a barrel connected with a handle bar, a plunger piston connected in the barrel is connected with a cylinder rod arranged with a damping spring in order to fix a front fork pipe, a mud board support is connected with the outside of the barrel, the spring is arranged in the top of the barrel and a grease seal jump ring, the front fork pipe is arranged with a cylinder rod spring, the bottom closing cover is connected with the bottom of the barrel. The utility model is characterized in that the brake is limited connected with the outer portion of the barrel and has the same center with the sleeve and is fixed with the front wheel brake, a nylon ring is arranged in the groove of the cylinder rod, the nylon ring or the powder element both of which are arranged on the upper portion of the barrel are connected with a compensating gage, a grease seal, and a dust cap in order to fix the center of the front fork pipe. The utility model has simple, compact and reasonable structure, and can rebound fully under the condition of loading weight, and has not abnormal case via a million times of fatigue tests without oil leaking and handle bar abrasion and the like. The hydraulic pressure restriction mode has the function of amortization. The utility model has advantages of big amortization, strong impact force resistance, good shockproof effect and long life time. The raw material is substantially steel, thereby not only saving the resource of aluminum, but also improving impact force resistance of shock absorption.



123) Family number: 42290091 (JP3018647U)

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Title: Tricycle for children of chauffeured Press (Machine translation)

Priority: JP19950612295U 19950525

Family:

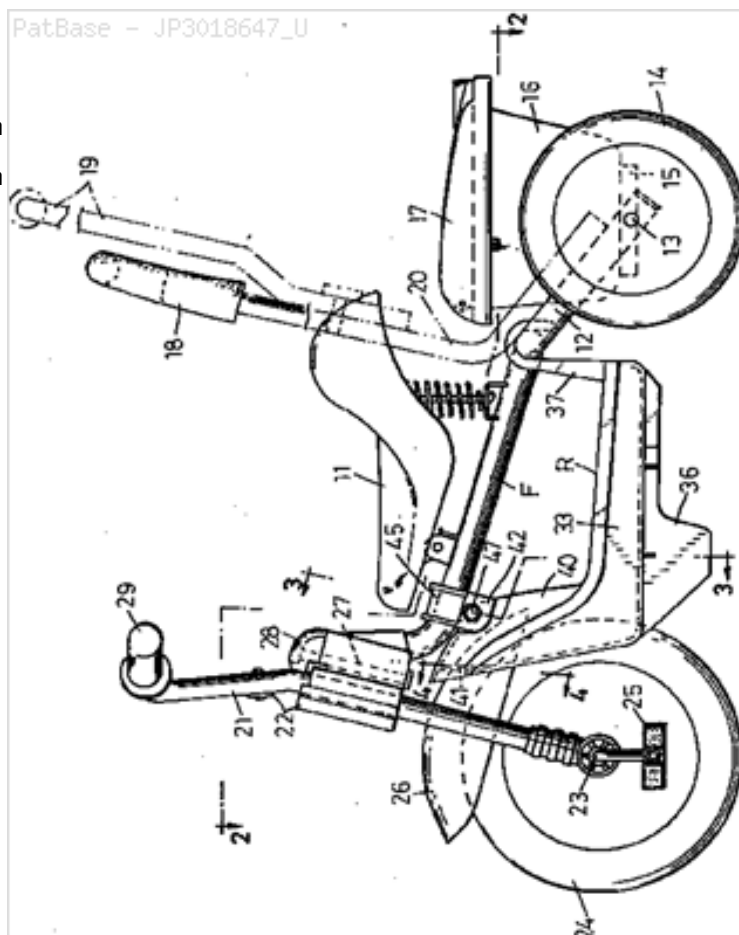
Publication number	Publication date	Application number	Application date
JP3018647 U	19951128	JP19950006122U	19950525

International class B62J25/00 B62K9/02
(IPC 1-7):

Abstract:

Source: JP3018647U

Machine translation: [summary] To provide a tricycle of chauffeured press equipped with a Purpose Futsutoresuto infant. from a total of three locations (12) and a rear end portion that forms the Riyafuoku [configuration], and the vehicle body frame (F), along with the Futsutoresuto hung detachably (R) Futsutoresuto infant, suspended its use (R thereby suppressed engaged to (26) mud cover (24) front wheel, the steering was maintained non-fixed (21) handle the steering stem (24) that a subset of the front wheel).



