Search history

Search 1: ft=(vehicle) and two front wheels and fender* (Results 41)

Search 2: FT=fender* and mud and (quad or motorcycle) (Results 186)

Search 3: FT=all and terrain and vehicle and fender* (Results 165)

Search 4: ft=vehicle and front and fender (Results 4477)

Search 5: ft=vehicle and front and fender and (saddle or seat) (Results 803)

Search 6: ft=vehicle and front and fender and (saddle or seat) and mud (Results 65)

- session log created:17 April 2017 03:24:23
- Update information:

PatBase Coverage at Update 2017 Week 14 (Year 2017 Week 14)

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	20170405	19850910	20170405
	Patents	19930106	20170405	19930106	20170405
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20170405	19930106	20170405
	Designs	19850910	20170405	19850910	20150819
DE Germany	Patent Applications	19211221	20170406	19650317	20170406
	Patents	18770101	20170406	19200113	20170406
	Utility Models	19280626	20170406	19610831	20170406
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20170405	19781220	20170405
	Patents	19800109	20170405	19800109	20170405
FR France	Patent Applications	19690307	20170407	19810102	20170317
	Patents	18550227	20170407	19600502	20170407
	Utility Model Applications	19720107	20170407	19800104	20170317
	Utility Models	19730112	20170407	19690802	20170407
GB United Kingdom	Unpublished Patent Applications	19830209	20170208		
		19790104	20170405	19790104	20170322

	Patent Applications				
	Patents	17820704	20170405	19020911	19811216
JP Japan	Patent Applications	19710116	20170406	19930108	20170330
	Patents	19281026	20170329	19960529	20170329
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20170323	19940726	20101216
KR Republic of Korea	Patent Applications	19781209	20170407	19940103	20170407
	Patents	19700820	20170407	19970104	20170407
	Utility Model Applications	19781127	20170407	19940730	20170407
	Utility Models	19780110	20170407	19970104	20170407
US United States of America	Patent Applications	20010315	20170406	20010315	20170406
	Patents	18360101	20170404	18560617	20170404
	Designs	18650912	20170404	19770719	20170404
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20170406	19781019	20170406
	Designs	20151127	20170407	20151127	20170331

20170408 21:00

- Login to Patbase:17 April 2017 03:24:23
- **search:** SS1 ft=(vehicle) and two front wheels and fender* (Results 41)
- List: SS1 1–50 (ft=(vehicle) and two front wheels and fender*) (Results 41)

0) US2015210338A – VEHICLE

1) Family number: 56089642 (US2015210338A) © PatBase

Title: VEHICLE

Priority:

EP20130838840	20130924	EP20130863895	20131220	JP20120209873	20120924
JP20120209874	20120924	JP20120235605	20121025	EP20130864751	20131220
JP20120279974	20121221	JP20130138479	20130701	JP20130138478	20130701
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WO2013JP84341	20131220	WO2013JP84284	20131220	WO2013JP84266	20131220
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Family:

Publication number	Publication date	Application number	Application date
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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): B60G13/04 B60G17/005 B60G17/016 B60G17/08 B60G21/00 B60G21/05 B60G21/055 B60G3/01 B60G3/20 B60T11/04 B60T11/10 B60T17/04 B60T8/17 B62D35/00 B62D7/00 B62D9/02 B62J15/00 B62J17/00 B62J17/02 B62J23/00 B62K11/02 B62K11/14 B62K19/32 B62K19/38 B62K19/40 B62K21/00 B62K21/02 B62K21/08 B62K21/12 B62K21/16 B62K21/18 B62K21/20 B62K25/00 B62K25/04 B62K25/08 B62K25/24 B62K3/00 B62K5/00 B62K5/01 B62K5/02 B62K5/027 B62K5/05 B62K5/06 B62K5/08 B62K5/10 B62K50/08 B62L1/00 B62L3/02 B62L3/08 B62L5/00 (Advanced/Invention); B60T17/04 B62K5/00 (Advanced/Non–invention); B60G17/005 B62D7/00 B62J15/00 B62J23/00 B62K19/40 B62K21/00 B62K21/02 B62K5/02 B62K5/05 B62K5/08 (Core/Invention)

CPC: B62J17/02 F16D65/0062 F16D65/12 B62K21/20 B62K25/08 B60G3/20 B60G21/0553 B60G2300/12 B60G2800/012 B62K5/06 B62J17/00 B62K5/02 B60G2200/144 B62K5/01 B62J15/00 B62J23/00 B62K5/00 B62K25/04 B60G17/0162 B60G17/08 B60G21/05 B60G2204/82 B60G2204/83 B62K21/00 B62K19/40 B60T17/04 B62L3/08 B62K2005/001 B62L5/006 B62K25/00 B62K21/12 B62K5/027 B62K19/38 B60T7/102 B60T11/16 B60T17/046 B62L3/023 B62K5/10 B62K5/05 B62K5/08 B60G3/01 B60G2200/44 B60G2204/422 B60G2204/8302 B60G2300/122 B60G2300/45 B62D9/02 B62K21/18 B62K2202/00 B62K21/02 B60G17/005

US class: 1/1 280/124.103 280/267 280/269 280/5.509 280/62

Classification Explorer

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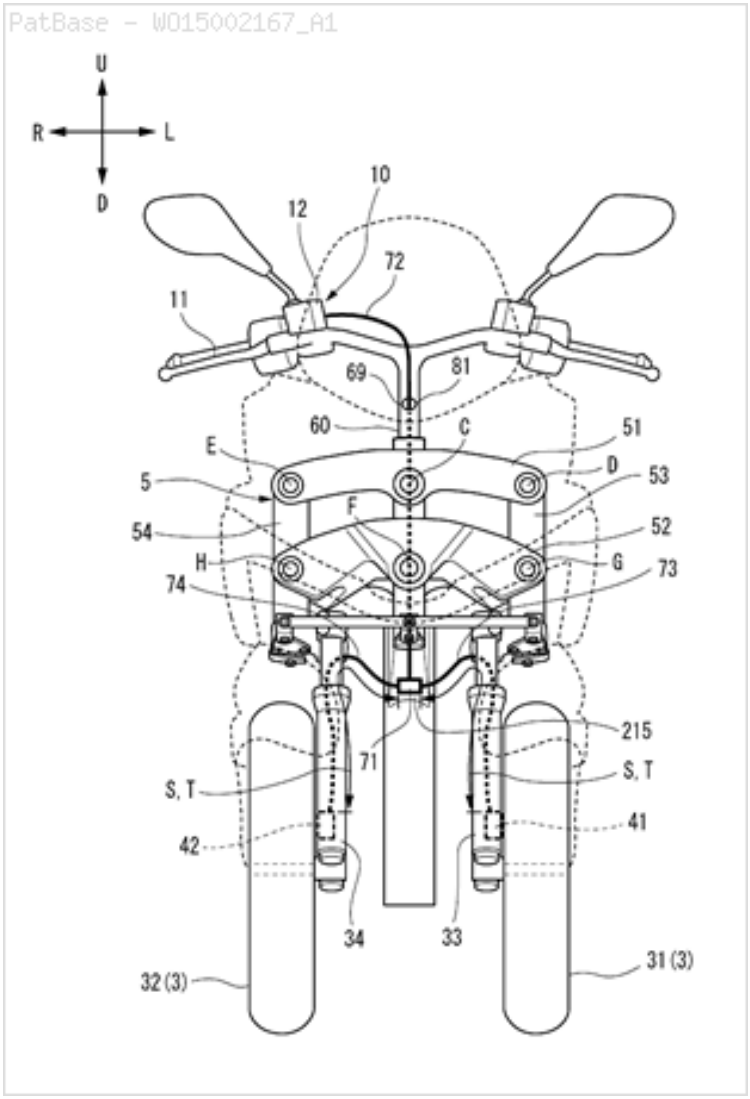
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Abstract:
Source: US2015210338A A vehicle includes a center transmission plate, a first center turnable portion configured to turn about a first center turning axis extending in an up−down direction, a second center turnable portion configured to turn about a second center turning axis extending in a front−rear direction, a left transmission plate, a first left turnable portion configured to turn about a first left turning axis extending in the up−down direction, a second left turnable portion configured to turn about a second left turning axis extending in the front−rear direction, a right transmission plate, a first right turnable portion configured to turn about a first right turning axis extending in the up−down direction, and a second right turnable portion configured to turn about a second right turning axis extending in the front−rear direction. A tie rod is supported on the second center turnable portion, the second left turnable portion, and the second right turnable portion.



0) US2015298736A – VEHICLE

2) Family number: 56777493 (US2015298736A) © PatBase

Title: VEHICLE

Priority:

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Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** YAHAMA HATSUDOKI KK ; YAMAHA MOTOR CO LTD ; YAMAHA HUTSUDOKI KK

Assignee(s): SMK NEGERI 2 CIMAHI ; YAMAHA MOTOR CO ; YAMAHA HATSUDOKI KK ; YAMAHA HATSUKOKI KK

Inventor(s):(std)**:** KAORU SASAKI ; MITSUAKI OHTA ; OHTA MITSUAKI ; SASAKI KAORU ; TAKANO KAZUHISA

Inventor(s): MITSUAKI OTHA ; KAZUHISA TAKANO

Agent(s): JUAN PABLO CADENA SARMIENTO; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; DIPL ING ROHALDY MULUK; INSAN BUDI MAULANA; SHIN EI PATENT FIRM PC; KEATING AND BENNETT LLP

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): B60G21/00 B60G3/20 B60R21/00 B62B9/02 B62D25/16 B62D9/02 B62J15/00 B62J15/04 B62J17/00 B62J17/02 B62J23/00 B62J99/00 B62K11/02 B62K11/04 B62K11/10 B62K11/14 B62K21/00 B62K21/12 B62K21/18 B62K25/08 B62K5/02 B62K5/027 B62K5/05 B62K5/06 B62K5/08 B62K5/10 (Advanced/Invention); B62J17/00 B62K21/12 B62K5/00 (Advanced/Non–invention); B60R21/00 B62J15/00 B62J23/00 B62J99/00 B62K5/05 (Core/Invention)

CPC: B62D25/16 B62K21/12 B62K5/06 B62K25/08 B62J17/00 B62K2005/001 B60G3/20 B60G2200/144 B60G2300/122 B60G2300/45 B62D9/02 B62J17/02 B62J23/00 B62K11/04 B62J15/00 B62K5/10 B62K5/027 B62K5/05 B62K5/08 B62K21/00 B62K2202/00

US class: 1/1 180/210 280/124.103 280/267 280/269

Classification Explorer

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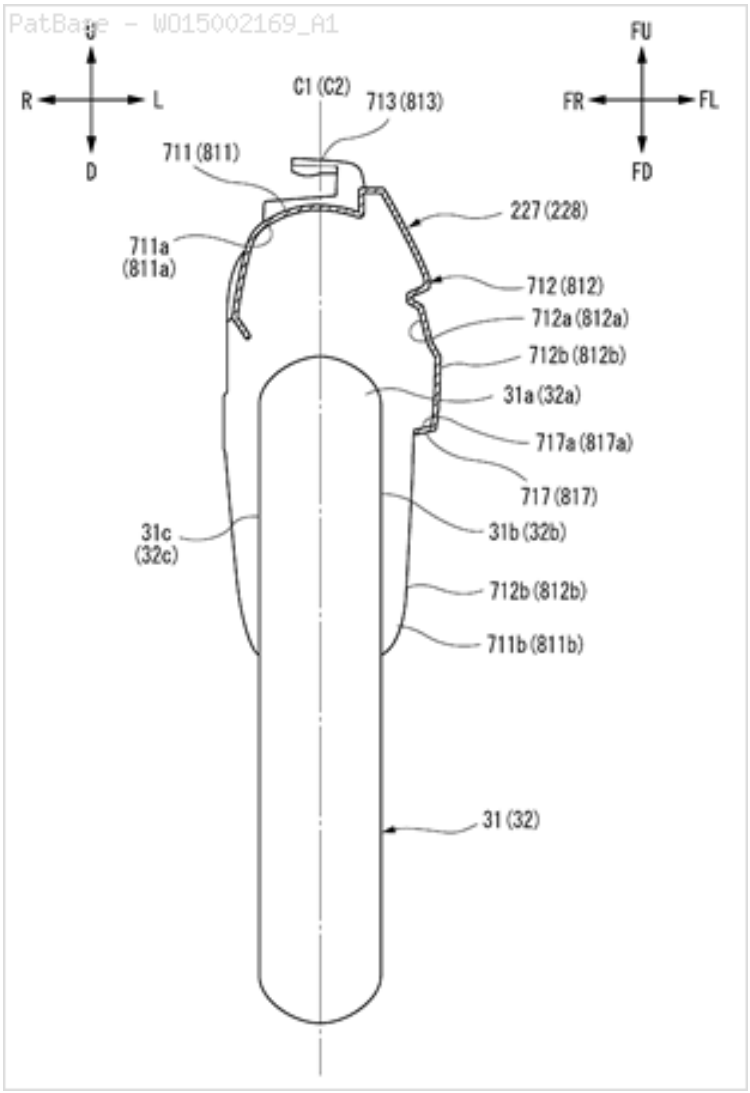
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Forward Citations: WO16052431, WO15002163, US9545967, US9452803, US9428240, US9428235, US9371106, US9352798, US9340249, US2016152292, US2016137253, US2016059923, US2015344091, US2015321721, US2015314827, US2015274244, TWI574876, JP5941601, EP3135571, EP2982588, EP2921389, CN104743021,

Abstract:
Source: US2015298736A A right front fender and a left front fender are displaceable relative to a vehicle body frame in accordance with an operation of a link mechanism. At least a portion of the right front fender is disposed above a center in the up–down direction between an upper end of a right front wheel and a lower edge of the link mechanism or a steering mechanism directly above the right front wheel, and is disposed below a right lower edge of a front portion of a link cover portion, as seen from a front in the front–rear direction of the vehicle body frame when the vehicle body frame is in the upright state. At least a portion of the left front fender is disposed above a center in the up–down direction between an upper end of a left front wheel and a lower edge of the link mechanism or the steering mechanism directly above the left front wheel, and is disposed below the left lower edge of the front portion of the link cover portion, as seen from the front when the vehicle body frame is in the upright state.



0) US2001040063A – ENGINE CRADLE FOR A VEHICLE

3) Family number: 31380924 (US2001040063A) © PatBase

Title: Engine cradle for a vehicle

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PRODUC ; BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PRODUCTS ; BOMBARDIER RECREATIONAL PROD ; GIROUARD BRUNO ; FECTEAU BERTHOLD ; DION ANNE MARIE ; MASSICOTTE ALAIN ; AUDET MATHIEU ; WUBBOLTS JEROME

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

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Classification Explorer

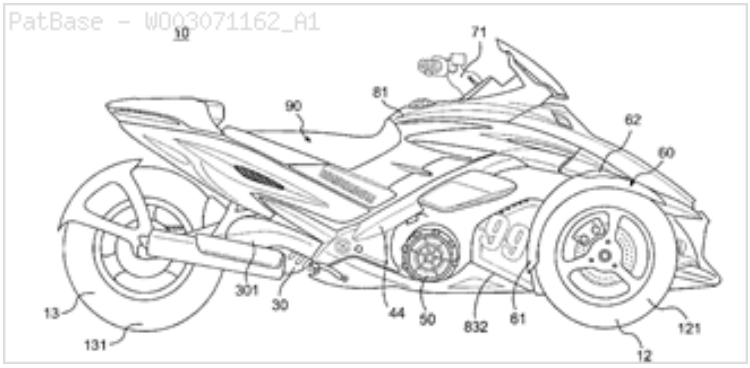
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Abstract:
Source: US2001040063A An engine cradle adapted for receiving an engine includes a left side wall defining a C−shaped opening therein. The engine cradle also includes a right side wall, which is essentially a solid wall that provides a reflective surface for reflecting heat to the engine when contained within the engine cradle. The engine cradle also includes a front wall connected between forward portions of the left and right side walls. The engine cradle also includes a bottom panel and a rear panel connected between bottom portions of the front, left side, and right side walls.



0) US2008023249A – SIDE–BY–SIDE ATV

4) Family number: 41151856 (US2008023249A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority:
CN200680055961 20061219 EP20060845748 20061219 US20060494891 20060728
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** DECKARD AARON DAVID ; ECK RICHARD E ; MCCOUBREY THOMAS SAMUEL PARKS ; MEYER ALAN A ; POLARIS INC ; PLUGGE JASON CARD ; PLUGGE JASON CARL ; PARKS MCCOUBREY THOMAS SAMUEL ; WHITE GEOFFREY G ; SUNSDAHL

LARRY RICHARD ; TULLEMANS MARCUS JOHANNES ; RENGEL LAURIE JEAN ; SUNSDAHL RICHARD LARRY ; RENGAL LAURIE JEAN ; SAFRANSKI BRIAN MICHAEL

Assignee(s): POLARIS IND ; POLARIS IND INC MEDINA ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** CARD PLUGGE JASON ; CARL JASON ; DAVID DECKARD AARON ; DECKARD AARON ; DECKARD AARON D ; DECKARD AARON DAVID ; ECK RICHARD ; ECK RICHARD E ; JEAN RENGEL LAURIE ; JOHANNES TULLEMANS MARCUS ; MCCOUBREY THOMAS S P ; MCCOUBREY THOMAS SAMUEL ; MCCOUBREY THOMAS SAMUEL PARKS ; MEYER ALAN ; MEYER ALAN A ; MICHAEL SAFRANSKI BRIAN ; PARKS MCCOUBREY THOMAS SAMUEL ; PLUGGE JASON ; PLUGGE JASON C ; PLUGGE JASON CARD ; PLUGGE JASON CARL ; RENGAL LAURIE JEAN ; RENGEL LAURIE ; RENGEL LAURIE J ; RENGEL LAURIE JEAN ; RICHARD SUNSDAHL LARRY ; SAFRANSKI BRIAN M ; SAFRANSKI BRIAN MICHAEL ; SAFRANSKI BRIAN MICHEAL ; SUNSDAHL LARRY ; SUNSDAHL LARRY RICHARD ; TULLEMANS MARCUS ; TULLEMANS MARCUS J ; TULLEMANS MARCUS JOHANNES ; SUNSDAHL RICHARD L ; SUNSDAHL RICHARD LARRY ; WHITE GEOFFREY ; WHITE GEOFFREY G

Inventor(s): WHITE GEOFFREY G NORWAY ; THOMAS SAMUEL PARKS MCCOUBREY ; TULLEMANS MARCUS JOHANNES EDEN PRAIRIE ; SUNSDAHL LARRY RICHARD ROSEAU ; SAFRANSKI BRIAN MICHAEL STRANDQUIST ; SAFRANSKI BRIAN MICHAEL STRANQUIST ; RENGEL LAURIE JEAN MAPLE GROVE ; RICHARD E ECK ; PLUGGE JASON CARL COON RAPIDS ; AARON DAVID DECKARD ; ALAN A MEYER ; PLUGGE JASON CARD COON RAPIDS ; MEYER ALAN A EDINA ; MEYER ALAN A LIVERMORE ; MCCOUBREY THOMAS SAMUEL PARKS STE ANNE ; LARRY RICHARD SUNSDAHL ; LAURIE JEAN RENGEL ; MARCUS JOHANNES TULLEMANS ; ECK RICHARD E MINNEAPOLIS ; GEOFFREY G WHITE ; JASON CARD PLUGGE ; JASON CARL PLUGGE ; DECKARD AARON DAVID LINDSTROM ; DECKARD AARON DAVID ZIONSVILLE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; REUTELER AND CIE SA; RODRIGUEZ FRANCISCO JOSE; LOPEZ MARIA EMILIA; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; YERKESON DOUGLAS A

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 ME 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)**:** B60G21/055 B60K11/00 B60K11/08 B60K17/00 B60K17/02 B60K17/34 B60K17/348 B60K5/00 B60N2/01 B62D21/03 B62D21/18 B62D21/20 B62D25/10 B62D31/00 (Advanced/Invention); B60K11/00 B60K17/34 B62D21/18 B62D31/00 (Core/Invention); B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/348 B60K5/00 B62D21/183

European class: B62D21/18B

US class: 1/1 180/233 180/291 180/292 180/312 180/337 180/337S 180/68.1 180/68.100P 180/68.2 180/69.2 180/69.200S 180/89.1 280/124.106 280/124.152 280/5.502 280/5.506 280/5.507 280/5.511 280/781 D12/14

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Classification Explorer

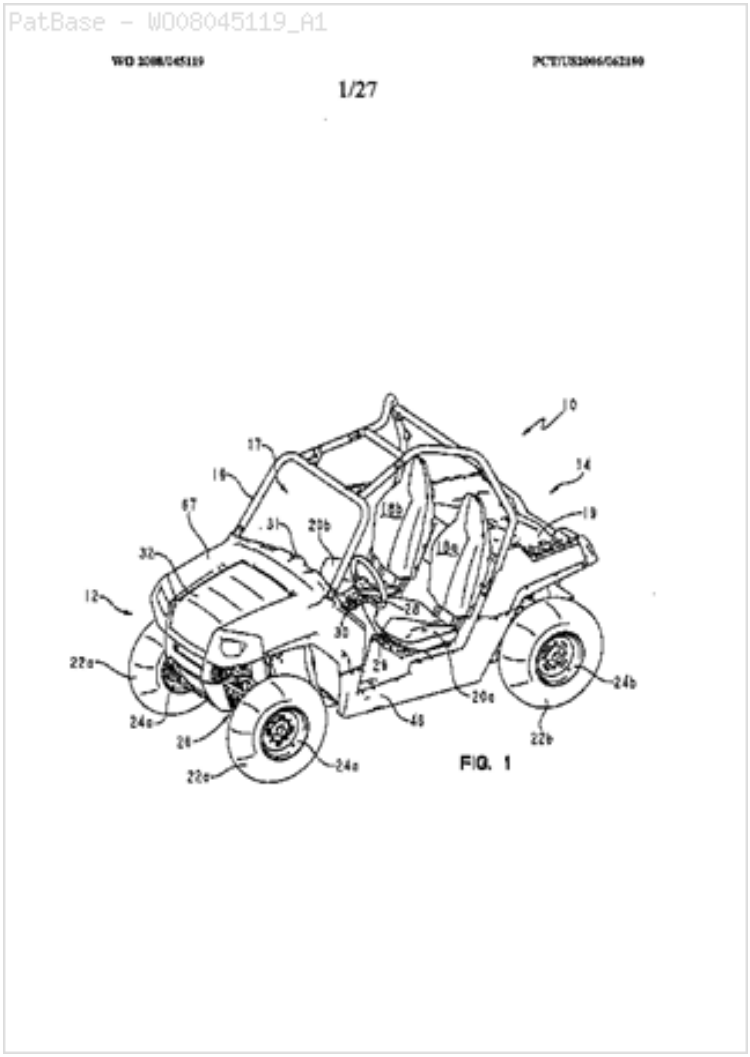
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Forward Citations: WO17017506, WO15054311, WO15035013, WO14143953, WO14138559, WO14134610, WO14130611, WO14130611, WO14115175, WO14115175, WO14093821, WO14059258, WO14039433, WO14039432, WO14039432, WO13166310, WO13149106, WO13116459, WO12109546, WO12106412, WO12082745, WO11004093, WO09008779, USD764974, USD764973, USD762522, USD722536, USD715689, USD701469, USD699627, USD694668, USD681508, USD675960, USD660746, USD636295, USD631395, USD601058, US9592782, US9592713, US9586627, US9555701, US9545838, US9506393, US9452789, US9452669, US9393894, US9365251, US9327587, US9321494, US9266417, US9227507, US9217501, US9211924, US9180801, US9152607, US9075699, US9063832, US9010768, US9004510, US8998253, US8998216, US8997908, US8973693, US8967318, US8944449, US8911312, US8834307, US8827028, US8827020, US8827019, US8801015, US8746719, US8640814, US8613337, US8613336, US8613335, US8596406, US8596405, US8556015, US8522911, US8517136, US8485303, US8464827, US8459671, US8430444, US8382125, US8381855, US8342283, US8328235, US8317257, US8313121, US8302711, US8251170, US8205910, US8196696, US8167072, US8157039, US8132827, US8100434, US8079602, US8037959, US8029021, US7950486, US7874605, US7871106, US7819220, US7802816, US7795602, US7717495, US2016280058, US2015274212, US2015274199, US2014224564, US2014209404, US2013008736, US2012217078, US2012193163, US2012160592, US2011240394, US2011240393, US2011174567, US2011094816, US2011094811, US2011048828, US2011012334, US2010326757, US2010194087, US2010155170,

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Abstract:
Source: US2008023249A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US2002033287A – CARGO CARRYING COMPARTMENTS OF AN ALL TERRAIN V...