0) GB303619A – IMPROVEMENTS IN FRAMES FOR MOTOR CYCLES

124) Family number: 18602473 (GB303619A)

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Title: Improvements in frames for motor cycles

Priority: GB19270031469 19271123

Family:	Publication number	Publication date	Application number	Application date
	GB303619 A	19290110	GB19270031469	19271123

Probable Assignee: STANLEY LAURENCE GROOM

Assignee(s):^(std): CYRIL GEORGE PULLIN ; STANLEY LAURENCE GROOM

International class
(IPC 8-9): [B62K11/04](#) (Advanced/Invention);
[B62K11/00](#) (Core/Invention)

International class
(IPC 1-7): [B62K11/08](#)

CPC: [B62K11/04](#)

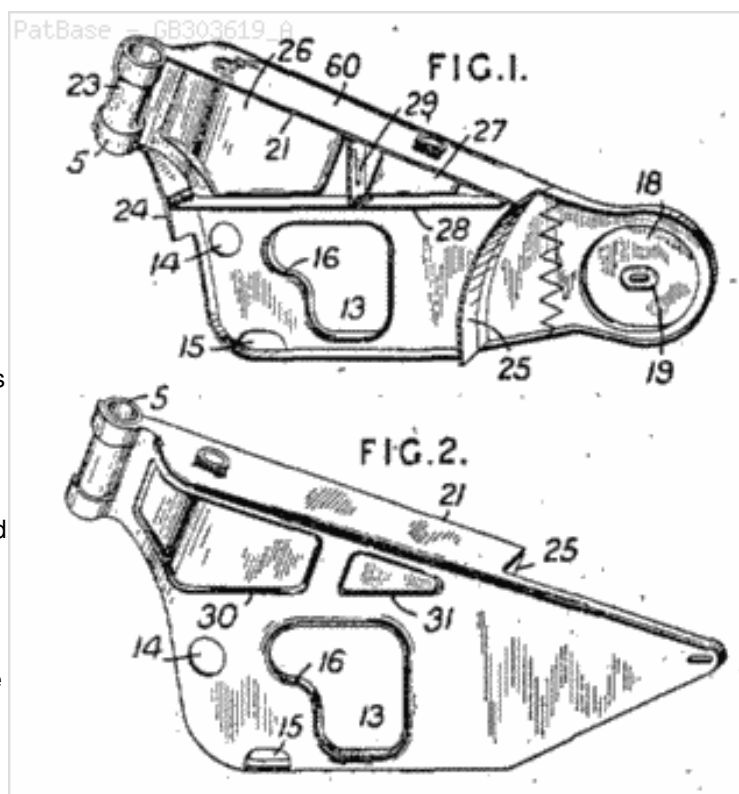
European class: [B62K11/04](#)

[Classification Explorer](#)

Forward Citations: US5158733, US4986949, US4941674, US4923203, US4902458, US4889355, US4828781, US4513986,

Abstract:

Source: GB303619A Fuel containers.—In a motor-cycle frame of the type formed of sheet-metal in two main side parts joined around their edges, as described for example in Specification 165,485, [Class 136 (i), Cycle and c. accessories], each side, as shown respectively in Figs. 1 and 2, is substantially triangular and extends from the steering-head 5 to the rear wheel attachment, the two sides being joined together near the back by a curved partition plate 25, which serves as the lower part of the rear wheel mud-guard. The upper part of the space inside the frame is divided into compartments, forming fuel tanks and c. such as 26, 27, by means of sheet-metal strips 28, 29 soldered, welded, and c. to the side plates. The side plates are pressed, inwards or outwards as at 30, 31 to form panels corresponding to the shapes of the tanks. In a modification, separately-formed tanks are housed in the upper space between the side plates, and are secured by screwed members engaging their filler-cap necks, which extend through apertures in the upper flanges 60 of the plates. Soft material such as felt or rubber is placed between the tops of the tanks and the flanges 60.