5) Family number: 30116023 (US2002033287A) © PatBase

Title: Cargo carrying compartments of an all terrain vehicle

Priority:

US20000232572P	20000913	US20010331252P	20011113	US20010950926	20010913
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC ; RONDEAU PIERRE ; GAGNON CLAUDE ; PORTELANCE MARTIN ; DUBE ERIC ; GAGNE MARTIN ; BOMBARDIER

Assignee(s): BOMBARDIER CHARLES ; BANK OF MONTREAL ; NADEAU DANIEL ; BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDLER RECREATIONAL PRODUCTS INC ; BRP INC

Inventor(s):(std)**:** BOMBARDIER CHARLES ; DUBE ERIC ; GAGNE MARTIN ; GAGNON CLAUDE ; NADEAU DANIEL ; PORTELANCE MARTIN ; RONDEAU PIERRE

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

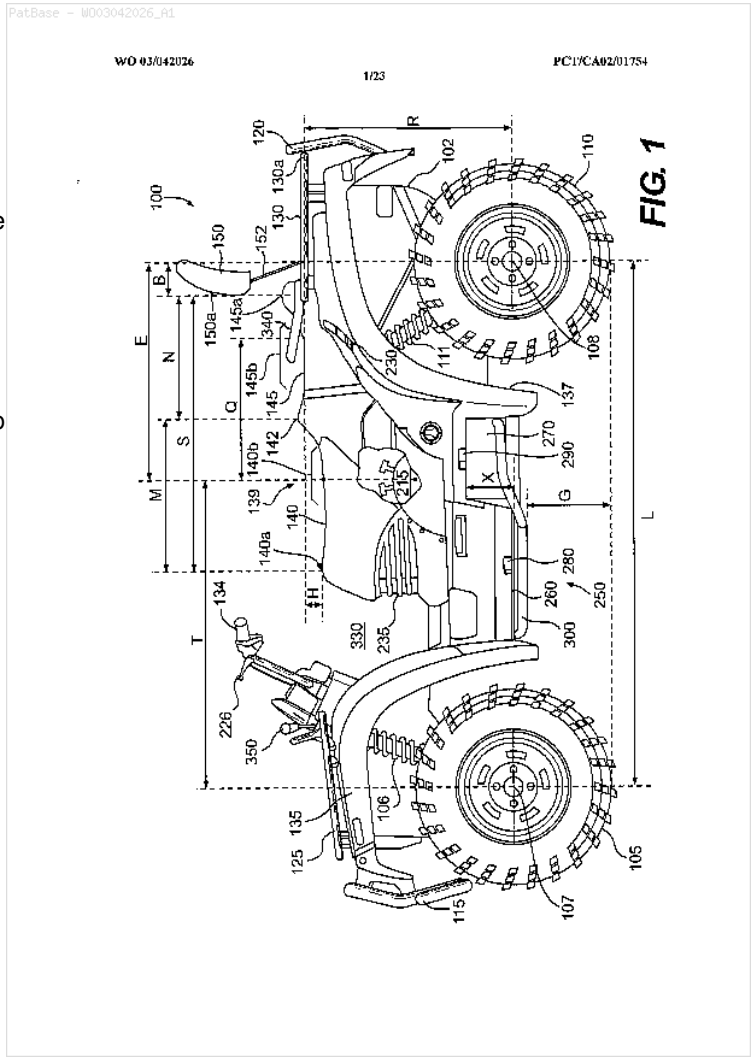
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International class (IPC 1–7):	B60K17/34 B60N2/00 B60P1/16 B60P1/28 B60R11/06 B60R9/02 B60R9/06 B62D21/00 B62D23/00 B62D33/03 B62D39/00 B62J1/00 B62J25/00 B62K5/00
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US class:	180/233 180/311 180/312 180/89.1 180/89.100P 180/89.12 180/89.120S 180/908 224/401 224/433 224/495 280/304.4 280/304.400P 296/183.2 296/184 296/195 296/203.04 296/203.040P 296/37.1 296/371 296/57.1 296/571 298/17R 298/22R
Classification Explorer	
Cited documents:	WO03053769 A1, WO03042026 A1, WO0076794 A1, USD445066 S1, USD439549 S1, USD439548 S1, USD436557 S1, USD427109 S1, USD422938 S1, USD405029 S1, USD364590 S1, USD325360 S1, USD324666 S1, USD305999 S1, USD298811 S1, USD264590 S1, US6822806 BB, US6755269 BA, US6698782 BB, US6698782 BA, US6672916 BA, US6622806 BA, US6533339 BA, US6508511 BA, US6461095 BA, US6378748 BA, US6343669 BB, US6343669 BA, US6314239 BA, US6296163 BA, US6270106 BA, US6237990 BA, US6237211 BA, US6209941 BA, US6182784 BA, US6179180 BA, US6142549 A, US6129401 A, US6116630 A, US6105721 A, US6079741 A, US6030018 A, US6029750 A, US6016943 A, US6012770 A, US6003923 A, US5997088 A, US5997067 A, US5878929 A, US5876005 A, US5846918 A, US5845918 A, US5819390 A, US5816462 A, US5765917 A, US5615922 A, US5597211 A, US5597067 A, US5558260 A, US5513868 A, US5480214 A, US5476146 A, US5458390 A, US5433357 A, US5421645 A, US5360259 A, US532989 A, US5327989 A, US5314239 A, US5267780 A, US5237989 A, US5224636 A, US5174622 A, US5109942 A, US5083632 A, US5076387 A, US5064016 A, US5060748 A, US5036939 A, US5026119 A, US4860850 A, US4826057 A, US4821825 A, US4802682 A, US4800986 A, US4800985 A, US4789195 A, US4765917 A, US4726439 A, US4721178 A, US4706770 A, US4691963 A, US4660880 A, US4648617 A, US4619476 A, US4527831 A, US4522442 A, US4451057 A, US445066 A, US439549 A, US439548 A, US436557 A, US4349138 A, US4300706 A, US4277008 A, US427109 A, US4270786 A, US4247030 A, US422938 A, US4135761 A, US4126357 A, US405029 A, US402029 A, US3647097 A, US364590 A, US325360 A, US324666 A, US305999 A, US298811 A, US2004206568 AA, US2004031640 AA, US2003150669 AA, US2003150659 AA, US2003150657 AA, US2002179358 AA, US2002027038 AA, JP2000313318 A2, EP1205379 A1, EP1157918 A2, EP0953499 A2, DE64590 A, DE27109 A, DE24666 A, DE22938 A,
Forward Citations:	WO14210580, WO10148014, WO09099588, WO09096973, WO08100398, WO08100398, WO07130043, WO03053769, WO02094644, USD777607, USD595188, USD592557, USD592556, USD555921, USD553870, USD546246, USD531088, USD519439, USD492916, USD488746, US9592782, US9434244, US9266580, US9199582, US9180801, US9080514, US9004510, US8998253, US8991844, US8905435, US8844999, US8789633, US8783720, US8701820, US8678464, US8668246, US8640814, US8622428, US8596398, US8561960, US8500189, US8474561, US8465077, US8439240, US8430442, US8419104, US8403104, US8328271, US8328235, US8322964, US8313133, US8297394, US8246057, US8226120, US8215694, US8205910, US8196692, US8191930, US8191929, US8191677, US8172310, US8167072, US8162091, US8146524, US8132827, US8109556, US8091657, US8075007, US8047324, US8029021, US8025326, US7954853, US7942447, US7871106, US7845452, US7802806, US7795602, US7789424, US7753293, US7753161, US7743864, US7717495, US7708105, US7708096, US7686365, US7686121, US7658411, US7644791, US7607595, US7594671, US7543836, US7537499, US7516998, US7513545, US7506714, US7490694, US7404568, US7390046, US7377570, US7334713, US7331418, US7325848, US7293951, US7258192, US7216912, US7134702, US7128341, US7121623, US7121371, US7097207, US7097207, US7086657, US6968917, US6916142, US6880658, US6719346, US6533339, US2016362041, US2016144922, US2016144761, US2014345964, US2014084643, US2014077112, US2013319784, US2013153325, US2012179334, US2012090908, US2011229293, US2011198831, US2011198830, US2011198142, US2011133438, US2010194088, US2010163329, US2010108428, US2010096200, US2010084212, US2010019524, US2009256395, US2009250282, US2009195035, US2009192013, US2009152940, US2009121518, US2009115222, US2009114746, US2009091101, US2009071739, US2009071738, US2009071737, US2008308334, US2008284124, US2008283327, US2008283326, US2008246834, US2008246300, US2008217088, US2008196958, US2008174139, US2008067825, US2008030040, US2008029990, US2007278026, US2007273135, US2007267885, US2007261906, US2007257516, US2007257479, US2007228803, US2007080548, US2007045017, US2007013203, US2006292966, US2006254842, US2006229058, US2006197331, US2006192375, US2006186699, US2006186283, US2006186156, US2006120841, US2006043131, US2006011754, US2006001234, US2005117359, US2004252926, US2004239088, US2004206568, US2004195855, US2004173653,

US2004169388, US2004135397, US2004135342, US2004134707, US2004129485, US2004113389, US2004112669, US2004112658, US2004108158, US2004031640, US2004013489, US2003150659, US2003102694, TWI402188, EP2698274, EP1847429, EP1609711, EP1600326, EP1520748, EP1520748, EP1475797, EP1395484, EP1361975, EP1361975, CN102803010, AU2010260149, AU2009210781, AU2006268268, AU2006202649,

Abstract:
Source: US2002033287A An all−terrain vehicle (ATV) includes various storage compartments so that the weight loaded onto the vehicle may be evenly distributed between the front and rear suspension of the ATV. The ATV is capable of hauling a variety of loads over various terrains. The ATV contains a rear storage compartment, at least two side storage compartments, a front storage compartment, and a front rack to enable the rider to carry or attach a wide variety of loads onto the ATV without causing the vehicle to overturn or flip up due to the additional weight. Additionally, the ATV may also include a tree guard positioned on each side of the ATV to protect the rear storage and side compartments and to prevent cargo on the rear storage compartment from being dislodged by trees that might protrude into the rider's path.



0) US2014214249A – THIN SAFE VEHICLE WHOSE SOLAR ARRAY CAN SUPPLY ...

6) Family number: 57085737 (US2014214249A) © PatBase

Title: THIN SAFE VEHICLE WHOSE SOLAR ARRAY CAN SUPPLY ITS POWER NEEDS

Priority: US20130815107 20130131

Family:

Publication number	Publication date	Application number	Application date
EP2762348 A2	20140806	EP20130186195	20130926
IN02037CH2013 A	20140808	IN2013CH02037	20130507
US2014214249 AA	20140731	US20130815107	20130131
US8886379 BB	20141111	US20130815107	20130131

Probable Assignee: FREEMAN BENJAMIN DAVID

Assignee(s):(std)**:** FREEMAN BENJAMIN ; FREEMAN BENJAMIN DAVID

Assignee(s): BEN FREEMAN

Inventor(s):(std)**:** FREEMAN BENJAMIN ; FREEMAN BENJAMIN DAVID

Inventor(s): BEN FREEMAN

Agent(s): MEYER DULHEUER KARL HERMANN

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)**:** B60L8/00 F24J2/00 G01C21/34 G06F17/00 (Advanced/Invention)

CPC: G01C21/3469 B60L8/003 Y02T10/7083

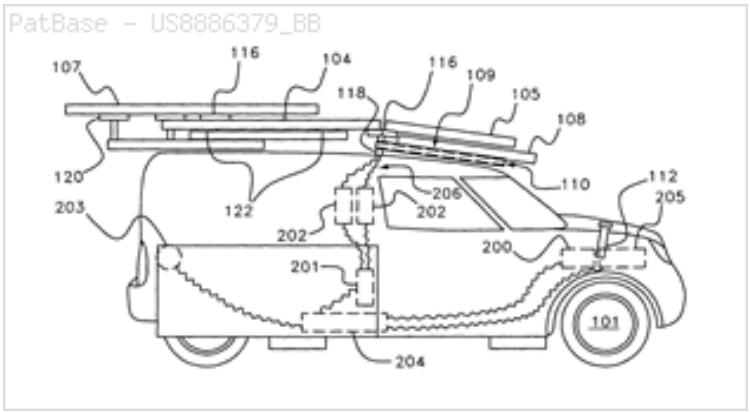
US class: 180/165 180/2.2 180/302 180/308 180/422 296/204 701/22 701/533

Classification Explorer

Cited documents: US8342283 BB, US8317257 BB, US8120308 BB, US7888590 BB, US5379596 A, US4452234 A, US4090577 A, US2014097030 AA, US2012073885 AA, US2011146751 AA, US2011049992 AA, US2010193261 AA, US2010078254 AA, US2010078253 AA, US2010078245 AA, US2009288890 AA, US2008100258 AA, US2008053510 AA, US2004094193 AA,

Forward Citations: US2014297072,

Abstract:
Source: US2014214249A This device is an ultra–thin vehicle where no more than twenty five percent of its solar array extends beyond the vehicle when it is being driven and the solar array is undeployed. However, this same solar array will cover an area at least twice as large as the vehicle when it is parked and the array is fully deployed. This solar array is also designed to make it possible to easily orient it towards the sun during the majority of time when it is parked. Hence, solar power can be the primary source of power for a typical driver due to the lowered power needs of this tapered ultrathin vehicle.



0) US2011035104A – SUSPENSION CONVERSION METHOD AND APPARATUS

7) Family number: 47431446 (US2011035104A) © PatBase

Title: SUSPENSION CONVERSION METHOD AND APPARATUS

Priority: US20090169648P 20090415 US20090180212P 20090521 US20090224293P 20090709 US20090238155P 20090829 US20090239314P 20090902 US20100761338 20100415

Family:

Publication number	Publication date	Application number	Application date
CA2700149 AA	20101015	CA20102700149	20100415
US2011035104 AA	20110210	US20100761338	20100415

Probable Assignee: DALLAS SMITH CORP

Assignee(s):(std)**:** DALLAS SMITH CORP ; SMITH JUDSON

Assignee(s): SMITH INTELLECTUAL PROPERTY LLC ; SMITH INTELLECTUAL PROPERTY LLC25 INDIANA STREETGREENCASTLEIN46135US ; DALLAS SMITH CORP1220 N. JACKSON STREETGREENCASTLEIN46135US

Inventor(s):(std)**:** SMITH JUDSON

Inventor(s): SMITH JUDSONUS

Agent(s): MARKS AND CLERK; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP

International class(IPC 8–9)**:** B23P17/00 B60G11/26 B60G17/017 B60G17/018 (Advanced/Invention)

CPC: Y10T29/49716 B60G17/052 B60G17/017 B60G2300/38 B60G2500/30 B60G2206/911

European class: B60G17/017 B60G17/052 L60G300/38 L60G500/30

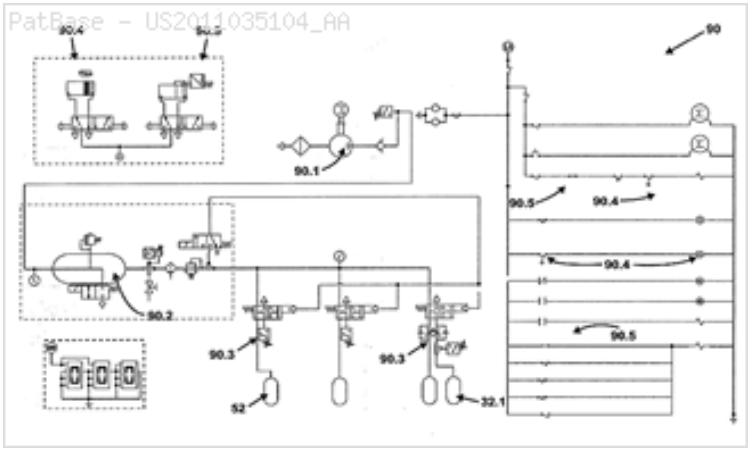
US class: 280/124.157 280/124.157S 280/6.151 280/6.151S 29/401.1 29/401.100S 701/37 701/37P

Classification Explorer

Cited documents: US7978119 BB, US7938416 BB, US7837203 BA, US782165 A, US7816878 BB, US7735839 BA, US7614630 BB, US7597336 BB, US7551995 BB, US7429054 BA, US7234713 BA, US6789017 BB, US6729829 BB, US6623016 BB, US6456914 BA, US6450587 BA, US6409458 BA, US6343908 BA, US6282968 BA, US6240339 BA, US6203265 BA, US6098995 A, US6097480 A, US6071064 A, US6070861 A, US5873593 A, US5422810 A, US5403032 A, US5380144 A, US5193063 A, US5137297 A, US5052713 A, US5031737 A, US4966387 A, US4916372 A, US4847972 A, US4736958 A, US4733876 A, US4697822 A, US4253699 A, US3941261 A, US3934925 A, US3893697 A, US2011070057 AA, US2011068566 AA, US2011049828 AA, US2010283581 AA, US2010270769 AA, US2010152969 AA, US2010073131 AA, US2009274542 AA, US2009271934 AA, US2009261551 AA, US2009133334 AA, US2009126179 AA, US2009108547 AA, US2009105905 AA, US2009085370 AA, US2007267992 AA, US2007235972 AA, US2007138755 AA, US2007114345 AA, US2006151229 AA, US2004256815 AA, US2004251584 AA, US2003044266 AA, US2003007851 AA, US2002035423 AA,

Forward Citations: WO13169182, US9358854, US9272594, US9101519, US2015137463, US2014199144, US2010072733, GB2504749, DE102015006597,

Abstract:
Source: US2011035104A Methods and apparatus for modifying a vehicle chassis. In one embodiment the modified vehicle is capable of being placed close to the roadway at a position suitable for deployment of a wheel chair ramp that complies with ADA requirements. In yet another embodiment, the vehicle can be raised to a position in which the frame of the vehicle is higher than it was when the ramp was deployed, such that the frame provides crash worthiness to the vehicle relative to side impacts. Yet other embodiments pertain to vehicles that have a plurality of wheels in which the suspension for the wheel is biased by a pneumatic spring. Various embodiments pertain to methods and apparatus for safely interlocking the operation of the pneumatic air springs with the controls of the vehicles.



0) US2008023240A – SIDE–BY–SIDE ATV

8) Family number: 41151868 (US2008023240A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority: CN200680055951 20061219 EP20060849980 20061219 US20060494890 20060728 US20140478689 20140905 US20140478700 20140905 US20130776588 20130225 WO2006US48369 20061219

Family:

Publication number	Publication date	Application number	Application date
AT518727 E	20110815	AT20060849980T	20061219
AU2006346500 AA	20080131	AU20060346500	20061219
AU2006346500 AB	20090319	AU20060346500	20061219
AU2006346500 BB	20120517	AU20060346500	20061219
CN101511664 A	20090819	CN200680055951	20061219
CN101511664 B	20140402	CN200680055951	20061219
CN103879454 A	20140625	CN201410069269	20061219
CN103879454 B	20170412	CN201410069269	20061219
DE602006023576 D1	20111006	DE200660023576T	20061219
EP2046625 A1	20090415	EP20060849980	20061219
EP2046625 B1	20110803	EP20060849980	20061219
ES2370340 T3	20111214	ES20060849980T	20061219
HK1134666 A1	20141128	HK20100101653	20100212
HK1199430 A1	20150703	HK20140112986	20141225
MX2009000807 A1	20090203	MX20090000807	20061219
US2008023240 AA	20080131	US20060494890	20060728
US2014374183 AA	20141225	US20140478689	20140905
US2014374184 AA	20141225	US20140478700	20140905
US8827028 BB	20140909	US20060494890	20060728
WO08013564 A1	20080131	WO2006US48369	20061219
ZA200901197 A	20100127	ZA20090001197	20090219

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; POLARIS INC ; TULLEMANS MARCUS JOHANNES ; SUNSDAHL LARRY RICHARD ; SUNSDAHL RICHARD LARRY ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G

Assignee(s): POLARIS IND INC MEDINA ; POLARIS IND ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; SUNSDAHL LARRY RICHARD ; TULLEMANS MARCUS JOHANNES ; WHITE GEOFFREY G ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G G ; RICHARD SUNSDAHL LARRY ; MICHAEL SAFRANSKI BRIAN ; MEYER ALAN A A ; JOHANNES TULLEMANS MARCUS ; DAVID DECKARD AARON ; CARL PLUGGE JASON ; SUNSDAHL RICHARD LARRY

Inventor(s): PLUGGE JASON CARL COON RAPIDS ; MEYER ALAN A EDINA ; MARCUS JOHANNES TULLEMANS ; LARRY RICHARD SUNSDAHL ; JASON CARL PLUGGE ; GEOFFREY G WHITE ; DECKARD AARON DAVID LINDSTROM ; ALAN A MEYER ; AARON DAVID DECKARD ; WHITE GEOFFREY G NORWAY ; TULLEMANS MARCUS JOHANNES EDEN PRAIRIE ; SUNSDAHL LARRY RICHARD ROSEAU ; SAFRANSKI BRIAN MICHAEL STRANDQUIST

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; REUTELER AND CIE SA; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; YERKESON DOUGLAS A

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 (IPC 8–9): B60K11/00 B60K17/35 B60K5/00 B60K5/12 B60N2/01 B62D21/00 B62D21/18 B62D33/06 (Advanced/Invention); B60K11/00 B62D21/00 B62D21/18 (Core/Invention); B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/35 B60K5/12 B62D33/0617 B62D21/183

European class: B62D21/18B

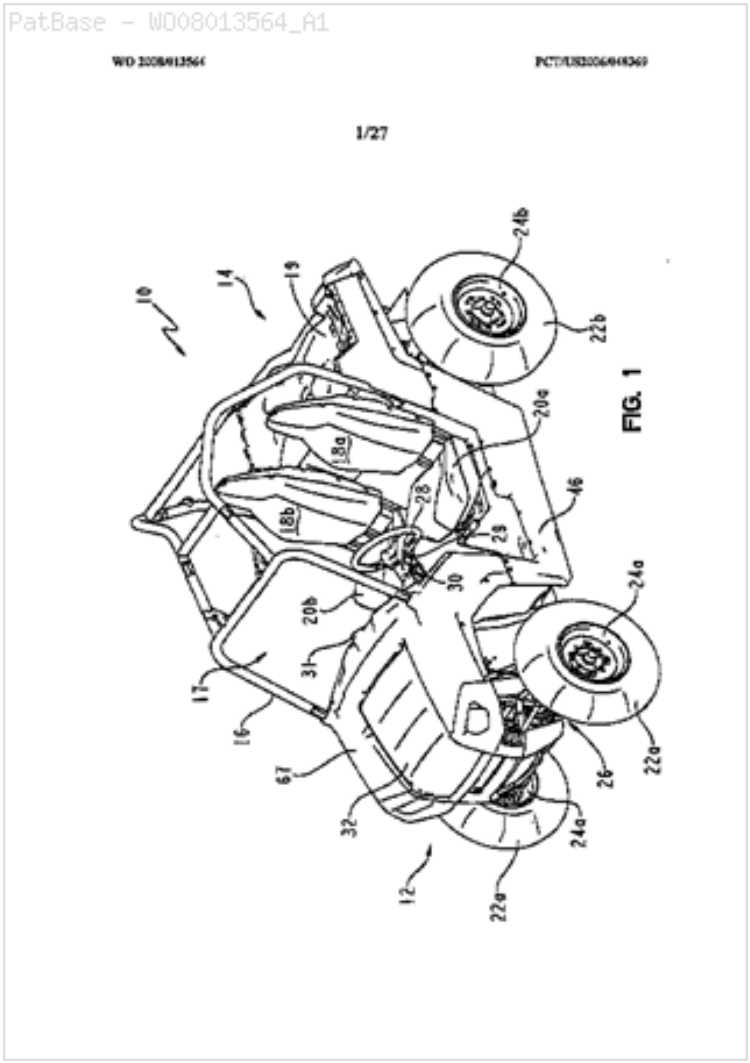
US class: 180/233 180/233 180/292 180/312 180/312S 180/68.2 180/68.200P

Classification Explorer

Cited documents: USD605555 S1, USD604201 S1, USD595613 S1, USD578934 S1, USD578433 S1, USD511317 S1, USD494890 S1, USD436557 S1, USD237873 S1, US8746719 BB, US8662239 BB, US8499882 BB, US8464827 BB, US8225901 BB, US8215443 BB, US8100434 BB, US8052202 BB, US7658258 BB, US7600769 BB, US7588010 BB, US7513329 BB, US7438156 BB, US7438153 BB, US7396066 BB, US7367417 BB, US7367247 BB, US7357211 BB, US7347490 BB, US7195001 BA, US7168516 BB, US6892847 BB, US6887182 BB, US6868932 BA, US6820708 BB, US6799781 BB, US6799779 BB, US6722463 BA, US6631775 BA, US6626260 BB, US6523634 BA, US6523627 BB, US6467787 BA, US6412585 BA, US6161843 A, US6149540 A, US6142123 A, US6070689 A, US6056078 A, US6054844 A, US5954364 A, US5950748 A, US5833023 A, US5819702 A, US5513721 A, US5477936 A, US5374081 A, US5373910 A, US5327989 A, US5251713 A, US5234247 A, US5193635 A, US5147003 A, US5036938 A, US5033567 A, US4934737 A, US4896899 A, US4817985 A, US4811970 A, US4798400 A, US4773675 A, US4721178 A, US4696508 A, US4693134 A, US4561323 A, US4505169 A, US4484765 A, US4385894 A, US4377094 A, US4369674 A, US4358967 A, US4358072 A, US4342533 A, US4340123 A, US4274502 A, US4229018 A, US4217970 A, US4026378 A, US3858901 A, US3829117 A, US3760770 A, US3709314 A, US3688493 A, US3686978 A, US3580350 A, US3407893 A, US34030106, US3401763 A, US3366411 A, US3331464 A, US3282369 A, US3246716 A, US2576017 A, US2468809 A, US2014034409 AA, US2013319785 AA, US2013319784 AA, US2013294856 AA, US2013234412 AA, US2013075183 AA, US2013048407 AA, US2013048406 AA, US2012223500 AA, US2012193163 AA, US2011209937 AA, US2011094818 AA, US2011024258 AA, US2010078256 AA, US2009178871 AA, US2008308334 AA, US2008023249 AA, US2008023240 AA, US2007267241 AA, US2007256882 AA, US2007221430 AA, US2007170681 AA, US2007024044 AA, US2007000715 AA, US2006289224 AA, US2006273539 AA, US2006219463 AA, US2006180383 AA, US2006065231 AA, US2006032690 AA, US2005280254 AA, US2005279541 AA, US2005247505 AA, US2005211492 AA, US2005173180 AA, US2005173177 AA, US2005161934 AA, US2005006168 AA, US2004262985 AA, US2004206567 AA, US2004195797 AA, US2004195034 AA, US2004195028 AA, US2004195019 AA, US2004031639 AA, US1791815 A, US1648536 A, DE737529,

Forward Citations: WO14134610, WO13165901, WO13149106, WO13149106, WO12106412, WO11152817, WO09137579, USD636295, USD631395, USD597890, USD595613, US9592782, US9592713, US9539871, US9469336, US9434244, US9370999, US9365251, US9327587, US9321494, US9217501, US9211924, US9186952, US9180801, US9010768, US9004510, US8998253, US8827028, US8827020, US8827019, US8746719, US8696006, US8657060, US8640814, US8613337, US8613336, US8613335, US8596405, US8464827, US8382125, US8328235, US8302711, US8205910, US8196696, US8167072, US8157039, US8132827, US8079602, US8029021, US7950486, US7871106, US7819220, US7795602, US7717495, US2016221636, US2016185171, US2015224874, US2015090515, US2014262584, US2014209404, US2013127146, US2012160592, US2011048828, US2010155170, US2009302590, US2009301830, US2009178871, US2009121518, US2009091101, US2009071739, US2009000849, US2008308334, US2008023249, EP2698274, CN105142938, CN104321241, CN104203614, CN103221240, CN103221240, CN102126521, CN102056788,

Abstract:
Source: US2008023240A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US4217970A – CONFIGURATION AND CONSTRUCTION OF FOUR WHEELED ...

9) Family number: 7850569 (US4217970A) © PatBase

Title: Configuration and construction of four wheeled motor vehicles

Priority: US19740437482 19740128 US19750597311 19750808 US19770857567 19771205 US19770857568 19771205 US19770857566 19771205

Family:

Publication number	Publication date	Application number	Application date
US4217970 A	19800819	US19770857568	19771205
US4227589 A	19801014	US19770857567	19771205
US4229018 A	19801021	US19770857566	19771205
US4290620 A	19810922	US19750597311	19750808

Probable Assignee: CHIKA JOHN J

Assignee(s):(std)**:** CHIKA JOHN J

Inventor(s):(std)**:** CHIKA JOHN J

International class (IPC 8–9)**:** B60G21/055 B62D23/00 B62D31/00 B62K13/06 B62K27/02 B62M6/10 B62M6/25 B62M6/35 (Advanced/Invention)

International class (IPC 1–7)**:** B60K17/00 B62D21/12 B62D61/00 B62K13/06 B62K27/12

CPC: B60G21/055 B62D23/005 B62K5/08 B62K13/06 B62K27/00 B62D31/003 B62K27/02 B62M6/10 B62M6/25

European class: B60G21/055 B62D23/00B B62D31/00B B62K13/06 B62K27/00 B62K27/02 B62K5/08 B62M6/10 B62M6/25

US class: 180/205.7 180/206 180/221 180/298 180/342 180/366 180/89.1 280/203 280/209 280/282 280/283 280/93.514 296/193.05 296/205

Classification Explorer

Cited documents: US784042, US739633 A, US646791 A, US636155 A, US4093258 A, US4028957, US3961807, US3951427, US3941075, US3902738 A, US3894615, US3887210, US3794352 A, US3768834 A, US3517764, US3435701, US3429584, US3013814 A, US2891804, US2691421, US2625230, US2578886 A, US2409887 A, US2248223 A, US1848451 A, US1478316 A, SU553132 T, SU231326 T, IT443900 A, GB728346, GB506208 A, GB189818531 A, GB189622529 A, GB1078535 A, FR971572, FR605567 A, FR601057 A, DE812643 A, DE121044 A, AT182323 B,

Forward Citations: WO9627518, WO16022493, WO15155697, WO15119506, WO14039761, WO13030225, WO11004093, WO07103188, WO07103188, WO07068000, WO04067367, WO04067367, WO03037679, WO0249889, WO0063065, USD766137, USD638333, USD586696, USD586695, USD586261, USD586260, USD585790, USD585789, USD585788, USD575675, USD564410, USD563274, USD507993, USD505364, USD503661, US9394027, US9365251, US9340250, US9321494, US9284007, US9217501, US9211924, US9205730, US9174693, US9114851, US9085335, US9016774, US9004535, US8998216, US8955632, US8944492, US8944301, US8899615, US8894081, US8851558, US8827028, US8827020, US8827019, US8752743, US8746719, US8640796, US8613336, US8613335, US8596405, US8486846, US8397844, US8382125, US8146937, US8141668, US7967312, US7874566, US7819220, US7775538, US7770682, US7721836, US7695393, US7658258, US7530411, US7473204, US7461864, US7213866, US7066530, US7017702, US7004502, US6994179, US6905138, US6860512, US6755265, US6634701, US6631925, US6623067, US6578904, US6561532, US6554308, US6527290, US6435601, US6428086, US6419304, US6311997, US6250711, US6250410, US6170844, US6145922, US6065557, US6059058, US6022036, US6010155, US5934745, US5845937, US5806620, US5741045, US5613918, US5511809, US5292142, US5251721, US4924959, US4834410, US4787647, US4740004, US4425976, US2017021893, US2015210319, US2015069732, US2015042063, US2015014957, US2014224564, US2014224557, US2013263696, US2013187407, US2013092466, US2013056293, US2012318595, US2012242110, US2012098300, US2012037672, US2011308872, US2011285170, US2011272925, US2011048828, US2011018225, US2010314852, US2009178871, US2009114465, US2009001764, US2008314668, US2008246301, US2008023249, US2008023240, US2007261900, US2007207889, US2007144799, US2007000715, US2006151224, US2006033361,

US2005285415, US2005280254, US2005280217, US2005034904, US2004245745, US2004154854, US2004129489, US2004124033, US2004104065, US2004084889, US2004066025, US2004026144, RU2507086, GB2492786, FR2947797, FR2727377, FR2720048, FR2640575, FR2559119, FR2530212, ES2412031, EP2060477, EP1977922, EP1717138, EP0534831, DE4125832, DE19804104, DE19613446,

Abstract:
Source: US4217970A A four−wheeled motor vehicle constructed by operatively coupling two exclusively configured left and right longitudinal side structures by plural, transversely positioned connecting and bracing members. Each side structure operatively supported by its own front wheel adapted for steering and rear wheel adapted for propelling the vehicle. Each of the connecting members comprising a longer mid−portion positioned transversely between the two longitudinal sides, and two shorter end−portions which are secured to correspondingly positioned structurally rigid sections of them. Steering system operatively couples the two front wheels of the two sides for steering thus coupled vehicle. A propulsion plant propels at least one of the wheels. All operating controls are configured for safe and legal operation of the vehicle by its driver. The longer mid−portions of said connecting members support body panels positioned intermediate the two side structures, vehicle floor and seats. The basic configuration is adaptable to be combined into variously configured, open, closed and convertible vehicle bodies. Various facets of the basic concept are adaptable for partial application in construction of new and conversion of existing conventionally constructed motor vehicles of all types.



0) US2003066698A – QUICK MOUNT VEHICLE ENGINE COMPARTMENT SPLASH P...

10) Family number: 28668602 (US2003066698A) © PatBase

Title: Quick mount vehicle engine compartment splash panel

Priority: US20010971826 20011005

Family:

Publication number	Publication date	Application number	Application date
US2003066698 AA	20030410	US20010971826	20011005
US6581708 BB	20030624	US20010971826	20011005

Probable Assignee: INT TRUCK INTELLECTUAL PROPERTY CO

Assignee(s):(std)**:** FUHRMANN CARL W ; GOTSCHALL PATRICK O ; INT TRUCK INTELLECTUAL PR ; INT TRUCK INTELLECTUAL PROP CO ; LAWRENCE CHAD A

Assignee(s): INTIONAL TRUCK INTELLECTUAL PROPERTY CO ; INT TRUCK INTELLECTUAL PROPERTY CO ; INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY ; INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY LLC

Inventor(s):(std)**:** FUHRMAN CARL W ; FUHRMANN CARL W ; GOTSCHALL PATRICK O ; LAWRENCE CHAD A

International class (IPC 8–9)**:** B62D25/16 B62D27/06 (Advanced/Invention); B62D25/16 B62D27/00 (Core/Invention)

International class (IPC 1–7)**:** B62B9/14 B62D25/20 B62D27/06

CPC: B62D25/163 B62D27/06

European class: B62D25/16C B62D27/06

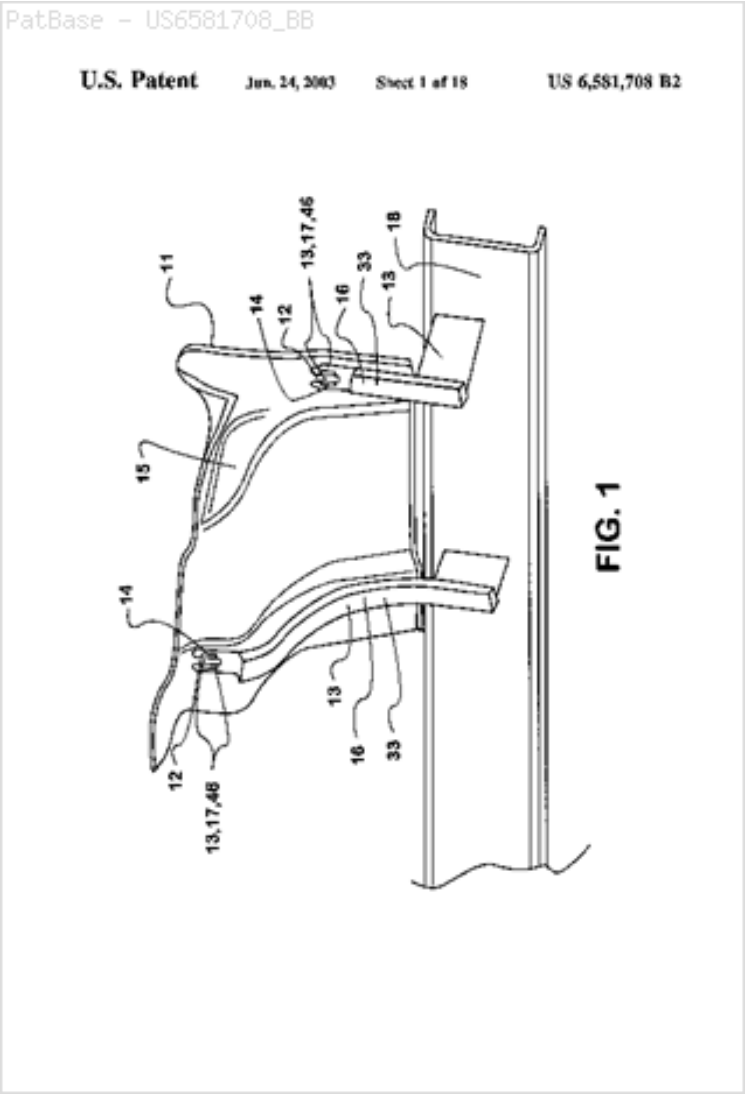
US class: 180/69.1 180/691 280/154 280/851 296/198

Classification Explorer

Cited documents: US6334645 BA, US5787550 A, US5139285 A, US5108129 A, US4724585 A, US4121684 A, US2769503 A, US2761523 A, US2611628 A, US2582839 A, US1396351 A,

Forward Citations: WO12153168, US8678460, US8203076, US7578546, US2012292123, US2010270051, US2008231079, US2004256832, FR2856027, CN102795267, CN102795267,

Abstract:
Source: US2003066698A An engine compartment splash panel for a vehicle is disposed generally between the engine of the vehicle and a nearby wheel to prevent water and debris from being flung from the nearby wheel onto the engine. The engine compartment splash panel and the panel–support components that mount it to the vehicle are constructed in such a manner that the engine compartment splash panel can be quickly and easily mounted to and removed from the vehicle to provide for expedient execution of service procedures. The engine compartment splash panel has a substantially rigid portion that defines and/or has mounted to it a number of locating features that have fixed positions relative to one another. The panel–support components define and/or have mounted to them a plurality of locating features that have fixed positions relative to one another and that are complimentary to the locating features of the engine compartment splash panel. When mounting the engine compartment splash panel, an individual can manipulate the engine compartment splash panel to simultaneously align a plurality of the locating features of the engine compartment splash panel to their complimentary locating features of the panel–support components.



0) US2015274213A – FENDER FOR A WHEELED VEHICLE

11) Family number: 56090106 (US2015274213A) © PatBase

Title: FENDER FOR A WHEELED VEHICLE

Priority: EP20130838931 20130918 US20120702900P 20120919 WO2013US60266 20130918 US20130429614 20130918

Family:

Publication number	Publication date	Application number	Application date
CN104736423 A	20150624	CN201380051085	20130918
DE602013014569 D1	20170112	DE201360014569T	20130918
EP2897852 A1	20150729	EP20130838931	20130918
EP2897852 A4	20151111	EP20130838931	20130918
EP2897852 B1	20161123	EP20130838931	20130918
US2015274213 AA	20151001	US20130429614	20130918
WO14047093 A1	20140327	WO2013US60266	20130918

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBADIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PROD ; BRP US INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PRODUCTS INC VALCOURT

Inventor(s):(std)**:** CARBONEAU SIMON ; DELUY NICOLAS ; LAROCHE DAVID ; RUDWAL CHRISTOPHER

Inventor(s): RUDWAL CHRISTOPHER OUTREMONT ; LAROCHE DAVID SHERBROOKE ; DELUY NICOLAS SHERBROOKE ; CARBONEAU SIMON MAGOG

Agent(s): BOYCE CONOR; CUTLER JONATHAN DAVID

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 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): B62D25/16 B62D25/18 (Advanced/Invention)

CPC: B62D25/18 B62D25/163 B62J15/02

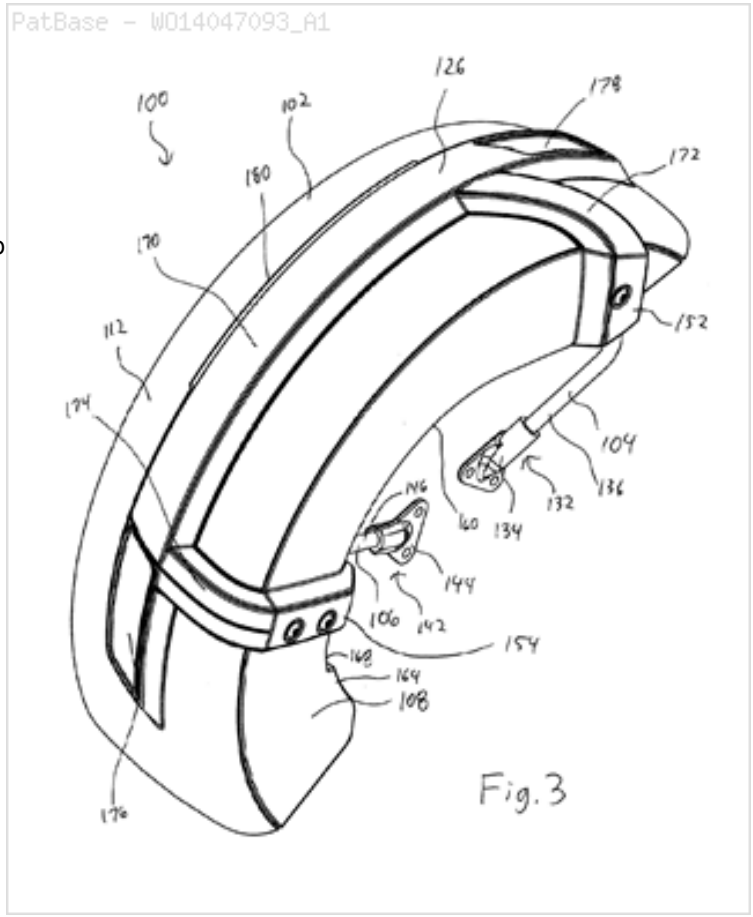
US class: 280/154 296/198

Classification Explorer

Cited documents: US6431605 BA, US5775454 A, US5323869 A, US2008023242 AA, US2007267237 AA, US2005001454 AA, US2002096859 AA, GB310781 A, DE3214901 A1,

Forward Citations: US9434436,

Abstract:
Source: US2015274213A A fender for a wheeled vehicle has an arcuate fender body and a brace. The fender body has an inner surface and an outer surface. The inner surface is adapted to face a wheel of the vehicle. The brace has a first end and a second end. The first end is disposed on and connected to the outer surface of the fender body. The second end is adapted to connect to the vehicle. The second end is spaced from the fender body and is disposed radially inward of the first end. A wheeled vehicle having the fender disposed on a wheel thereof is also described.