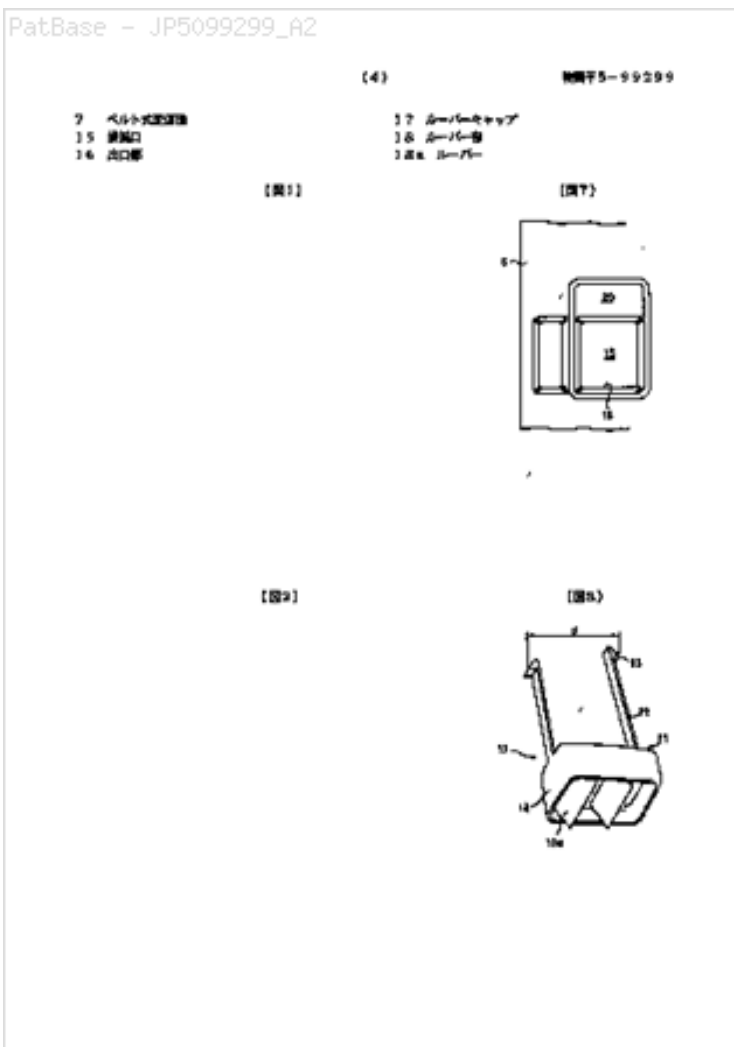
125) Family number: 10014547 (JP5099299A)

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Title:	TRANSMISSION CASE FOR BELT TYPE TRANSMISSION OF MOTORCYCLE			
Priority:	JP19910042601 19910214			
Family:	Publication number	Publication date	Application number	Application date
	<u>JP3212625 B2</u>	20010925	JP19910042601	19910214
	<u>JP5099299 A2</u>	19930420	JP19910042601	19910214

Probable Assignee: HONDA MOTOR CO LTD**Assignee(s):**^(std): HONDA MOTOR CO LTD**Assignee(s):** HONDA GIKEN KOGYO KABUSHIKI KAISHA**Inventor(s):**^(std): ASUMI MICHIO ; KONAKA JUNJI ; UKIANA KAZUOKI ; YAZAKI AKIO**International class**
(IPC 8-9): B62J99/00 B62M9/08 F16H27/02 F16H57/02 F16H57/035 F16H57/04 (Advanced/Invention)**International class**
(IPC 1-7): B62J39/00 B62M9/08 F16H57/02 F16H57/04[Classification Explorer](#)**Forward Citations:** JP4675171, JP2012097868, JP2010265933, JP2007010024,**Abstract:**

Source: JP5099299A PURPOSE:To prevent water splashed by a front wheel from entering the interior of a transmission case from an exhaust port without changing the structure of a transmission cover. CONSTITUTION:A louver cap 17 having elasticity is installed in an exhaust port 15 opened downward in the transmission cover 6 of a transmission case 5. Thus, a louver portion 18 formed on the louver cap 17 covers the outlet portion 16 of the exhaust port 15 to prevent splashed water from entering the interior of the transmission case 5 from the exhaust port 15.



0) JP62233454A – PROTECTING DEVICE FOR SPARK PLUG ATTACHING HOLE...