0) US4573546A – THREE–WHEELED MOTOR VEHICLE

12) Family number: 30152448 (US4573546A) © PatBase

Title: Three–wheeled motor vehicle

Priority: CA19840453151 19840430 JP19830063056 19830428 JP19830063056U 19830428 JP19830063057U 19830428 JP19830063060 19830428 JP19830063057 19830428 JP19830074743 19830428 JP19830063060U 19830428 JP19830073742 19830428 JP19830073743 19830428 JP19830073744 19830428 JP19830073741 19830428

Family:

Publication number	Publication date	Application number	Application date
AU198427449 A1	19841101	AU19840027449	19840427
AU561293 B2	19870507	AU19840027449	19840427
CA1210704 A1	19860902	CA19840453151	19840430
DE3474797 D1	19881201	DE19843474797	19840427
EP0124372 A2	19841107	EP19840302871	19840427
EP0124372 A3	19841219	EP19840302871	19840427
EP0124372 B1	19881026	EP19840302871	19840427
JP1672951 C3	19920612	JP19830073743	19830428
JP1771239 Y	19891027	JP19830063056U	19830428
JP3033554 B4	19910517	JP19830073743	19830428
JP59169205 U1	19841113	JP19830063056U	19830428
JP59169241 U1	19841113	JP19830063060U	19830428
JP59169259 U1	19841113	JP19830063057U	19830428
JP59199325 A2	19841112	JP19830073744	19830428
JP59199374 A2	19841112	JP19830073741	19830428
JP59199375 A2	19841112	JP19830073742	19830428
JP59199376 A2	19841112	JP19830073743	19830428
JP63034962 Y2	19880916	JP19830063056U	19830428
US4573546 A	19860304	US19840605403	19840430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE ; AIKAWA KUNIHIKO ; HONDA GIKEN KOGYO A CORP OF JAPAN KK ; HONDA GIKEN KOGYO ALSO TRADING HONDA MOTOR CO LTD AS KK ; HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** AIKAWA KUNIHIKO ; IRIKO SHOICHIRO ; IRIKOU SHIYOUICHIROU ; IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE

Inventor(s): KUNIHIKO AIKAWA ; SHOICHIRO IRIMAJIRI ; KATSUSUKE KOMURO

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

Designated states: DE FR GB IT

International class (IPC 8–9)**:** B60G3/28 B60K15/063 B60Q1/30 B60Q1/32 B62D1/16 B62D23/00 B62D25/00 B62D25/08 B62D25/16 B62D31/00 B62D35/00 B62D61/06 B62D61/08 B62K25/20 B62K5/04 F24D17/00 (Advanced/Invention); B60G3/18 B60K15/03 B62D23/00 B62D25/00 B62D25/16 B62D31/00 B62D35/00 B62D61/00 B62K25/04 B62K5/00 F24D17/00 (Core/Invention)

International class (IPC 1–7)**:** B60G3/28 B60K15/02 B60Q1/30 B60Q1/32 B62D1/16 B62D21/00 B62D23/00 B62D25/00 B62D25/16 B62D31/00 B62D35/00 B62D61/06 B62K25/20

CPC: B62D61/065 B62D31/003

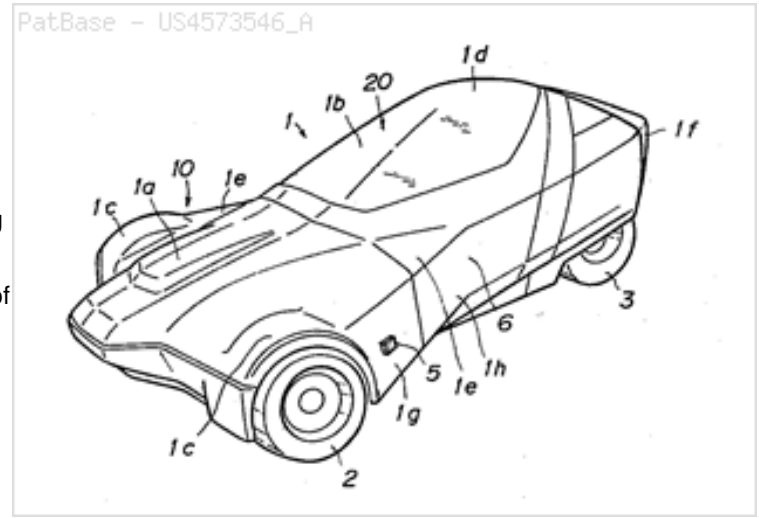
US class: 180/211 180/89.1 280/62 280/834 296/146.11 296/151 296/181.5 D12/085 D12/090 D12/85 D12/90

Classification Explorer

Cited documents: US3672718 A, US2888296 A, US2785921 A, US2761523 A, US2725944 A, US2699355 A, US2054951 A, JP55020886 U1, JP53140235 B4, JP52001250 U1, GB2111442 A1, FR885010 A, FR1089028 A, DE915186 A, DE825353 A, AU200516 A1,

Forward Citations: WO9100209, WO9003298, WO06101537, USD777060, USD774945, USD723978, USD689794, USD591645, USD575675, USD424979, USD422940, US9604683, US9227507, US9004214, US8695746, US8544587, US8317257, US8313121, US8061465, US7588110, US6883629, US6655729, US6464030, US6260913, US6149226, US5960901, US5954389, US5806622, US5538309, US4944360, US4919225, US4662468, US2010078254, US2010078245, US2009277708, US2007045020, US2005116503, US2003062742, US2003057006, FR2921625, FR2569647, EP0217522, EP0217522, DE19804104, CH679027,

Abstract:
Source: US4573546A A three−wheeled motor vehicle has a vehicle body on which two front wheels and a single rear wheel are rotatably mounted. The vehicle body includes a front portion covering the two front wheels and having a wide and flat shape, and a rear portion having a driver's compartment and covering the rear wheel, the rear portion being narrower than the front portion and progressively higher in a rearward direction of the vehicle body. The front and rear portions of the vehicle body include slanted continuous side surfaces tapered toward a longitudinal axis of the vehicle body in the rearward direction thereof.



0) US2004135397A – BODY COVER FOR VEHICLE WITH SADDLE SEAT

13) Family number: 30586419 (US2004135397A) © PatBase

Title: BODY COVER FOR VEHICLE WITH SADDLE SEAT

Priority: CA20032442995 20030926 US20020414356P 20020930 US20030669607 20030925

Family:

Publication number	Publication date	Application number	Application date
BRPI0304264 A	20050503	BR2003PI04264	20030926
BRPI0304264 B1	20140107	BR2003PI04264	20030926
CA2442995 AA	20040330	CA20032442995	20030926
CA2442995 C	20070814	CA20032442995	20030926
JP2004123092 A2	20040422	JP20030335780	20030926
JP4434676 B2	20100317	JP20030335780	20030926
MY136522 A	20081031	MY20030003707	20030929
US2004135397 AA	20040715	US20030669607	20030925
US7097207 BB	20060829	US20030669607	20030925

Probable Assignee: HONDA GIKEN KOGYO KK

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

Assignee(s): KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; SCHROEDER TONY ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; SCHROEDER TONY ; TONY SCHRODER ; KUDOU KAZUHIRO

Inventor(s): KAZUHIRO KUDOU ; TONY SCHROEDER ; TETSUYA NAKAZAWA

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

International class(IPC 8–9)**:** B62D25/08 B62D25/18 B62J1/20 B62J15/00 B62J17/00 B62J19/00 B62J23/00 B62K19/48 B62K5/00 (Advanced/Invention)

International class(IPC 1–7)**:** B62D25/08 B62J1/20 B62J15/00 B62J17/00 B62J19/00 B62J23/00 B62K5/00

CPC: B62J15/00 B62K19/48

European class: B62J15/00 B62K19/48

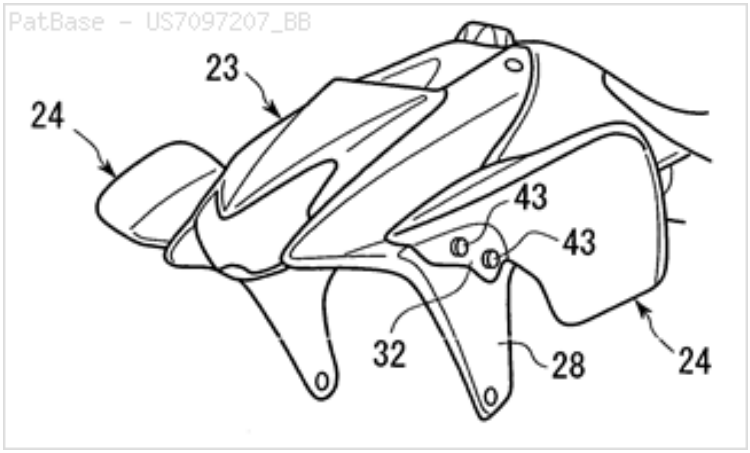
US class: 280/848 296/181.1 296/181.100P 296/198

Classification Explorer

Cited documents: US6755155 BB, US6755155 BA, US6705680 BB, US6705680 BA, US6336677 BB, US6336677 BA, US6205642 BA, US5613710 A, US5108129 A, US4878555 A, US4787470 A, US4781258 A, US4667758 A, US4535869 A, US3879059 A, US2059305 A, US2002038737 AA, JP62181485 U, JP62108187 U, JP62018379 A2,

Forward Citations: USD629724, USD593005, USD593004, USD583713, USD581319, USD562189, US9481402, US8042869, US7597387, US7591503, US7543673, US7537271, US7537077, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2004256886, EP1878645,

Abstract:
Source: US2004135397A A body cover, for a vehicle with a saddle seat, includes a cover main body disposed at a central part in a lateral direction of the vehicle, and fenders which are provided for covering wheels of the vehicle disposed at lateral sides, and which are attached to the cover main body. The fenders are attached to the cover main body in a state in which abutting surfaces of the fenders abut against side wall surfaces of the cover main body, respectively.



0) WO14094888A1 – HUMAN POWERED LAND VEHICLE VEHICULE TERRESTRE ...

14) Family number: 56775602 (WO14094888A1) © PatBase

Title: HUMAN POWERED LAND VEHICLE

Priority: EP20120813862 20121221 WO2012EP76733 20121221

Family:

Publication number	Publication date	Application number	Application date
DE602012015786 D1	20160428	DE201260015786T	20121221
EP2934993 A1	20151028	EP20120813862	20121221
EP2934993 B1	20160316	EP20120813862	20121221
WO14094888 A1	20140626	WO2012EP76733	20121221

Probable Assignee: OCAS N V

Assignee(s):(std)**:** OCAS N V ; RECTICEL NV

Assignee(s): OCAS NV

Inventor(s):(std)**:** BRACKE KRIS ; DE WINTER HUGO ; VERMEULEN MICHEL

Agent(s): HAVERKAMP JENS

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 PA 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): B62K3/00 B62K3/10 B62K5/05 B62K5/06 B62K5/08 B62M6/40 (Advanced/Invention)

CPC: B62K3/005 B62K3/10 B62K5/05 B62K5/06 B62K5/08 B62M6/70

Classification Explorer

Cited documents: US5069469 A, DE29515188 U1, DE19841780 A1,

Abstract:
A vehicle (1) has two steered front wheels (3, 3.1) and one rear wheel (2) driven by a drive train. The drive train incorporates a human powered actuator (13) for the propulsion of the vehicle (1) by a person driving the vehicle (1) and coupled to a driven wheel (2). The vehicle (1) further disposes of a non–human powered actuator (16) arranged to drive at least one of the wheels of the vehicle (1). The vehicle (1) has a longitudinal beam (9) and a cross–beam (10), the rear wheel (2) being connected to the longitudinal beam (9) and the front wheels (3, 3.1) being supported by the cross–beam (10). The longitudinal beam (9) has a U–shaped form in cross–section with a longitudinal opening (30) facing groundwards. The drive train is housed (13) within the longitudinal beam (9). The axis of the pedal drive (13) is arranged with distance to the top (27) of the longitudinal beam (9).

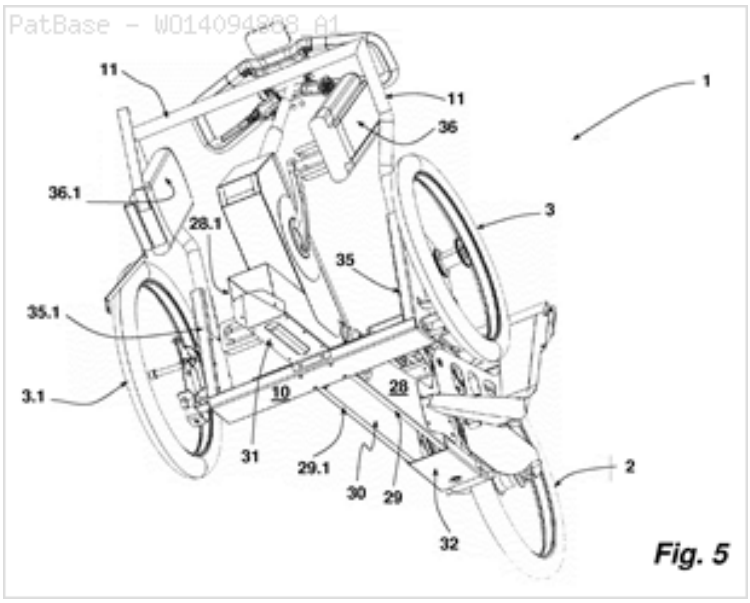


Fig. 5

0) WO07046265A1 – SMALL–SIZED VEHICLE PETIT VEHICULE

15) Family number: 34404244 (WO07046265A1) © PatBase

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

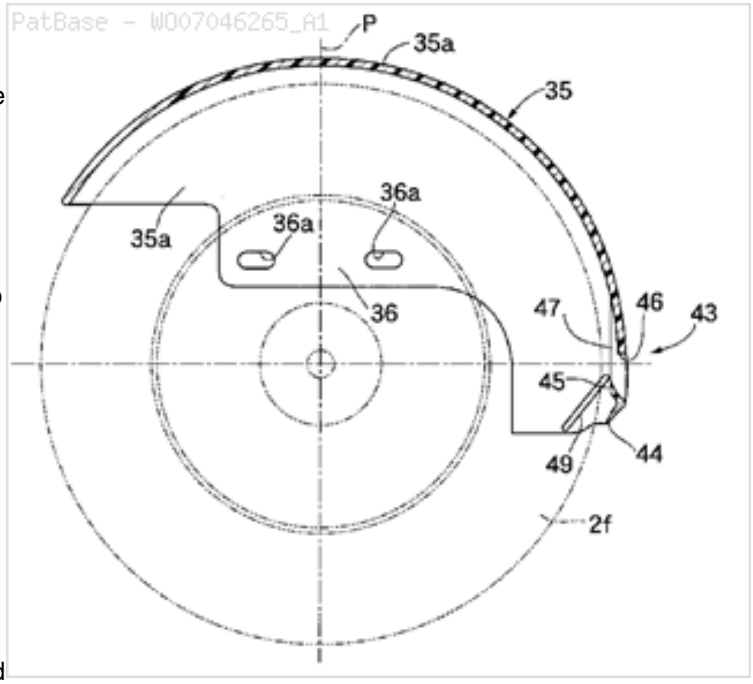
European class: B60G7/00 B60G9/00 B62D25/18B B62J15/00 B62K5/007 L60G200/142 L60G200/314 L60G200/422 L60G200/440 L60G204/143 L60G204/1482 L60G206/124 L60G300/13 L60G300/24 L60G300/26 L60G300/50

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.



0) WO07046266A1 – SMALL–SIZED VEHICLE VEHICULE DE PETITES DIMENS...

16) Family number: 34404243 (WO07046266A1) © PatBase

Title: SMALL–SIZED VEHICLE

Priority: JP20050307846 20051021 WO2006JP20192 20061010 WO2006JP320192 20061010

Family:

Publication number	Publication date	Application number	Application date
CN101291843 A	20081022	CN200680039239	20061010
CN101291843 B	20100714	CN200680039239	20061010
DE602006011498 D1	20100211	DE200660011498T	20061010
EP1947001 A1	20080723	EP20060811505	20061010
EP1947001 A4	20081015	EP20060811505	20061010
EP1947001 B1	20091230	EP20060811505	20061010
ES2336487 T3	20100413	ES20060811505T	20061010
JP2007111380 A2	20070510	JP20050307846	20051021
JP4657079 B2	20110323	JP20050307846	20051021
WO07046266 A1	20070426	WO2006JP320192	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 MOTOR CO

Inventor(s):(std)**:** KATSUHISA ICHIKAWA ; KAZUHIRO MINATO ; MASATOSHI NAGAOKA ; SHUHEI MARUYAMA ; NAGAOKA MASATOSHI ; MINATO KAZUHIRO ; MARUYAMA SHUHEI ; ICHIKAWA KATSUHISA

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 B62J15/00 B62J39/00 B62J99/00 B62K5/00 (Advanced/Invention); B62J15/00 (Advanced/Non–invention); A61G5/00 B62J99/00 (Core/Invention)

CPC: B62K5/007

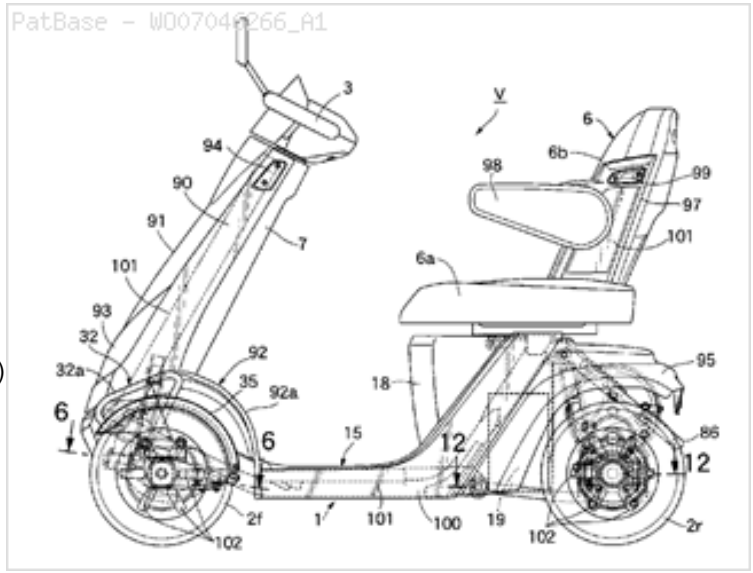
European class: B62K5/007

Classification Explorer

Cited documents: US5732788 A, JPS60158986 U, JP9315343 A2, JP63002384 Y2, JP60158986 U1, JP60158986 u1, JP60158986 U, JP6008866 A2, JP3284479 A2, JP2006151026 A2, JP2003252268 A2, JP2003245311 A2, JP2000238678 A2, JP2000237247 A2, JP10258090 A2, GB2385838 A1, DE4232423 A1,

Forward Citations: EP2243451,

Abstract:
A small–sized vehicle having a vehicle body frame (1); a left and right pair of front wheels (2f, 2f) suspended at the front of the vehicle body frame such that they can turn; a handle column attached to the vehicle body frame (1), between the front wheels (2f, 2f); a steering handle (3) steerably supported by the handle column; a driver seat (6) supported behind the handle column (28) by the vehicle body frame (1); and a front cover (91) supported by the vehicle body frame (1), covering the front face of the handle column (28). A guard member (32) having a grip used to lift up the vehicle body is positioned between the front cover (91) and each front wheel (2f), where the grip is located above each front wheel (2f) and supported by the vehicle body frame (1). The construction reduces a load on a assisting person in lifting the front part of the vehicle body.



17) Family number: 29427280 (US4630702A) © PatBase

Title: THREE–WHEELED MOTOR VEHICLE GEAR SHIFT MECHANISM

Priority: CA19840453149 19840430 EP19840302873 19840427 EP19840302873P 19840427 JP19830063059 19830428 JP19830073752 19830428 JP19830063059U 19830428 JP19830073754 19830428

Family:

Publication number	Publication date	Application number	Application date
CA1212631 A1	19861014	CA19840453149	19840430
DE3472241 D1	19880728	DE19843472241	19840427
EP0153508 A1	19850904	EP19840201123	19840427
EP0153508 B1	19880622	EP19840201123	19840427
JP59169226 U1	19841113	JP19830063059U	19830428
JP59202947 A2	19841116	JP19830073752	19830428
US4630702 A	19861223	US19840605404	19840430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE ; AIKAWA KUNIHIKO ; HONDA GIKEN KOGYO A CORP OF JAPAN KK ; HONDA GIKEN KOGYO ALSO TRADING HONDA MOTOR CO LTD AS KK ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** AIKAWA KUNIHIKO ; IRIKOU SHIYOUICHIROU ; IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE

Agent(s): JOHNSON DOUGLAS S QC

Designated states: DE FR GB IT

International class (IPC 8–9): B60K20/02 B60K20/04 B60Q1/00 B60Q1/04 B62D25/16 B62D25/20 B62D61/06 B62D61/08 B62K5/04 (Advanced/Invention); B60K20/02 B60K20/04 B60Q1/00 B60Q1/04 B62D25/16 B62D25/20 B62D61/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B60K17/00 B60K20/12 B60Q1/04 B62D25/00 B62D25/16 B62D25/20 B62D61/06

CPC: B60Q1/0035 Y10T74/20018 B60K20/04 B62D61/065

European class: B60Q1/04

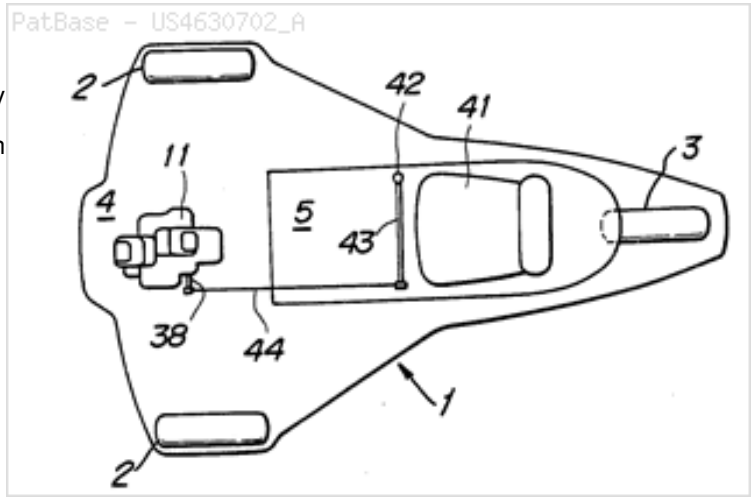
US class: 180/215 180/336 74/473.1 74/473R

Classification Explorer

Cited documents: US4438657 A, US3924706 A, US3450223 A, US2101057 A, US1635483 A, JP52075323 B4, GB421799 A, GB2093417 A1, FR2345306 A1, DE7737193 U,

Forward Citations: USD689794, USD485788, US9604683, US9004214, US8768570, US8695746, US8544587, US6948581, US6085609, US2004129483, US2004129473, US2004050605, US2004035626, US2004035625, US2004035623, US2004032120, US2003221891, US2003221890,

Abstract:
Source: US4630702A A three−wheeled motor vehicle having a vehicle body and an engine mounted on the vehicle body. A pair of laterally spaced wheels is disposed on the front of the vehicle body and a single wheel is disposed on the rear. The speed change transmission has a shift spindle on the same side as the vehicle door and a shift control mechanism includes a shift lever in the driver's compartment on the other side of the vehicle with a laterally extending rod mounted on the floor to transmit the shift selection motion to an operating wire and then to the transmission.



0) WO07046264A1 – SMALL–SIZED VEHICLE PETIT VEHICULE

18) Family number: 34404246 (WO07046264A1) © PatBase

Title: SMALL–SIZED VEHICLE

Priority: EP20060811503 20061010 JP20050307843 20051021 WO2006JP20190 20061010 WO2006JP320190 20061010

Family:

Publication number	Publication date	Application number	Application date
CN101291842 A	20081022	CN200680039109	20061010
CN101291842 B	20121017	CN200680039109	20061010
DE602006026435 D1	20120209	DE200660026435T	20061010
EP1947000 A1	20080723	EP20060811503	20061010
EP1947000 A4	20081015	EP20060811503	20061010
EP1947000 B1	20111214	EP20060811503	20061010
ES2378689 T3	20120417	ES20060811503T	20061010
JP2007111377 A2	20070510	JP20050307843	20051021
JP4657077 B2	20110323	JP20050307843	20051021
WO07046264 A1	20070426	WO2006JP320190	20061010

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; HOSAKA JUN ; MARUYAMA SHUHEI ; MINATO KAZUHIRO ; ICHIKAWA KATSUHISA

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

Inventor(s):(std)**:** HOSAKA JUN ; ICHIKAWA KATSUHISA ; KATSUHISA ICHIKAWA ; KAZUHIRO MINATO ; MARUYAMA SHUHEI ; MINATO KAZUHIRO ; SHUHEI MARUYAMA

Agent(s): PIESOLD ALEXANDER JAMES ET AL; 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 B62D25/18 B62J15/00 B62J17/06 B62J25/00 B62K5/00 (Advanced/Invention); B62J15/00 B62J17/06 (Advanced/Non–invention); A61G5/00 (Core/Invention)

CPC: B62K5/007 B62D25/161 B62D25/163 B62D25/186

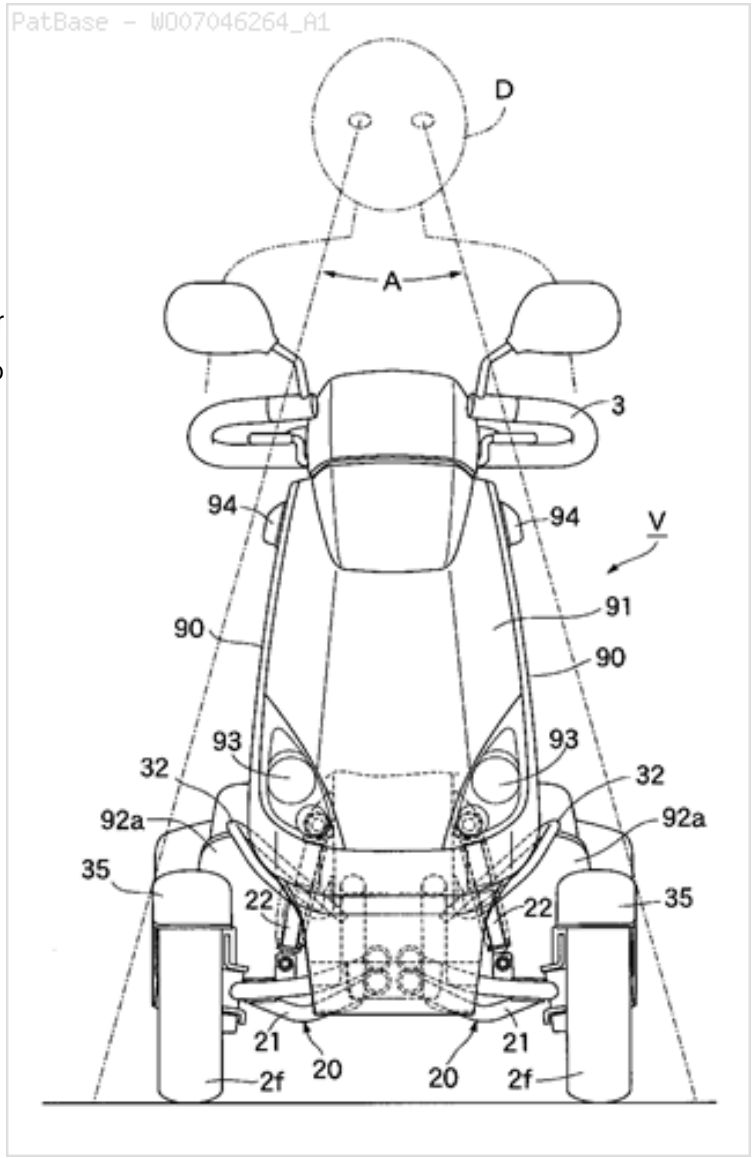
European class: B62D25/16B B62D25/16C B62D25/18B4 B62K5/007

Classification Explorer

Cited documents: WO03070548 A1, US4442477 A, US2004035623 AA, US2003221891 AA, US1613443 A, JP9315343, JP6008866 A2, JP2002211464 A2, JP2001346834 A2, JP2001286005 A2, JP2000238678 A2, JP11059503 A2, JP10258090 A2,

Forward Citations: CN104487322, CN104129437, CN104129437,

Abstract:
A small−sized vehicle, comprising a pair of turnable right and left front wheels (2f, 2f), a handle column disposed between the both front wheels (2f, 2f) in a standing state and supporting a steering handle (3), a steering mechanism disposed between the both front wheels (2f, 2f) to interlock the steering handle (3) with the both front wheels (2f, 2f), a foot−resting part for a driver disposed at the rear of the handle column, and a seat for the driver disposed at the rear of the foot−resting part. A movable fender (35) covering the upper part of each of the front wheels (2f) and turned together with each of the front wheels (2f) is so disposed that at least a part of the fender comes into the view (A) of the driver (D) seated on the seat (6). As a result, the small−sized vehicle does not provide an intimidating feeling to pedestrians while it travels on a sidewalk and the driver can always accurately recognize the state of the front wheels during the traveling.



0) US6547027B – ALL TERRAIN VEHICLE

19) Family number: 28467923 (US6547027B) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20000574234 20000519

Family:

Publication number	Publication date	Application number	Application date
US6547027 BA	20030415	US20000574234	20000519

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC

Inventor(s):(std)**:** KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

International class (IPC 8–9)**:** B62J1/12 B62K5/00 (Advanced/Invention); B62K5/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B62D21/00

CPC: B62K5/01 B62J1/12 B62K2005/001

European class: B62J1/12 B62K5/01 L62K5/00B

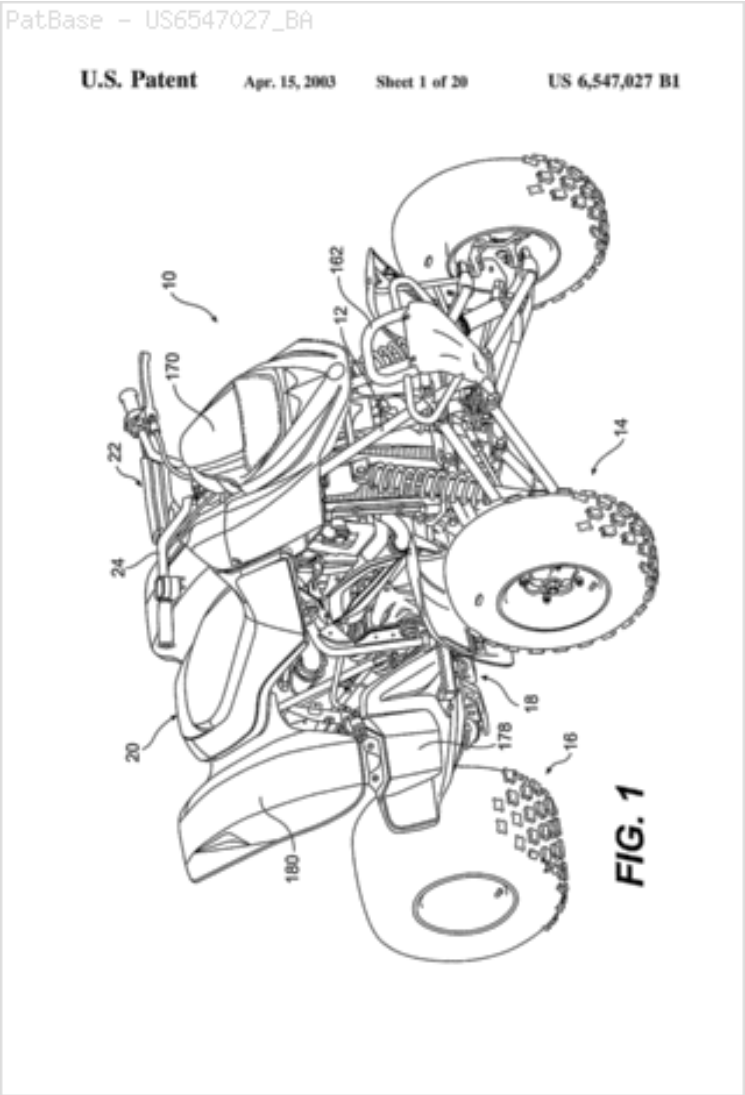
US class: 180/210 180/215 180/312 280/156 280/157 297/195.1

Classification Explorer

Cited documents: US6109621 A, US5353734 A, US5074573 A, US4836324 A, US4744432 A, US4457524 A, US4413700 A, US4325562 A, US1910635 A, JP60124581 A2,

Forward Citations: WO09008779, WO08143836, WO08143836, USD592116, US9266580, US9050869, US9045191, US9004214, US8973696, US8783720, US8622428, US8596398, US8430444, US8191930, US8191929, US8191677, US8091657, US8075007, US7954853, US7950736, US7942447, US7845452, US7806217, US7802816, US7757799, US7708105, US7669678, US7658411, US7644791, US7641207, US7624835, US7624829, US7618063, US7604562, US7591337, US7571787, US7537499, US7530419, US7461851, US7448664, US7367573, US7306069, US7231996, US7228930, US7168998, US7086691, US7055642, US7055642, US6964314, US6702058, US2013015634, US2012241237, US2012186895, US2011198831, US2011198830, US2011012334, US2010194088, US2010108428, US2009294199, US2009255747, US2009200766, US2009071738, US2008284124, US2008283327, US2008283326, US2008236923, US2008203795, US2008115991, US2007257516, US2007257479, US2007176384, US2007169975, US2007075517, US2007075514, US2007066438, US2006197331, US2006192375, US2006186699, US2006131827, US2006090950, US2006048987, US2005253353, US2005217912, US2005205315, US2005178603, US2005140178, US2004195035, US2004188156, US2004035624, US2003001377, EP1541465, EP1516809, CN102126522, CN102126521, AU2005205848,

Abstract:
Source: US6547027B An all terrain vehicle, also known as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US2002023792A – AIR INTAKE FOR A STRADDLE–TYPE ALL TERRAIN VEHI...

20) Family number: 20049168 (US2002023792A) © PatBase

Title: AIR INTAKE FOR A STRADDLE–TYPE ALL TERRAIN VEHICLE

Priority: US20000229027P 20000831 US20010942673 20010831

Family:

Publication number	Publication date	Application number	Application date
US2002023792 AA	20020228	US20010942673	20010831
US6892842 BB	20050517	US20010942673	20010831

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BANK OF MONTREAL

Inventor(s):(std)**:** BOUFFARD ERIC ; CARON GHISLAIN ; FORTIER MARIO

Agent(s): BRP LEGAL SERVICES

International class (IPC 8–9): B60K11/04 B60K11/08 B60K13/02 B62K5/00 F02M35/16 (Advanced/Invention); B60K11/00 B60K11/02 B60K13/00 B62K5/00 F02M35/00 (Core/Invention)

International class (IPC 1–7): B60K11/04 B60K13/02

CPC: Y02T10/146 F02M35/10013 B60K11/04 B60K11/08 B60K13/02 B60Y2200/124 B62K5/01 F02M35/10262 F02M35/162

European class: B60K11/04 B60K11/08 B60K13/02 B62K5/01 F02M35/10A2 F02M35/10K6 F02M35/16C L60Y200/124

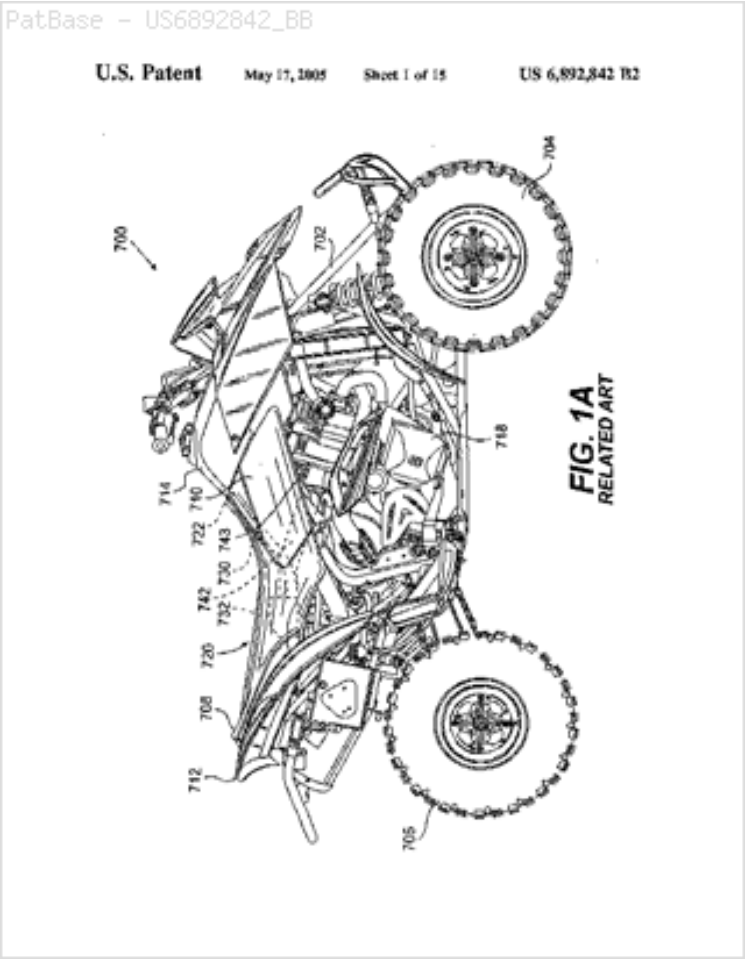
US class: 180/291 180/291S 180/68.3 180/68.4 180/68.400P

Classification Explorer

Cited documents: US6626260 BB, US6523634 BA, US6490907 BB, US6243928 BA, US6206446 BA, US6170597 BA, US6170597 B1, US5947219 A, US5327989 A, US5086858 A, US4577720 A, US4475616 A, US4357893 A, US3796277 A, US3700259 A, US2002088661 AA, JP62105719 A2, JP62006826 A2, JP61200029 A2, JP61171610 A2, JP61146633 A2, JP60153418 A2, JP59155545 A2, JP59048270 A2, JP58033522 A2, JP5147565 A2, JP431189, JP4031189 A2, JP3123482 A2, JP1301484 A2, JP1301484,

Forward Citations: WO10138867, USD592557, USD592556, US9446809, US9434244, US9365251, US9321494, US9283823, US9217501, US9211924, US9145038, US9096123, US8960347, US8827020, US8827019, US8746719, US8613336, US8613335, US8567847, US8453777, US8444161, US8434774, US8336656, US8205698, US8152880, US8127877, US7963832, US7744260, US7712562, US7674023, US7604382, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7431114, US7311170, US7140462, US6959934, US2016332676, US2014360800, US2014008136, US2010236852, US2010089355, US2010078239, US2009001781, US2009001762, US2009001745, US2009001704, US2008282654, US2008025812, US2008023991, US2008023990, US2008023989, US2007216524, US2007197157, US2007045029, US2006272873, US2006193143, US2006139939, US2006124379, US2005076871, US2004173394, US2003213628, RU2549226, JP2009544529, EP1849642, CN104827843,

Abstract:
Source: US2002023792A An all terrain or straddle type vehicle is provided with an air intake system having an air intake pipe with reduced length thereby avoiding unnecessary vibration which may adversely affect the fuel−to−air ratio of the engine, thereby improving engine performance. Also an inlet end of the air intake pipe is positioned so that the vehicle's capability for traversing water of a predetermined depth is improved. The height of the inlet end of the intake pipe is greater than the predetermined depth of the water to protect against water entering the air intake pipe due to encountering a water wave created in front of the vehicle that has a depth greater than the predetermined depth of the water. Additionally, openings in rear fenders of the vehicle channel intake air to both a radiator/fan assembly and the air intake system.



0) CA2308987A – ALL TERRAIN VEHICLE VEHICULE TOUT TERRAIN

21) Family number: 28071554 (CA2308987A) © PatBase

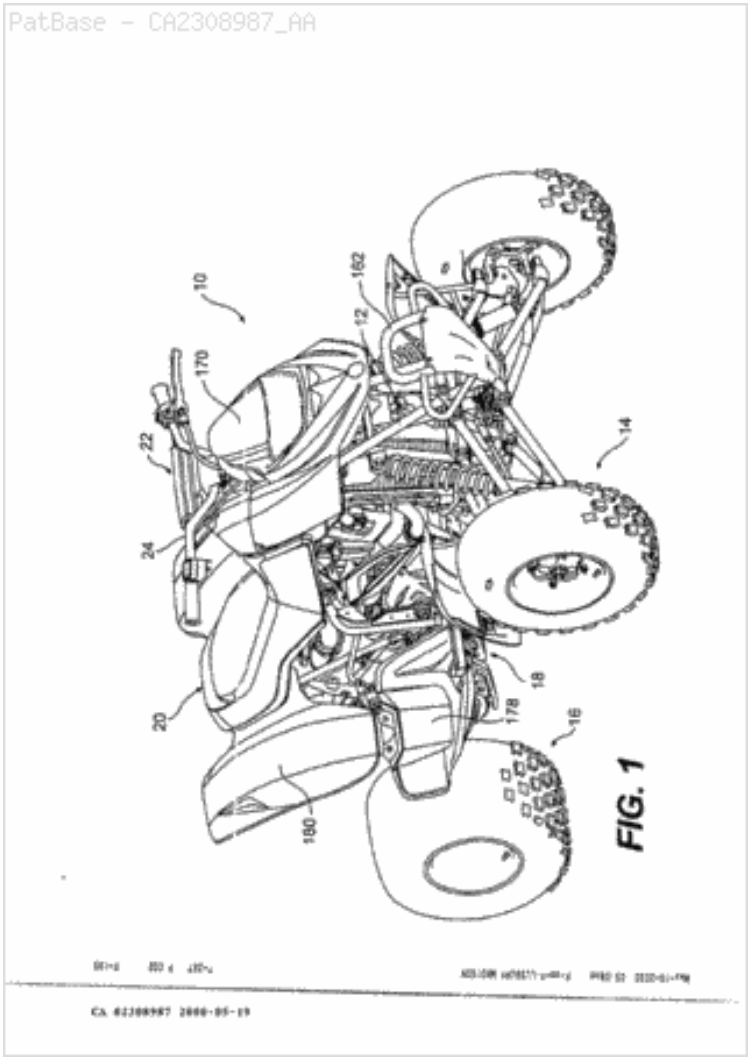
Title:	ALL TERRAIN VEHICLE
Priority:	CA20002308987 20000519

Family:

Publication number	Publication date	Application number	Application date
CA2308987 AA	20011119	CA20002308987	20000519

Probable Assignee:	BOMBARDIER INC
Assignee(s):(std)**:**	BOMBARDIER INC
Assignee(s):	BOMBARDIER RECREATIONAL PRODUCTS INC ; KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE
Inventor(s):(std)**:**	RONDEAU PIERRE ; PORTELANCE MARTIN ; KALHOK DAVID
International class (IPC 8–9)**:**	B60N2/24 B62D25/18 B62D63/02 B62J1/12 B62J15/00 B62K5/00 (Advanced/Invention); B60N2/24 B62J1/00 B62J15/00 B62K5/00 (Core/Invention)
International class (IPC 1–7)**:**	B60N2/24 B62D25/18 B62D63/02
CPC:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
European class:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
Classification Explorer	
Forward Citations:	US8007005, AU2008200563,

Abstract:
Source: CA2308987A An all terrain vehicle, also know. as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US3560041A – AUTOMOBILE ROAD VEHICLES

22) Family number: 471105 (US3560041A) © PatBase

Title: AUTOMOBILE ROAD VEHICLES

Priority: GB19670008022 19670220

Family:

Publication number	Publication date	Application number	Application date
DE1680055 A1	19710916	DE19681680055	19680220
GB1215803 A	19701216	GB19670008022	19670220
US3560041 A	19710202	US19680706335	19680219

Probable Assignee: KNOWHOW LTD

Assignee(s):(std)**:** DAVID B FOSTER ; FOSTER DAVID BLYTHE ; KNOWHOW LTD

Assignee(s): KNOWHOW LIMITED

Inventor(s):(std)**:** BLYTHE FOSTER DAVID ; FOSTER DAVID B

Inventor(s): DAVID B FOSTER

International class (IPC 8–9)**:** B60R19/02 B60R21/04 B62D39/00 (Advanced/Invention); B60R21/045 (Advanced/Non–invention); B60R19/02 B60R21/04 B62D39/00 (Core/Invention)

International class (IPC 1–7)**:** B60R21/04 B62D27/04 B62D31/00 B62D39/00

CPC: B60R19/02 B60R21/04 B60R21/045 B62D39/00

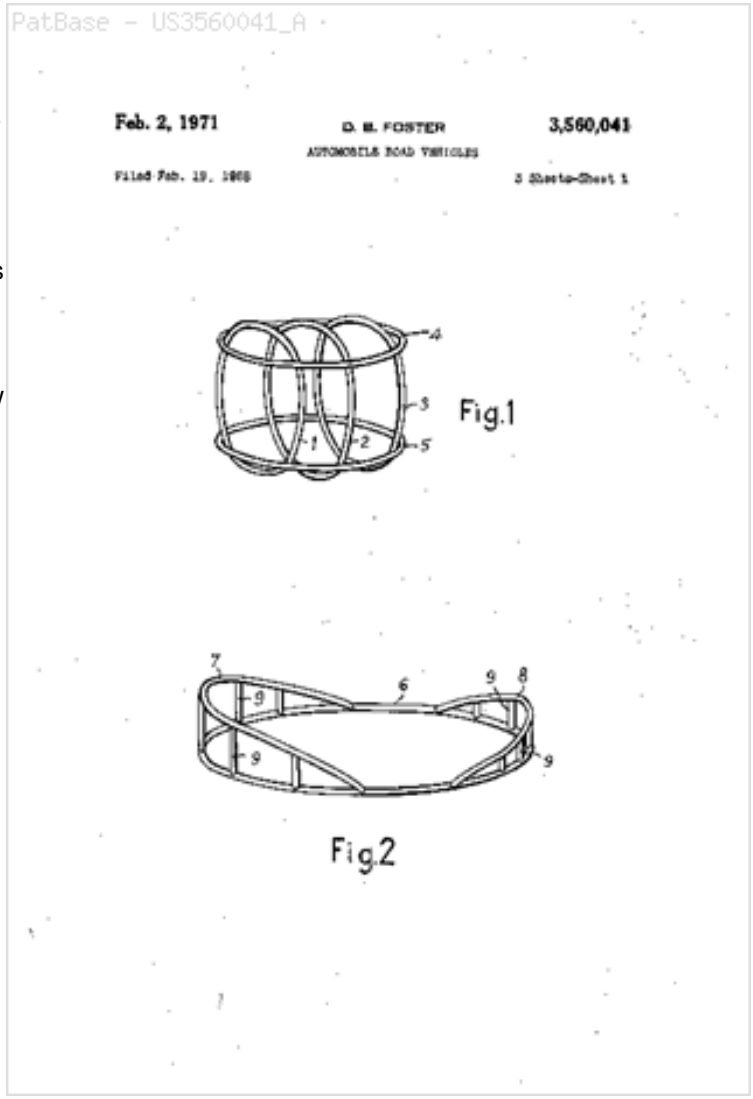
European class: B60R19/02 B60R21/04 B62D39/00 L60R21/045