126) Family number: 8856896 (JP62233454A)

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Title: PROTECTING DEVICE FOR SPARK PLUG ATTACHING HOLE IN MOTOR CYCLE ENGINE

Priority: JP19860076391 19860402

Family:	Publication number	Publication date	Application number	Application date
	<u>JP62233454 A2</u>	19871013	JP19860076391	19860402

Probable Assignee: YAMAHA MOTOR CO LTD

Assignee(s):^(std): YAMAHA MOTOR CO LTD

Inventor(s):^(std): KAMIMURA MITSUAKI ; TERASHITA NOBUYUKI

International class
^(IPC 8-9): F02F1/24 F02P13/00 (Advanced/Invention);
F02B61/02 F02B75/02 (Advanced/Non-invention);
F02F1/24 F02P13/00 (Core/Invention);
F02B61/00 F02B75/02 (Core/Non-invention)

International class
^(IPC 1-7): F02F1/24 F02P13/00

CPC: F02B61/02 F02B2075/027 F02B2275/18 F02F1/242

European class: F02F1/24B R02B275/18 R02B61/02 R02B75/02S4

[Classification Explorer](#)

Forward Citations: JP2141680, JP1158540,

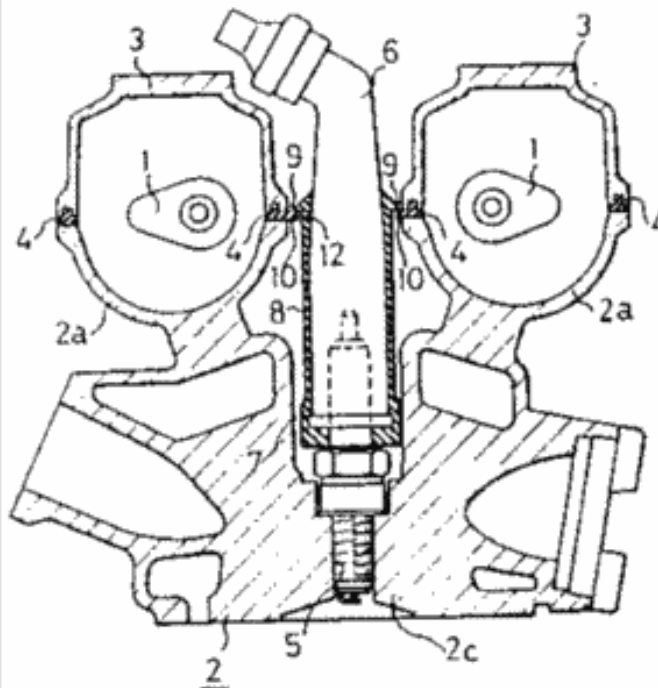
Abstract:

Source: JP62233454A PURPOSE: To protect an attaching hole for a spark plug, by incorporating an overhanging piece integrally with a gasket disposed between a cylinder head and a cover therefor, and by mounting a cap member provided with a locking piece adapted to be superposed with the overhanging piece, on the spark plug.

CONSTITUTION: Cam chambers 2a are formed in the vicinity of a cam shaft 1 and are provided with head covers 3, and a gasket 4 is disposed between the contact surfaces of the cam chambers and the head covers 3. In the above-mentioned arrangement, the gasket 4 is integrally incorporated with an overhanging piece 10 which overhangs outward and covers the space between the cam chambers 2a.

Further, a spark plug 6 is mounted thereon with a cap member 7, thereafter, is fitted in a through-hole in the overhanging piece 10, and is then screwed into an attaching hole 5. With this arrangement, a locking piece 9 overhanging from the base section 9 of the cap member 7 covering the outer peripheral surface of the spark plug 6 is superposed with the overhanging piece 10, thereby it is possible to protect the spark plug attaching hole from mud splashed up from the front wheel of a motor-cycle.

PatBase - JP62233454_A2



0) TWM538898Y – BOTTOM CAP OF MOTORCYCLE

127) Family number: 65376586 (TWM538898Y)

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Title: BOTTOM CAP OF MOTORCYCLE

Priority: TW20160208944U 20160615

Family:	Publication number	Publication date	Application number	Application date
	<u>TWM538898 Y</u>	20170401	TW20160208944U	20160615

Probable Assignee: SANYANG IND CO LTD

Assignee(s): SANYANG IND CO LTD

International class B62J23/00 (Advanced/Invention)
(IPC 8-9).

[Classification Explorer](#)

Abstract:

Source: TWM538898Y This creation is related to a bottom cover structure of locomotive, including: one with the bottom of the side panel and at least one bezel, in which at least one bezel set in towards the front of the side panel, at least one plate and side plate angle is between a stop angle range, along the tangent direction of the front wheels to prevent foreign bodies spilled on the locomotive and one of the Interior. In this way, improve locomotive first rotation when on the move, its carrying water, mud and gravel... Spray to the Interior Department issues, effectively reducing chances of damage and corrosion of parts and extend its useful life.