US class: 280/752 293/102 293/127 293/30 296/1 296/35.2 296/63 296/64

Classification Explorer

Forward Citations: WO04089727, US6220654, US5813594, US5566874, US5454504, US5395036, US5092512, US4966391, US4838592, US4640527, US4568102, US4042057, US3926100, US3883155, US3881767, US3806152, US3797881, JP50048635,

Abstract:
Source: US3560041A ABSTRACT OF THE DISCLOSURE A vehicle comprising a mounting chassis, a driver/ passenger compartment formed as an assembly separate from said mounting chassis, and shock−absorbing means connected between said mounting chassis and said compartment whereby said compartment can move longitudinally with respect to said mounting chassis. The driver/ passenger compartment is provided with interior padding surrounding the occupants from head to feet with the padding being provided with openings therethrough at the locations of the glazed areas of the vehicle body, said padding also being shaped to follow the profile of the seated occupants and to prevent the occupants from coming into contact with the glazed areas in the event of



0) US4020914A – STABILIZED THREE–WHEELED VEHICLE

23) Family number: 1390830 (US4020914A) © PatBase

Title: STABILIZED THREE–WHEELED VEHICLE

Priority: US19760660729 19760223 US19770769946 19770218

Family:

Publication number	Publication date	Application number	Application date
CA1056313 A1	19790612	CA19770272359	19770222
DE2707562 A1	19770922	DE19772707562	19770222
DE2707562 C2	19880107	DE19772707562	19770222
IT1115833 A	19860210	IT19770048171	19770222
US4020914 A	19770503	US19760660729	19760223
US4088199 A	19780509	US19770769946	19770218

Probable Assignee: TRAUTWEIN WOLFGANG DR ING 7758 MEERSBURG DE

Assignee(s):(std)**:** TAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG DR ING

Assignee(s): TRAUTWEIN WOLFGANG DR ING 7758 MEERSBURG DE

Inventor(s):(std)**:** TAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG DR ING

International class (IPC 8–9)**:** B60G21/00 B62D37/00 B62D61/06 B62D61/08 B62K11/00 B62K13/04 (Advanced/Invention); B60G21/00 B62D37/00 B62D61/00 B62K13/00 (Core/Invention)

International class (IPC 1–7)**:** B60R B62D61/06 B62K13/08 B62K5/02 B62K5/04

CPC: B62K5/10 B62K11/00 B62K5/027 B62K5/05 B62K21/00 B62D61/065 B60G21/007 B60G2300/122 B62D37/00 B62K13/04

European class: L60G300/122

US class: 180/15 180/209 180/210 180/25R 180/271 180/41 280/124.103 280/267 280/269

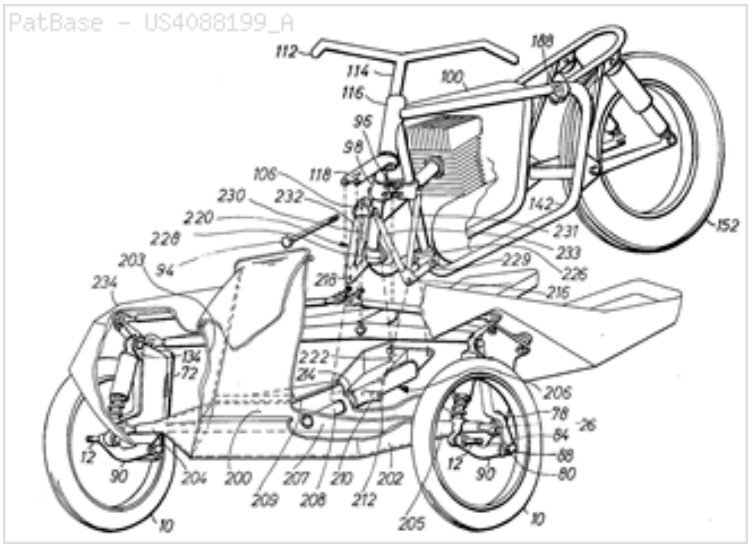
Classification Explorer

Cited documents: US4020914 A, US3964563 A, US3746118 A, US3610358 A, US3583507 A, US3572456 A, US3561778 A, US3447623 A, US2920636 A, IT599680 A, IT543232 A, IT528441 A, IT517430 A, FR544720 A, FR1158922 A, DE1063473 B, CH97196 A,

Forward Citations: WO8100088, WO17012869, WO16023689, WO06108997, WO05077683, WO04011324, WO03057549, WO0244008, WO0142077, USRE44854, USRE32031, USD689794, USD485788, USD449018, US9604683, US9545963, US9529365, US9477228, US9475535, US9459627, US9442492, US9442491, US9442486, US9429955, US9428236, US9411339, US9411336, US9400502, US9387902, US9268333, US9227662, US9188984, US9168966, US9126497, US9114844, US9004214, US8991542, US8973695, US8925940, US8882145, US8781684, US8777242, US8695746, US8544587, US8490723, US8467941, US8453768, US8419027, US8322477, US8262111, US8261685, US8177011, US8170780, US8061465, US8028777, US7970530, US7967306, US7958956, US7946371, US7909340, US7900725, US7850180, US7757794, US7739030, US7731210, US7722063, US7708291, US7690452, US7690447, US7665749, US7600596, US7591337, US7588110, US7571787, US7552790, US7546889, US7543829, US7530419, US7497525, US7487985, US7479872, US7467802, US7407175, US7370713, US7275607, US7264251, US7210544, US7182166, US7174976, US7172045, US7157875, US7152868, US7143853, US7090040, US7073806, US7023330, US7004271, US7000933, US6969079, US6965206, US6953203, US6948581, US6938907, US6929080, US6915878, US6886842, US6883629, US6874591, US6868931, US6866107, US6827163, US6815919, US6799649, US6796396, US6789640, US6779621, US6663122, US6651766, US6615938, US6581714, US6543564, US6538411, US6464030, US6443251, US6443250, US6435535, US6378882, US6367817, US6343664, US6311794, US6302230, US5794305, US5762351, US5611555, US5513865, US5431243, US5330214, US5248011, US5236060, US5232235, US5169166, US4998596, US4944360, US4919225, US4909538, US4903857, US4863183, US4740004, US4714126, US4699234, US4697663, US4662468, US4634137, US4624469, US4600216, US4546997,

US4484648, US4477097, US4469344, US4437535, US4423795, US4368795, US4360224, US4351410, US4336964, US4325565, US4313517, US4277078, US4088199, US2017043805, US2016129964, US2016023709, US2015329165, US2015210338, US2015203154, US2015197304, US2015123389, US2014375015, US2012161410, US2012126565, US2011304117, US2011209929, US2011193308, US2011168473, US2010320023, US2010263956, US2010194068, US2010193274, US2010114468, US2010101482, US2010007109, US2009321169, US2009277708, US2009194961, US2009125160, US2009108555, US2009099762, US2009032323, US2008258416, US2008100018, US2008035395, US2008001377, US2007256882, US2007187166, US2007176384, US2007126199, US2007075517, US2007075514, US2007045020, US2007007739, US2006273655, US2006260857, US2006249313, US2006175109, US2006170171, US2006151232, US2006125433, US2006108165, US2006108156, US2006097471, US2006086555, US2006061460, US2006054370, US2006049597, US2006011398, US2005236215, US2005211477, US2005167174, US2005126832, US2005121866, US2005093270, US2005012291, US2004178597, US2004129483, US2004129473, US2004118622, US2004094346, US2004069543, US2004055804, US2004055796, US2004054634, US2004050605, US2004035628, US2004035626, US2004035625, US2004035623, US2004032120, US2004024207, US2004011573, US2004007425, US2004007399, US2004007398, US2003221891, US2003221890, US2003205419, US2003141689, US2003102176, US2003057006, NL1021195, GB2374327, FR2884217, FR2559103, FR2534869, FR2522590, EP2923931, EP1378428, EP0020835, DE4444115, DE3128371, DE3040740, DE29702541, DE19524802, DE10224289, DE10224289, CN103863487, CN103863487,

Abstract:
Source: US4020914A A three−wheeled motorcycle in which two front wheels are interconnected with a conventional motorcycle frame by a parallelogram configured coupling assembly utilizing a pair of cross members pivotally connecting hubs of the front wheels and pivotally connected to the frame. Foot resting platforms are positioned on either side of the motorcycle, being fixedly connected to one of the cross members in the front and pivotally connected to the motorcycle frame at the rear.



0) US3621609A – SPRUNG AXLE ASSEMBLY AND METHOD FOR TOY VEHICLE...

24) Family number: 19273492 (US3621609A) © PatBase

Title: SPRUNG AXLE ASSEMBLY AND METHOD FOR TOY VEHICLES

Priority: US19690816196 19690415 US19710154931 19710621

Family:

Publication number	Publication date	Application number	Application date
BR7018215 A0	19730215	BR19700218215	19700413
CA921699 A1	19730227	CA19700071641	19700107
DE2000269 A1	19701029	DE19702000269	19700105
DE7000179 U	19700514	DE19700000179U	19700105
ES378530 A1	19720616	ES19700378530	19700413
FR2041996 A5	19710205	FR19700000042	19700102
GB1282262 A	19720719	GB19700000728	19700107
US3621609 A	19711123	US19690816196	19690415
US3707761 A	19730102	US19710154931	19710621

Probable Assignee: MATTEL INC

Assignee(s):(std)**:** MATTEL INC

Assignee(s): MATTEL INC US ; HARVEY W LABRANCHE ; MATTEL

Inventor(s):(std)**:** LABRANCHE H ; LABRANCHE HARVEY W ; WESLEY LABRANCHE HARVEY

Inventor(s): LABRANCHE H US ; HARVEY W LABRANCHE ; LA BRANCHE H

International class (IPC 8–9)**:** A63H17/26 (Advanced/Invention); A63H17/00 (Core/Invention)

International class (IPC 1–7)**:** A63H11/10 A63H17/00 A63H17/26 A63H19/22 B23P11/00 B23P11/02

CPC: A63H17/262 Y10T29/49863

European class: A63H17/26B

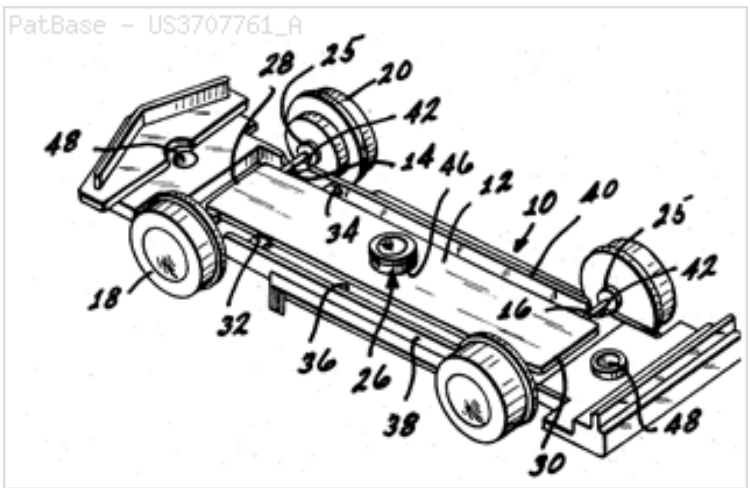
US class: 264/261 264/277 29/44.6 29/446 446/469 462/10

Classification Explorer

Cited documents: US3503308 A, US3074116 A, US3063194 A, US3009287 A, US2258053 A, US1929257 A, GB946130 A, FI26861 A, DE965558 A,

Forward Citations: US7854479, US6955580, US5273478, US3928905, US3711989, US2012208429, US2011263181, US2008264425, US2005079788,

Abstract:



Source: US3621609A ABSTRACT OF THE DISCLOSURE A toy vehicle in which axle wires are molded into a thin block of resilient plastic to keep the axles well aligned. The block is attached to the vehicle frame at its center, so the opposite ends wherein the axles are held are free to deflect upwardly, thereby permitting greater wheel deflection by a child pressing down on the vehicle without causing deflection of the axles past their elastic limit. The molding operation can be accomplished by tensioning a pair of thin axle wires, one serving as the front axle and the other as the rear axle, and molding plastic around them. The tensioning assures accurate alignment of the two front wheels with each other and the two rear wheels with each other. Inasmuch as the tools for tensioning the wires can be accurately located during production, the front and rear wheels also can be accurately aligned with each other. The novel features of the invention are set forth

with particularity in the appended claims. The invention will be best understood from the following description when read in conjunction with the accompanying drawings.

0) NL1015447C – RECREATION VEHICLE FOR FOOTBALL ON WHEELS, HAS ...

25) Family number: 23180653 (NL1015447C) © PatBase

Title: Recreation vehicle for Football on wheels, has fixed axle front wheels and single steerable rear wheel

Priority: NL20001015447 20000615

Family:

Publication number	Publication date	Application number	Application date
NL1015447 C2	20011219	NL20001015447	20000615

Probable Assignee: M AND M WHEELS V O F

Assignee(s):(std)**:** M AND M WHEELS V O F

Inventor(s):(std)**:** TEBBENS THOMAS LEONARDUS ; THOMAS LEONARDUS TEBBENS

International class (IPC 8–9)**:** B62K21/00 B62K5/04 B62K5/05 (Advanced/Invention)

International class (IPC 1–7)**:** A63H25/00 B62K21/00 B62K5/04

CPC: B62K5/05 B62K21/00

European class: B62K21/00 B62K5/05

Classification Explorer

Cited documents: US1373108 A, NL1009740 C2, FR705063 A, DE889407 A, BE357796 A,

Abstract:
The vehicle is elliptical about its central axis (2). It has two front wheels (3, 4) on a fixed axle (6). The rear wheel assembly (5) is controlled by a steering column. The rider sits on a seat (7) and controls the vehicle with accelerator (8) and brake (9) pedals. The outer edge of the vehicle has a rubber shock absorbent strip (11).

PatBase - NL1015447_C2

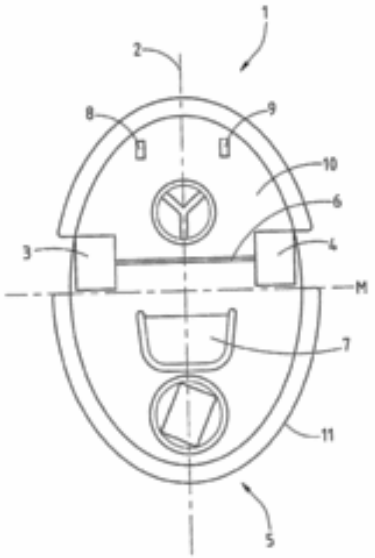


FIG. 1

1015447

0) WO11070388A1 – A FENDER FOR A VEHICLE GARDE–BOUE POUR UN VEHI...

26) Family number: 49086045 (WO11070388A1) © PatBase

Title:	A FENDER FOR A VEHICLE
Priority:	WO2009IB07968 20091211

Family:

Publication number	Publication date	Application number	Application date
WO11070388 A1	20110616	WO2009IB07968	20091211

Probable Assignee:	RENAULT TRUCKS
Assignee(s):(std)**:**	PRUAL FABIEN ; RENAULT TRUCKS
Inventor(s):(std)**:**	PRUAL FABIEN
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
International class (IPC 8–9):	B62D25/16 B62D25/18 (Advanced/Invention)
CPC:	B62D25/168 B62D25/165 B62D25/166
European class:	B62D25/16C2 B62D25/16C3 B62D25/16D
Classification Explorer	
Cited documents:	GB2299391, FR2768199,

Abstract:
The fender (6) is designed to be fixed on a vehicle structure proximate a wheel of said vehicle. The fender comprises a fender wall (7) in which is arranged at least one slot (14) adapted to receive a fastening means (21) such as a bolt and to allow the adjustment of the position of the fender (6) with respect to the vehicle structure. The slot (14) is substantially filled with a film (15) provided with a slit (16), thereby forming two sections of film (17, 18), said sections being capable of moving apart locally around the fastening means (21) when said fastening means is inserted through the slot (14).

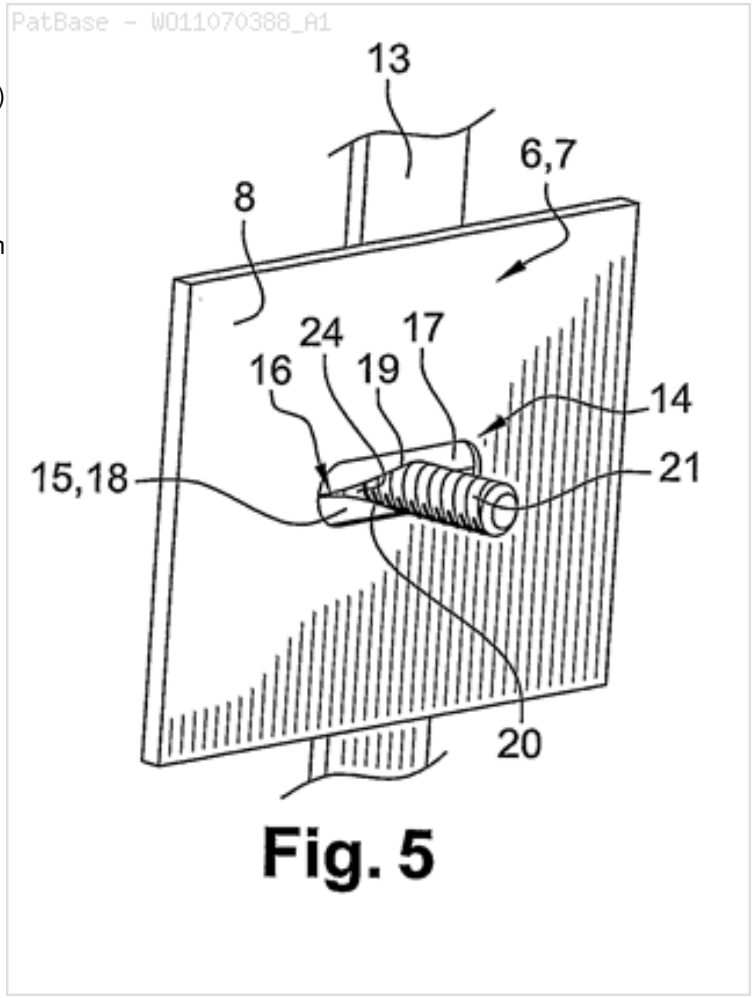


Fig. 5

0) BRPI0704370A – TRICICLO COM DUAS RODAS DIANTEIRAS E UMA TRASEI...

27) Family number: 46859462 (BRPI0704370A)

© PatBase

Title: triciclo com duas rodas dianteiras e uma traseira tricycle with two front wheels and a back (Machine translation)

Priority: BR2007PI04370 20070831

Family:

Publication number	Publication date	Application number	Application date
BRPI0704370 A2	20100908	BR2007PI04370	20070831

Probable Assignee: CEZAR ADEMIR FERREIRA

Assignee(s):(std)**:** CEZAR ADEMIR FERREIRA

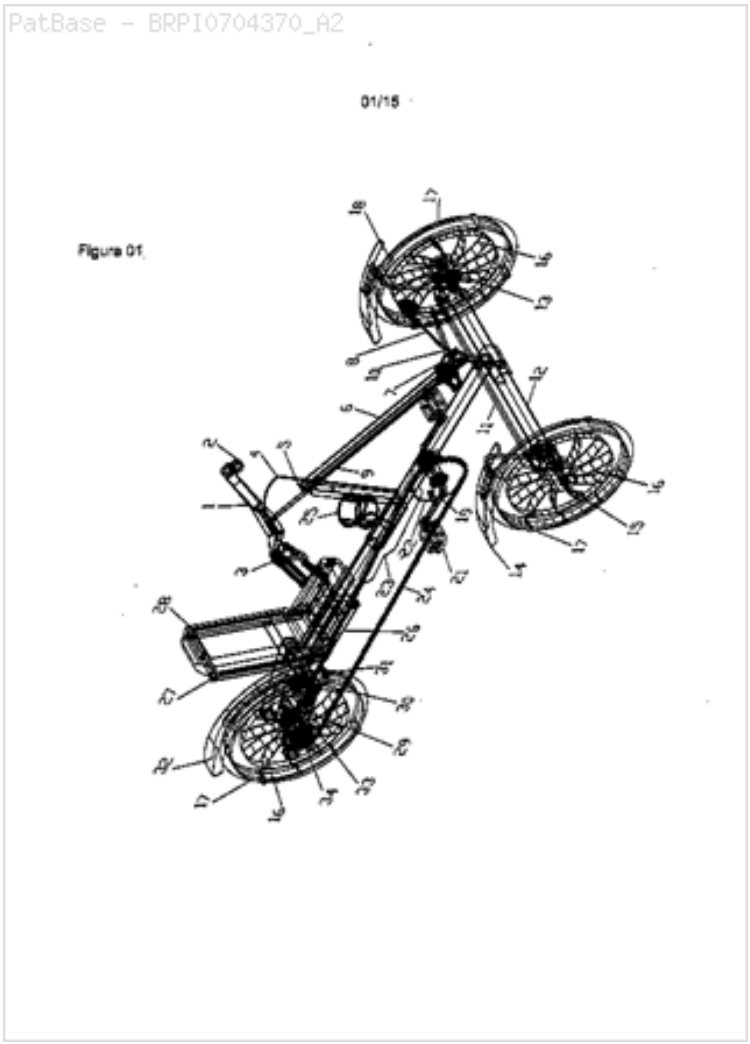
Assignee(s): ADEMIR FERREIRA CEZAR

Inventor(s):(std)**:** CEZAR ADEMIR FERREIRA

Inventor(s): ADEMIR FERREIRA CEZAR

International class (IPC 8–9): B62K5/02 (Advanced/Invention); B62K5/00 (Core/Invention)

Classification Explorer



Abstract:
Source: BRPI0704370A TRICICLO COM DUAS RODAS DIANTEIRAS E UMA TRASEIRA, assegura aos condutores grande seguranca pois desenvolve boa velocidade oferecendo grande estabilidade devido ao sistema de alinhamento das rodas e direcao, com estrutura em aco dividido em quatro modulos ou em peca unico, o sistema de tracao e a pedal e utiliza relacao de bicicleta com marcha ou sem, seu sistema de direcao funciona semelhante ao de um automovel com seu angulo de manobra de aproximadamente 450(graus) com extrema leveza devido ao conjunto de rolamentos utilizado no acoplamento das rodas, o freio adotado e o cantilever que em testes nos demonstrou um melhor resultado na frenagem na roda traseira, seu formato em "T" mantem as tres rodas no chao, o posicionamento do assento na parte de tras do "Triciclo" faz com que o sistema de frenagem trabalhe de forma eficiente, os retrovisores da ao condutor uma boa visibilidade, a facilidade de adaptacao do projeto nos possibilita a sua montagem com motor, freio a disco, sistema de suspensao e banco extra para carona, produzido em quatro modulos conforme segue: Quadro Dianteiro Superior, Quadro Dianteiro Inferior, Quadro Traseiro e Banco conforme identificamos na (figura 3), nesta forma possibilitamos que o transporte do brinquedo seja feito com conforto e seguranca.

Machine translation: TRICYCLE WITH TWO FRONT WHEELS AND a BACK, assures to the conductors great security therefore develops good speed offering great stability due to the system of alignment of the wheels and direction, with structure in steel divided in four modules or in sins only, the system tractive and the pedal and uses relation of bicycle with march or without, its system of direction functions approximately similar to the one of an automobile with its angle of maneuver of 450 (degrees) with the extreme slightness due to the set of rolamentos used in the coupling of the wheels, the adopted brake and cantilever that in tests in it more good demonstrated one result to

them in the lockwire in the back wheel, its format in “T” keeps the three wheels in the soil, the positioning of the seat in the behind part of the “Tricycle” makes with that the lockwire system works of efficient form, the retrovisores of to the conductor a good visibility, the easiness of adaptation of the project in them makes possible its assembly with engine, brake the record, system of suspension and extra bank for hitchhiking, produced in four modules in agreement follows: Superior Front picture, Inferior Front Picture, Back Picture and in agreement Bank we identify in (figure 3), in this form we make possible that the transport of the toy is made with comfort and security.

0) WO02102622A1 – SUPPORT MIRROR DRIVING EQUIPMENT FOR AUTOMOBILE...

28) Family number: 27160390 (WO02102622A1) © PatBase

Title: SUPPORT MIRROR DRIVING EQUIPMENT FOR AUTOMOBILE

Priority: KR20010018238U 20010619 KR20010034526 20010619

Family:

Publication number	Publication date	Application number	Application date
KR100417898 B1	20040211	KR20010034526	20010619
KR20020096212 A	20021231	KR20010034526	20010619
KR200248474 Y1	20011031	KR20010018238U	20010619
WO02102622 A1	20021227	WO2002KR01029	20020530

Probable Assignee: LEE GI TAE

Assignee(s):(std)**:** LEE GI TAE ; LEE KI TAE

Inventor(s):(std)**:** LEE GI TAE ; LEE KI TAE

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 KZ LC 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)**:** B60R1/00 B60R1/07 (Advanced/Invention); B60R1/06 B60R1/07 (Advanced/Non–invention); B60R1/00 B60R1/062 (Core/Invention)

International class (IPC 1–7)**:** B60R1/06 B60R1/07

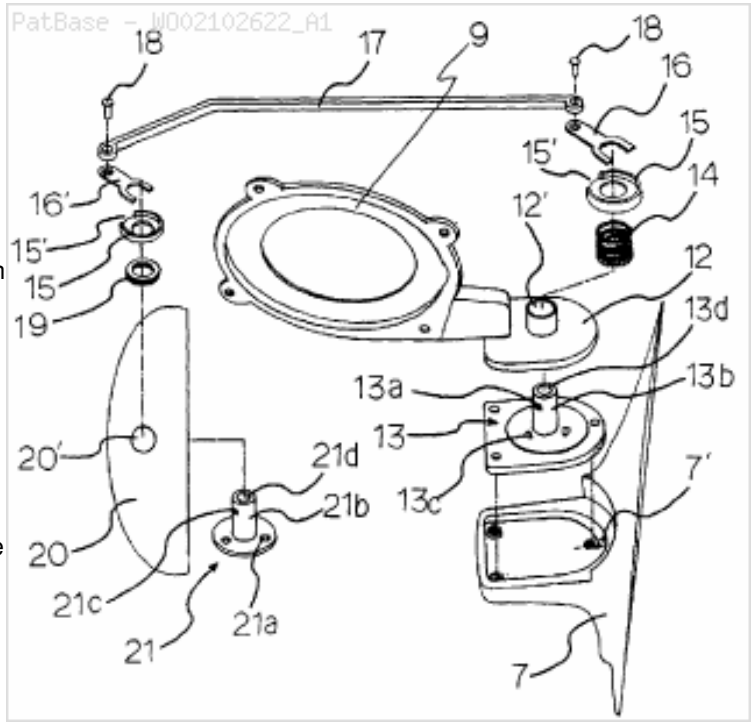
CPC: B60R1/002

European class: B60R1/00G

Classification Explorer

Cited documents: US4957359 A, KR970001200 U, KR19990041287 A, JPH0556635 U, JP59018050 U1, JP55145039 A2, JP5056635 U1, EP0865967 A2,

Abstract:
The present invention relates to a support mirror driving device for observing the front side direction of a vehicle. Because of an object or means for securing the broader view of the fenders of the two rear wheels or the rear corner dead zone instead of the above means for observing the dead zone under the fenders of the two front wheels, most drivers often has experiences that the front wheels were fell into a ditch or the vehicle collided with a boundary stone or an obstacle, if he did not notice the ditch or other obstacles. Also, it is inconvenient that he should drives the vehicle while sticking his head out of the window during parking or cornering. Thus, a support mirror (2) of the present invention is a driving means mounted on the lower part of the side mirror housing (11) at a right angle with the plane of the side mirror, in which the side mirror housing (11) is folded into the door panel welded part (24), and simultaneously the support mirror housing (20) is also folded into the door panel side welded part together, characterized by further comprising a support mirror driving device mounted on or assemble into a common side mirror as one body, for easily observing the front side view of the vehicle which does not come into sight by the



common side mirror, i.e., the dead zone around the fenders including the front wheels.

0) AT515075A – FAHRZEUG VEHICLE (MACHINE TRANSLATION)

29) Family number: 59289748 (AT515075A) © PatBase

Title: FAHRZEUG VEHICLE (Machine translation)

Priority: AT20130050744 20131107

Family:

Publication number	Publication date	Application number	Application date
AT515075 A1	20150515	AT20130050744	20131107

Probable Assignee: ONOII KG

Assignee(s):(std)**:** ONOII KG

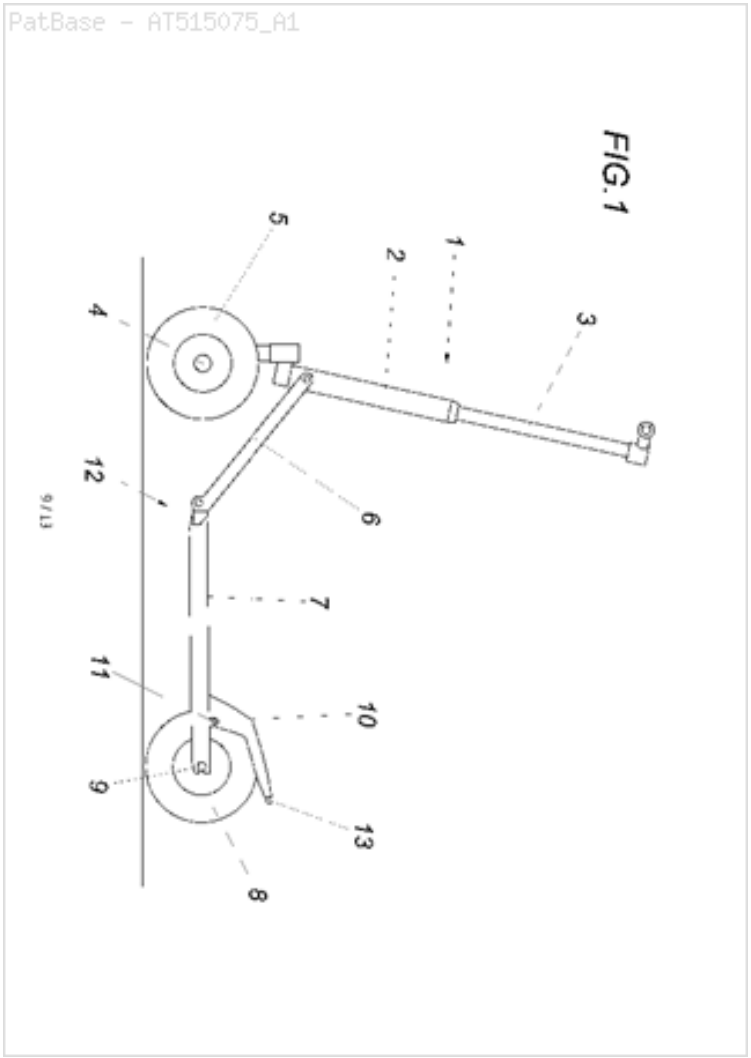
International class (IPC 8–9)**:** B62H1/02 B62K15/00 B62K17/00 B62K3/00 B62K5/05 B62K5/08 B62L1/04 B62L3/04 (Advanced/Invention)

CPC: B62K3/002 B62H1/02 B62K5/05 B62K5/08 B62K15/00 B62K15/008 B62K17/00 B62L1/04 B62L3/04

Classification Explorer

Cited documents: WO13065978 A1, JP9139480 U1, GB2492164 A1, DE20018919 U1,

Abstract:
Source: AT515075A Es wird ein Fahrzeug mit einem eine Achse fuer wenigstens ein Rad aufnehmenden Rahmen, mit einem am Rahmen vorgesehenen Kotfluegel fuer das Rad und mit einer Bodenabstuetzung fuer den Rahmen beschrieben. Um eine gute Standfestigkeit fuer die Ruhestellung des Fahrzeuges gewaehrleisten zu koennen, ohne hiefuer zusaetzliche Konstruktionsteile am Rahmen vorsehen zu muessen, wird vorgeschlagen, dass der Kotfluegel mit einem Endabschnitt die Bodenabstuetzung fuer eine um die Achse des Rades verschwenkte Ruhestellung des Rahmens bildet. It is written with a one axis for at least one wheel receiving frame, with a provided on the frame and the wheel fenders for a Bodenabstuetzung for the frame a vehicle. To ensure good stability for the rest of the vehicle without having to provide therefor additional structural parts on the frame, it is suggested that the mudguard is the Bodenabstuetzung for a pivoted around the axis of the wheel rest of the frame with an end.



0) US2001011825A – AEOLIAN ENERGY GENERATOR FOR CARS

30) Family number: 28114303 (US2001011825A) © PatBase

Title: AEOLIAN ENERGY GENERATOR FOR CARS

Priority: AR19990006348 19991214

Family:

Publication number	Publication date	Application number	Application date
AT296956 E	20050615	AT20000500214T	20001018
AU200055086 A5	20010621	AU20000055086D	20000901
AU780084 B2	20050224	AU20000055086	20000901
BRPI0006437 A	20010717	BR2000PI06437	20001211
CA2319951 AA	20010614	CA20002319951	20000920
DE60020503 D1	20050707	DE20006020503	20001018
DE60020503 T2	20060323	DE20006020503T	20001018
EP1108890 A2	20010620	EP20000500214	20001018
EP1108890 A3	20030402	EP20000500214	20001018
EP1108890 B1	20050601	EP20000500214	20001018
JP2001180397 A2	20010703	JP20000234084	20000802
JP4546624 B2	20100915	JP20000234084	20000802
US2001011825 AA	20010809	US20000735612	20001214

Probable Assignee: VEGA DORA ANGELICA GERICKE DE

Assignee(s):(std)**:** DORA ANGELICA GERICKE DE VEGA ; GERICKE DE VEGA DORA ANGELCA ; GERICKE DE VEGA DORA ANGELICA ; VEGA DORA ANGELICA GERICKE DE ; DE VEGA DORA ANGELICA GERICKE

Inventor(s):(std)**:** DE VEGA DORA ANGELICA GERICKE ; DORA ANGELICA GERICKE DE VEGA ; GERICKE DE VEGA DORA ANGELCA ; GERICKE DE VEGA DORA ANGELICA ; VEGA DORA ANGELICA GERICKE DE

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)**:** B01D59/50 B60K16/00 B60L8/00 B60R16/03 B62D35/00 F03D11/04 F03D3/00 F03D3/02 F03D3/04 F03D5/04 F03D9/00 F03G7/00 (Advanced/Invention); B01D59/00 B60K16/00 B60L8/00 B60R16/03 B62D35/00 F03D11/00 F03D3/00 F03D5/00 F03D9/00 F03G7/00 (Core/Invention)

International class (IPC 1–7)**:** B01D59/50 B60K16/00 B60L8/00 B60R16/02 B60R27/00 F03B13/00 F03D3/00 F03D3/02 F03D3/04 F03D5/04 F03D9/00 F03G7/00 H02P9/04

CPC: B60K16/00 B60K2016/006 B62D35/00 F03D3/002 F05B2240/941 Y02E10/728 Y02E10/74 Y02T10/90 F03D9/25 F03D13/20

European class: B60K16/00 B62D35/00 F03D11/04 F03D3/00C F03D9/00C L60K16/00B R05B240/941 Y02E10/72N Y02E10/74 Y02T10/90

US class: 290/54 290/54S 290/55 290/55P

Classification Explorer

Cited documents: US6138781 A, US6097104 A, US5986429 A, US5760515 A, US5680032 A, US5584355 A, US5386146 A, US5287004 A, US4423368 A, US4141425 A, US4039848 A, US3713503 A, US3590720 A, US3444946 A, JP8284847 A2, JP8200201 A2, JP6237501 A2, JP6237501, JP11303727 A2, JP10339260 A2, JP10318118 A2, EP0546983 A1, DE3907861 A1, DE3226381 A1,

Forward Citations: WO14055570, WO13089804, WO12042081, WO12032556, WO09092217, US9421845, US9084859, US9022150, US8579054, US8469123, US8434574, US7722313, US7652389, US7309213, US7043931, US2012234323, US2011168459, US2010006352, US2009025993, US2008231052, US2007104579, NL2002706, ITUD20080249, ITRM20100471, GB2461918, DE102006023130, CN103097724,

Abstract:
Source: US2001011825A Aeolian energy generator for cars is of the kind constituted by rotative nucleus joined to radial blade or vanes, such as propellers, inserted among air currents with the object to make the nucleus of a transformer of mechanic power into electric power rotate. The generator comprises a wide pipe of low height, longitudinally positioned between the wheels of both sides of a car, and under its body, the pipe is completely open at two ends and a wide traversal opening in its superior face; and a rotative axis, which is coplanar to the superior face outstanding in one of the sides of it. All the rotative bodies are attached to its axis, outstanding half of them from the superior face with half the blades. The mentioned end of axis protrudes laterally from the pipe is mechanically attached to the power transformer.

PatBase - US2001011825_AA

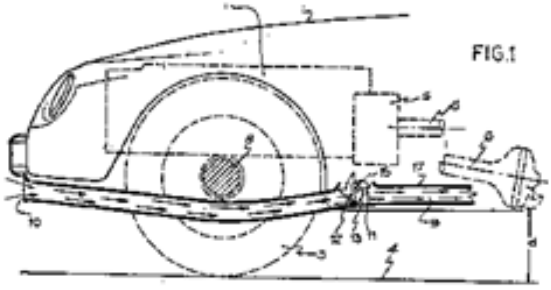


FIG.1



FIG.2

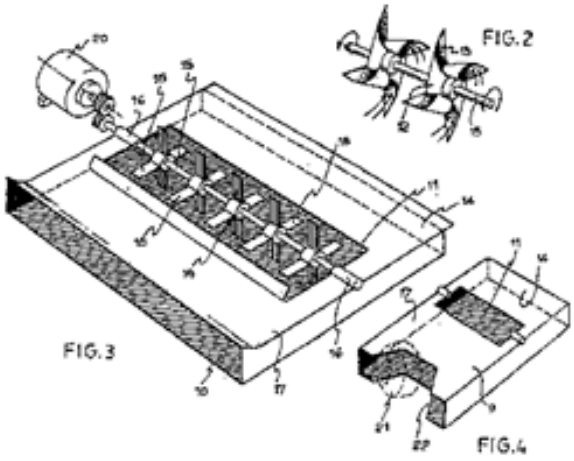


FIG.3

FIG.4

0) US5947222A – THREE–WHEELED AUTOMOBILE

31) Family number: 29259354 (US5947222A) © PatBase

Title: Three–wheeled automobile

Priority: JP19960202281 19960731 JP19960202286 19960731

Family:

Publication number	Publication date	Application number	Application date
JP10045079 A2	19980217	JP19960202281	19960731
JP10045080 A2	19980217	JP19960202286	19960731
JP3031455 B2	20000410	JP19960202286	19960731
JP3059679 B2	20000704	JP19960202281	19960731
US5947222 A	19990907	US19970900483	19970725

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)**:** AZUMA TOSHIYUKI ; HAKUNO TOSHIYUKI ; HIGASHI TOSHIYUKI ; KIMURA MASAYOSHI ; KOHAMA KATSUMI ; OKADA TAKEO ; SHIBAYAMA TAKAO ; SHIRONO TOSHIYUKI ; YAGUCHI YUKIHIRO ; YAMAOKA NAOJI ; YOSHIDA TERUAKI

International class (IPC 8–9): B62D25/20 B62D61/06 B62D63/04 B62J23/00 B62K5/04 (Advanced/Invention); B62D25/20 B62D61/00 B62D63/00 B62J23/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62D25/20 B62D61/06 B62D63/04 B62J23/00 B62K5/04

CPC: B62D61/06

European class: B62D61/06

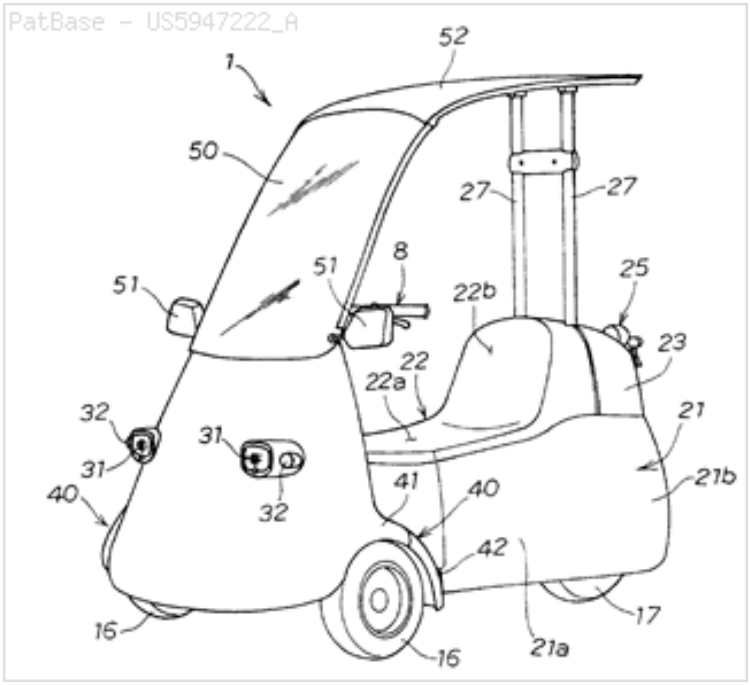
US class: 180/210 180/211 293/1 296/78.1 296/781

Classification Explorer

Cited documents: US4923026 A, US4799568 A, US4372602 A, US3934670 A, US1692342 A, US1582176 A, JP733060, JP61229683, JP60136275 U, JP55170191 U, JP480758 U, JP4292224, JP3909805 Y1,

Forward Citations: USD485788, USD449018, US9272744, US8678123, US8061465, US7661492, US7588110, US6948581, US6655483, US6325441, US2013075177, US2009277708, US2007045020, US2004129483, US2004129473, US2004050605, US2004035626, US2004035625, US2004035623, US2004032120, US2003221891, US2003221890, JP2014094164, JP2009056967, JP2006026304, JP2006001388, JP2006001387, JP2005104273,

Abstract:
Source: US5947222A A three−wheeled automobile comprises a front cowl for enclosing a front portion of the automobile, and a floor forming a passenger step. The front cowl has on lateral sides thereof rear ends positioned above front wheels of the automobile, and a front end surface positioned forwardly of the front wheels. As a result, a large space is provided between a front wall of the front cowl and a seat. A handle post is provided generally centrally of the floor. The floor has roomy foot platforms located around the handle post. As a result, a space left forwardly of the handle post can be used as a feet accommodating area.



0) DE1630289A1 – KRAFTFAHRZEUG MIT EINEM VORNUEBER KIPPBAREN FAH...

32) Family number: 447445 (DE1630289A1)

© PatBase

Title: KRAFTFAHRZEUG MIT EINEM VORNUEBER KIPPBAREN FAHRERHAUS MOTOR VEHICLE WITH A FRONT ON TILTING CAB (Machine translation)

Priority: DE1967D053144 19670523

Family:

Publication number	Publication date	Application number	Application date
DE1630289 A1	19710616	DE19671630289	19670523

Probable Assignee: DAIMLER BENZ AG

Assignee(s):(std)**:** DAIMLER BENZ AG

Inventor(s):(std)**:** BUCHARD PETER DIPL ING

International class (IPC 8–9): B62D33/067 (Advanced/Invention); B62D33/06 (Core/Invention)

International class (IPC 1–7): B60R3/02

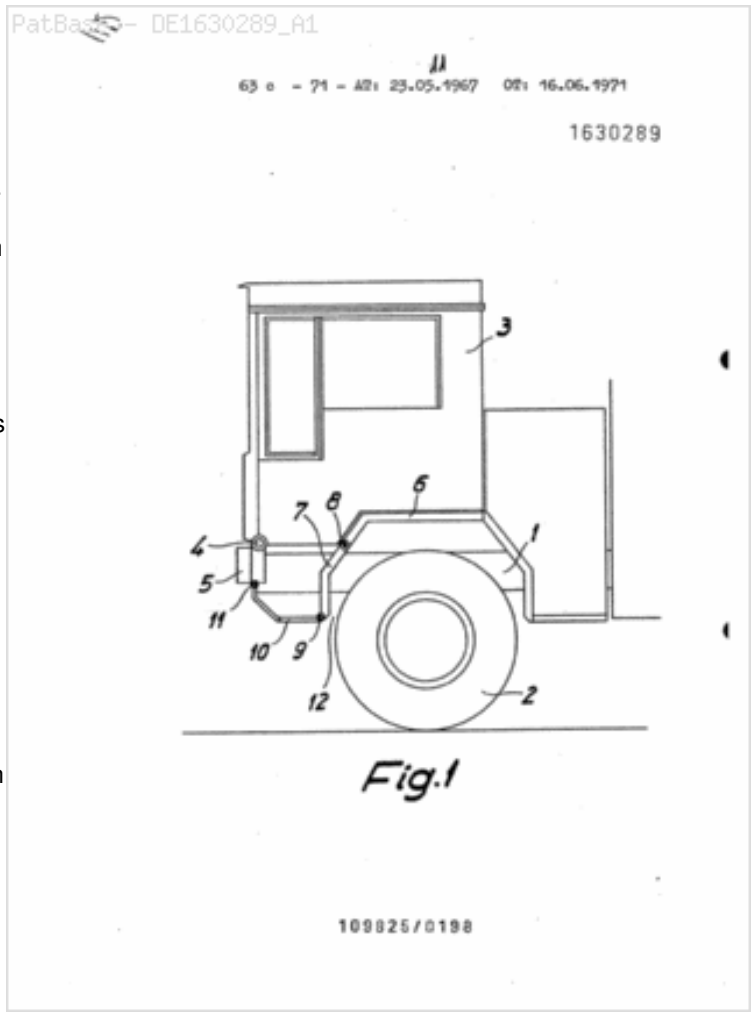
CPC: B62D33/067

European class: B62D33/067

Classification Explorer

Abstract:
Source: DE1630289A1 (Claim 1) 1. Kraftfahrzeug mit einem auf seinem Fahrzeugrahmen und zugleich oberhalb der Vorderraeder nach vorn ueber– kippbar angeordneten, vordere KotflUgelteile bildenden Frontlenker–Fahrerhaus und mit einem Aufstiegtritt inindes– tens vor einem der beiden Vorderraeder, dadurch gekenn zeichnet, daue der Aufstiegtritt (10) mit seinem vorderen Znde (Gelenkbolzen 11) am Fahrzeugrahmen (1) an einer unter der Anlenkstelle (Schwenkachse 4) des Fahrerhauses (3) gelegenen Stelle und mit seinem hinteren Ende am vorderen unteren Ende (Endteil 7) des benachbarten 1?–ot–fluegels (6) angelenkt und der vom Fahrerhaus (3) nach vorn unten ragende Endteil (7) des Kotfluegels mit dem)Fahrerhaus (3) gelenkig verbunden ist.