128) Family number: 32382879 (US2005241608A)

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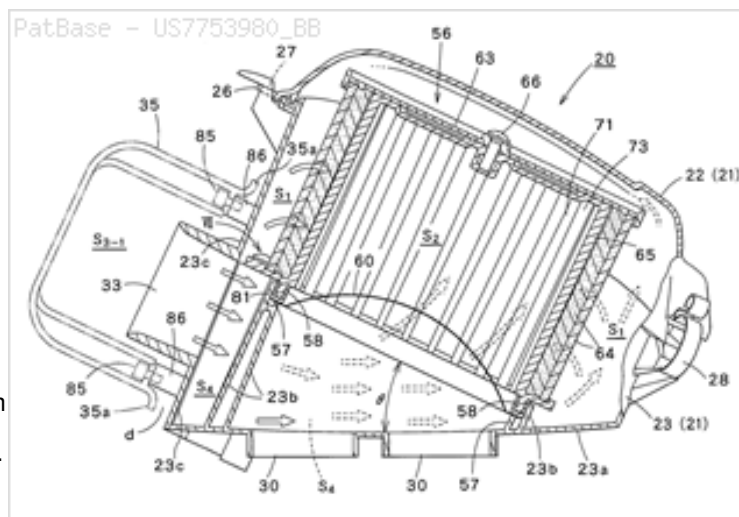
Title: AIR CLEANER
Priority: JP20040135919 20040430
Family:

Publication number	Publication date	Application number	Application date
JP2005315213 A2	20051110	JP20040135919	20040430
US2005241608 AA	20051103	US20050114119	20050426
US7753980 BB	20100713	US20050114119	20050426

Probable Assignee: KAWASAKI JUKOGYO KK
Assignee(s):^(std): KAWASAKI HEAVY IND LTD
Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK
Inventor(s):^(std): TAKANO TAKAHITO ; TAKANO KIYOHITO ; KUYAMA KOHEI ; KOBAYASHI YASUTAKA
Agent(s): OLIFF AND BERRIDGE PLC
International class
 (IPC 8-9): B01D39/00 B01D50/00 B01D59/50 F02M35/02 F02M35/024 F02M35/04 F02M35/10 F02M35/16 (Advanced/Invention);
F02M35/00 F02M35/02 F02M35/10 (Core/Invention)
International class
 (IPC 1-7): F02M35/024 F02M35/10 F02M35/16
CPC: F02M35/0203 F02M35/04 F02M35/10013 F02M35/10222 F02M35/10275 F02M35/162
European class: F02M35/02H2C F02M35/04 F02M35/10K10 F02M35/16C R02M35/10A2 R02M35/10F4
US class: 123/198.00E 123/198.00EP 123/198E 55/315 55/385.3 55/493 55/495
[Classification Explorer](#)
Cited documents: US7128643 BB, US6884274 BB, US6854157 BB, US6840973 BB, US6099608 A, US6015444 A, US5918576 A, US4907552 A, US4482365 A, US4274330 A, US4233043 A, US4219901 A, US3722182 A, US3451584 A, US2069379 A, US2004020003 AA, JP286916, JP221113, JP2003286916 A2, JP2001221113 A2,
Forward Citations: US9581112, US9510718, US9345372, US8904986, US8652238, US8557008, US8313545, US8206482, US8152880, US2015361932, US2015000234, US2013097981, US2010170211, US2010000414, US2009095249, US2008282654,

Abstract:

Source: US2005241608A The present air cleaner includes: a cleaner case having a bottom wall, a circumferential side wall provided with an air inlet in its lower part, and a support wall formed on the bottom wall inside the circumferential side wall; and a cylindrical cleaner element supported on an upper end portion of the support wall. An air chamber is defined by the cleaner case, the support wall, and the cleaner element so as to surround the cleaner element and the support wall. A bottom of the cleaner element is inclined at an angle to the bottom wall of the cleaner case so that a distance between the bottom wall of the cleaner case and the bottom of the cleaner element increases from a side opposite to the air inlet toward an air inlet side.



• **search:** SS4 ft=vehicle and two front wheels and fender* (Results 41)

- **search:** SS5 ft=fender* and mud and (quad or motorcycle) (Results 186)
- **search:** SS6 ft=all and terrain and vehicle and fender (Results 140)
- **search:** SS7 ft=vehicle and front and fender and (saddle or seat) and mud (Results 65)