Machine translation: (Claim 1) 1 Motor vehicle with one on his vehicle frame and also above the front wheels forward about–tilt mounted, front KotflUgelteile fine cab–cab and a rise occurs inindes least before one of the two front wheels, characterized in Daue the rise occurs (10) with its front Znde (hinge pin 11) on the vehicle frame (1) at a below the point of articulation (swivel axis 4) of the cab (3) convenient location and with its rear end on the front lower end (end portion 7) of the adjacent one?–ot–wing (6) articulated and which the driver's cabin (3) forward downwardly extending end portion (7) of the fender with that) cabin (3) articulated.



0) ES1086231Y – DISPOSITIVO DE DOBLE APOYO CON INMOVILIZADOR PA...

33) Family number: 54398317 (ES1086231Y)

© PatBase

Title: DISPOSITIVO DE DOBLE APOYO CON INMOVILIZADOR PARA VEHICULOS

Priority: ES20130030839U 20130703

Family:

Publication number	Publication date	Application number	Application date
ES1086231 UA	20130730	ES20130030839U	20130703
ES1086231 Y1	20131025	ES20130030839U	20130703

Probable Assignee: GESTION TECNICA DE CANTERAS S L

Assignee(s):(std)**:** GESTION TECNICA DE CANTERAS S L

Assignee(s): GESTION TECNICA DE CANTERAS SL

Inventor(s):(std)**:** MORA AVILA ANTONIO

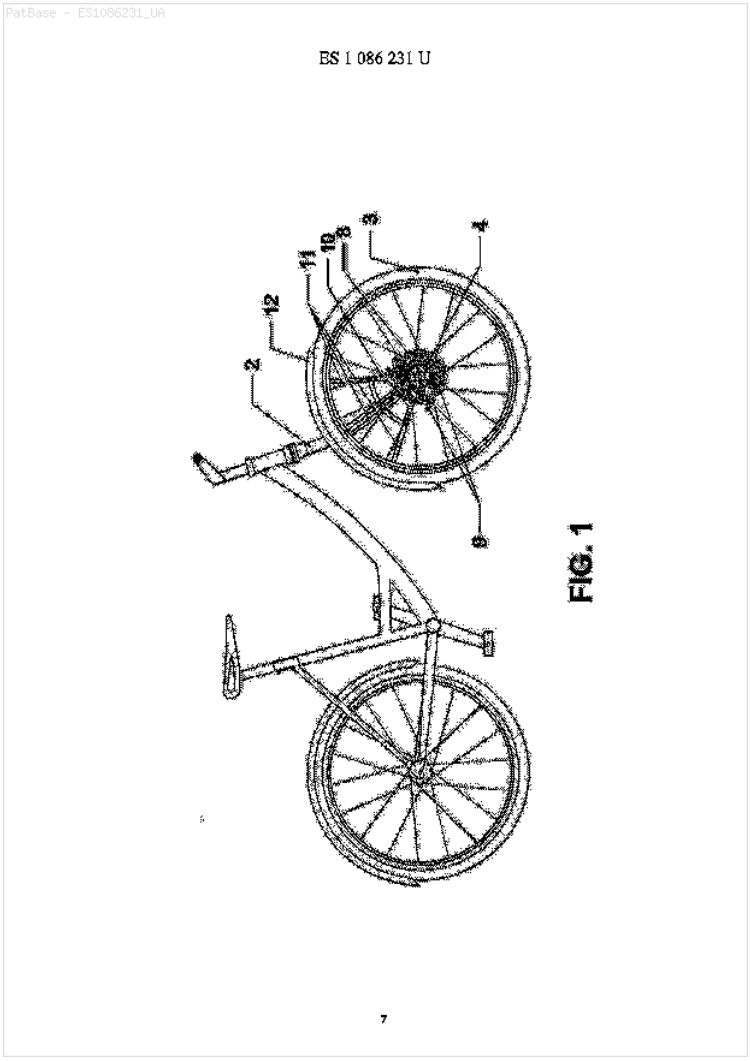
Inventor(s): ANTONIO MORA AVILA

Agent(s): SEGURA MERCEDES

International class (IPC 8–9): B62K5/08 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1086231U 1. Dispositivo de doble apoyo con inmovilizador para vehiculos, previsto principalmente para su aplicacion en bicicletas convencionales, transformando la bici en una bicicleta de dos ruedas delanteras y una rueda trasera, que comprende un eje superior para montaje del correspondiente manillar de la bicicleta adaptandose este al tipo de bicicleta que se desee en funcion del buje de direccion de la bicicleta, incluyendo ademas parejas de bielas asociadas a balancines para permitir la inclinacion de las ruedas delanteras con limitacion de dicha inclinacion por superposicion de las propias bielas, caracterizado porque las dos ruedas delanteras de la bicicleta son del mismo diametro y su montaje se realiza a traves de sendos ejes emergentes de ejes con brida previstos en los extremos de los propios balancines, yendo estos a su vez montados con caracter basculante sobre respectivos ejes de rodamientos y estando soportados por las bielas fijadas y articuladas a la parte inferior del eje central. 2. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicacion 1, caracterizado porque incorpora un disco de freno, que se proyecta desde la parte frontal de uno de los balancines, y cuyo disco de freno va montado sobre un soporte previsto en una de las bielas, estando dicho disco de freno montado en combinacion con una pinza de freno central que hace posible la detencion de la articulacion central mediante maneta situada en el manillar y cable de union entre ambos. 3. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicaciones anteriores, caracterizado porque las ruedas delanteras estan provistas de un sistema de frenado mediante pinza hidraulica, incorporando en una zona intermedia, entre maneta o palanca de actuacion y las pinzas,



un distribuidor para reparto de fluidos para cada rueda. 4. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicaciones anteriores, caracterizado porque incorpora soportes para guardabarros relacionado con los balancines. 5. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicacion 1, caracterizado porque el eje superior de montaje del manillar y fijado sobre el eje central inferior, es desmontable e intercambiable. 1. Double support device for vehicle immobilizer, intended primarily for application in conventional bicycles, turning the bike on a bike two front wheels and one rear wheel, comprising an upper shaft for mounting the bicycle handlebar adapting this to the type bike you want in function steering hub bicycle, including rods also associated with pairs of rocker to allow the inclination of the front wheels that tilt limitation by superposition of their own rods, wherein the two front wheels the bicycle are the same diameter and their assembly is carried out through respective shafts emerging flanged shafts provided at the ends of rocker arms themselves, moving these in turn pivotally mounted on respective shafts being supported by bearings and rods fixed and hinged to the bottom of the central axis. Two. Double support device for vehicle immobilizer according to claim 1, wherein it incorporates a brake disc, which projects from the front of one of the rockers, whose brake disc is mounted on a holder provided on one of the rods, said brake disk mounted in combination with a central brake caliper enables the joint detention center by lever located on the handlebars and cable junction between the two. Three. Double support device for vehicle immobilizer, according to previous claims, characterized in that the front wheels are equipped with a braking system with hydraulic clamp, incorporating an intermediate zone between handle or lever acting and tongs, a distributor for sharing fluid for each wheel. April. Double support device for vehicle immobilizer, according to previous claims, characterized in that it incorporates related fender mounts the rocker. May. Double support device for vehicle immobilizer according to claim 1, wherein the upper shaft of the handle assembly and fixed on the central shaft bottom is removable and interchangeable.

0) US4535869A – SADDLE RIDING TYPE MOTORCAR HAVING FOUR WHEELS ...

34) Family number: 29183445 (US4535869A) © PatBase

Title: SADDLE RIDING TYPE MOTORCAR HAVING FOUR WHEELS

Priority: CA19830420899 19830204 JP19820017324 19820205 NZ19830203181 19830204 JP19820017768 19820206 JP19820199640 19821113 JP19820199641 19821113

Family:

Publication number	Publication date	Application number	Application date
AU198311157 A1	19830811	AU19830011157	19830204
AU551549 B2	19860501	AU19830011157	19830204
CA1194804 A1	19851008	CA19830420899	19830204
JP1015435 B4	19890317	JP19820199641	19821113
JP1457456 C3	19880909	JP19820017768	19820206
JP1533752 C3	19891212	JP19820199641	19821113
JP1693630 C3	19920917	JP19820017324	19820205
JP1848984 C3	19940607	JP19820199640	19821113
JP2020475 B4	19900509	JP19820017324	19820205
JP3010551 B4	19910213	JP19820199640	19821113
JP58136576 A2	19830813	JP19820017324	19820205
JP58136577 A2	19830813	JP19820017768	19820206
JP59089281 A2	19840523	JP19820199640	19821113
JP59089284 A2	19840523	JP19820199641	19821113
JP63001234 B4	19880111	JP19820017768	19820206
NZ203181 A	19870220	NZ19830203181	19830204
NZ216507 A	19880108	NZ19830216507	19830204
US4535869 A	19850820	US19830462236	19830131

Probable Assignee: SUZUKI MOTOR CO

Assignee(s):(std)**:** SUZUKI MOTOR CO LTD ; SUZUKI MOTOR CO

Assignee(s): SUZUKI MOTOR COMPANY LIMITED ; SUZUKI MOTOR CORP ; TSUTSUMIKOSHI SHINOBU ; TAKASAKA MASAO ; GOTO AKIRA ; MURAKAMI TSUYOSHI ; SHINOHARA YOSHIKI ; SUZUKI CO LTD ; SUZUKI JIDOSHA KOGYO KK

Inventor(s):(std)**:** AKIRA GOTO ; GOTO A ; GOTO AKIRA ; GOTOU AKIRA ; KOUSAKA MASAO ; MASAO TAKASAKA ; MURAKAMI T ; MURAKAMI TAKESHI ; MURAKAMI TSUYOSHI ; SHINDOU TSUTSUMOKOSHI ; SHINOHARA Y ; SHINOHARA YOSHIKI ; TAKASAKA M ; TAKASAKA MASAO ; TSUTSUMIKOSHI S ; TSUTSUMIKOSHI SHINOBU ; TSUYOSHI MURAKAMI ; YOSHIKI SHINOHORA

Inventor(s): YOSHIKI SHINOHARA ; TSUTSUMIGOSHI SHINOBU ; SHINOBU TSUTSUMIKOSHI ; KOSAKA MASAO

Agent(s): LORD AND CO; FETHERSTONHAUGH AND CO

International class (IPC 8–9)**:** B62D61/00 B62D63/02 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K11/04 B62K25/04 B62K25/20 B62K25/28 B62K5/00 B62K5/01 B62K5/08 (Advanced/Invention); B62D63/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K25/04 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D39/00 B62D61/00 B62D63/02 B62J15/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K11/02 B62K11/04 B62K21/00 B62K25/04 B62K25/20 B62K25/28 B62K5/00 B62K5/08

CPC: B62K5/01

European class: B62K5/01

US class: 180/215 180/311 180/89.1 280/282

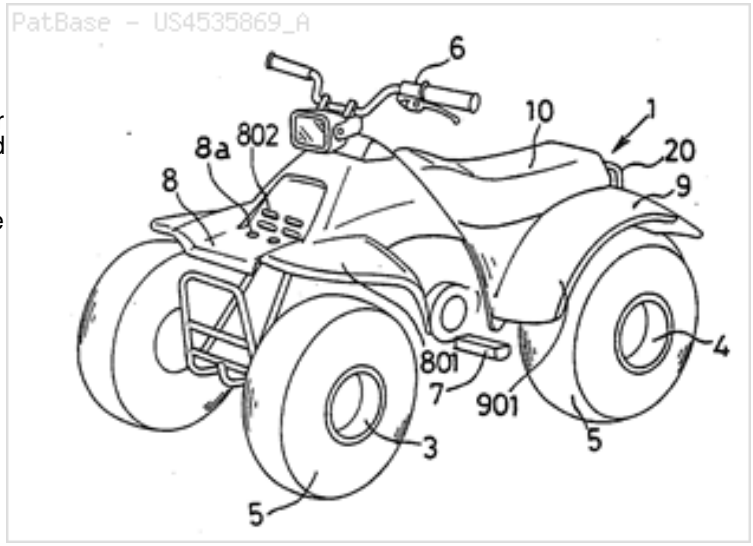
Classification Explorer

Cited documents:

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Forward Citations: WO0160684, USD601640, USD491615, US9481402, US9446809, US9266580, US8864204, US8783720, US8622428, US8191930, US8191929, US8191677, US7954853, US7942447, US7896371, US7740100, US7735869, US7708106, US7658411, US7644791, US7597387, US7591503, US7537499, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7357418, US7097207, US7097207, US6874590, US6860512, US6702058, US6631925, US6626260, US6523634, US6460907, US6085857, US6053272, US5620217, US5467839, US4836324, US4832399, US4799565, US4781258, US4776417, US4770262, US4749205, US4744432, US4735275, US4730689, US4699234, US4693333, US4687069, US4683970, US4667765, US4667758, US4650210, US4650029, US4632071, US4623167, US4614249, US4588200, US2011198831, US2011198830, US2010194088, US2010108428, US2009236840, US2009014976, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2007257516, US2007257479, US2006231308, US2006197331, US2006192375, US2006186699, US2004178619, US2004135397, US2004124033, US2003217884, US2003001377, JP7071950, JP63270297, JP62205879, JP62125967, JP62066894, JP62016582, JP61155615, JP61155613, JP61155612, JP61044083, JP61012477, JP60240582, JP60213587, JP60213576, JP60188081, JP60163779, JP60150188, JP60145987, JP60076586, JP60069791, JP60060081, JP60056681, JP59124467, JP5831052, JP58218481, JP2279484, JP2143651, JP2013049352, JP2007231991, EP1836064, CN102126522, AU594707, AU579290,

Abstract:
Source: US4535869A A new and unique saddle−riding type motorcar having four wheels comprising two front wheels and two rear wheels, wherein each of the front and rear wheels has a balloon tire mounted thereon and only the front wheels are rotatably supported on axles in such a manner as to turn in both directions relative to the longitudinal axis of the motorcar and the latter is steered by steering the front wheels by means of a bar handle constituting a steering mechanism. The motorcar includes a frame structure comprising a pair of upper frames, a pair of lower frames and a plurality of spacer frames, said pair of upper frames comprising a pair of fore−end portions extending downward from a bent portion at a forward inclination angle and a pair of inclined portions extending rearward by a certain distance from said bent portion at a gentle downward slope, said pair of lower frames being fixedly connected to the pair of upper frames by way of a fore axle at their fore end and by way of vertically extending frames at their rear end and said spacer frames extending in the transverse direction relative to the upper and lower frames so as to connect one of the upper frames to the other and one of the lower frames to the other. A steering head is located at the bent portion of the upper frames. Supporting sections are disposed at both the end−parts of the fore axle and at the rearmost end−parts of the lower frames to support the wheels. A suspension mechanism may be disposed at least on one of the front wheels and the rear wheels and each of the rear wheels may include an independent driving axle adapted to be swingably supported by means of an independent swing arm and an independent suspension mechanism.



0) FR2252232A – VEHICLE TRANSPORTER LORRY WITH WINCH – HAS LOWE...

35) Family number: 3250762 (FR2252232A) © PatBase

Title: VEHICLE TRANSPORTER LORRY WITH WINCH – HAS LOWERABLE CHASSIS ON JACK CONTROLLED LINKS CONNECTED TO WHEELS

Priority: FR19730042639 19731123

Family:

Publication number	Publication date	Application number	Application date
FR2252232 A1	19750620	FR19730042639	19731123
FR2252232 B1	19780224	FR19730042639	19731123

Probable Assignee: SAGE JACQUES

Assignee(s):(std)**:** SAGE JACQUES

Assignee(s): SAGE JACQUES FR

International class (IPC 8–9)**:** B60P3/07 (Advanced/Invention); B60P3/06 (Core/Invention)

International class (IPC 1–7)**:** B60P1/18 B60P3/06

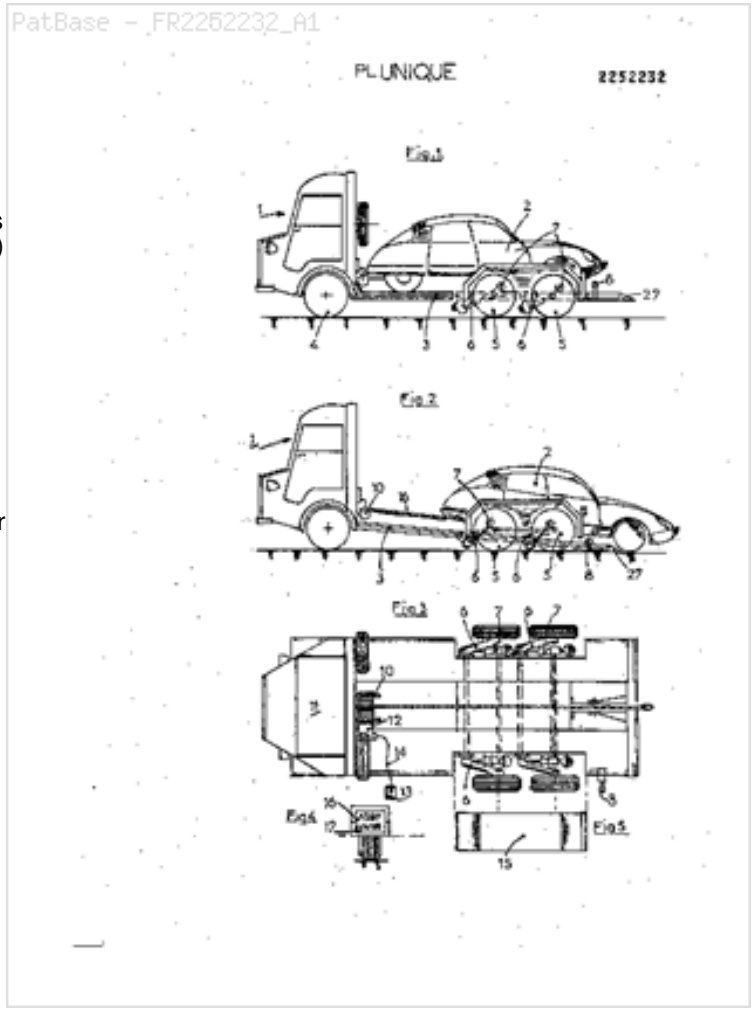
CPC: B60P3/07

European class: B60P3/07

Classification Explorer

Forward Citations: US6530580, US4493491, FR2452427, FR2419191,

Abstract:
Source: FR2252232A (Claim 1) 1 – Vehicule presentant un moyeu a l'avant et au moins deux roues @ l'arriere, caracterise on ce que le chassis prend appui sur les roues arriere par l'intermediaire de moyens permettant a lafois la susponsion et le basculement du chassis autour du moyeu avant, de facon a pouvoir mettre l'extremite arriere de ce chassis en contact avec le sol. The transporter lorry (1) has a chassis (3) on which is housed another (2). The transporter lorry has two front wheels (4) and four rear ones (5) articulated to the chassis by suspension arms (6) operated by hydraulic jacks (7). The read edge (27) of the platform is tapered, and a handle (8) controls the jacks. There is a cable winch behind the lorry club. This is controlled by a switch box on the end of a loose cable and electrically operated. The rear wheels have mudguards. To load, the chassis is tilted down until the rear touches the ground.



0) GB191324678A – IMPROVEMENTS IN OR RELATING TO THE UNDERCARRIAG...

36) Family number: 37035724 (GB191324678A) © PatBase

Title: Improvements in or relating to the Undercarriages of Perambulators and like Children's Vehicles.

Priority: 19131030

Family:

Publication number	Publication date	Application number	Application date
GB191324678 A	19140604		00000000

Probable Assignee: DOW WARRENDER BERNIE

Assignee(s):(std)**:** DOW WARRENDER BERNIE ; SIMPSON JOHN JAMES

Assignee(s): WARRENDER BERNIE DOW ; JOHN JAMES SIMPSON

Inventor(s):(std)**:** DOW WARRENDER BERNIE ; SIMPSON JOHN JAMES

Inventor(s): WARRENDER BERNIE DOW ; JOHN JAMES SIMPSON

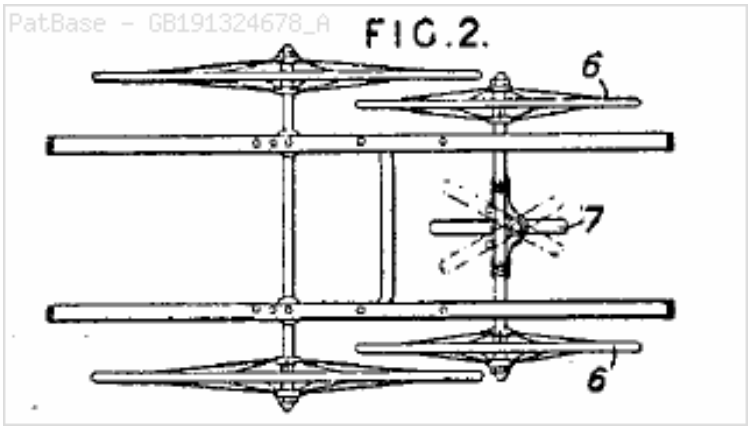
International class (IPC 8–9): B62B9/02 (Advanced/Invention); B62B9/00 (Core/Invention)

CPC: B62B9/02

European class: B62B9/02

Classification Explorer

Abstract:
Source: GB191324678A 24,678. Simpson, J. J., and Dow, W. B. Oct. 30. Wheels, arrangement of.–To facilitate the turning of a perambulator without any tilting movement about the rear axle, a swivelling wheel 7 is mounted between the two front wheels 6 so that the wheels 6 are raised clear of the ground. The wheels 6 form side supports to prevent lateral overturning, and are sufficiently forward of the wheel 7 to prevent this from contacting with a kerb which is to be mounted.



37) Family number: 45728951 (TWD100104S)

© PatBase

Title: Electrically operated riding instead of walking vehicle (5) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD100104 S1	20040821	TW20030305409F	20030903

Inventor(s): TSAI, CHI CHEN

Locarno class: 12/12

Abstract:
Source: TWD100104S

Machine translation: (1) goods use: ; One kind uses the transportation tool (2) creation characteristic for the medical service: ; This creation has outward appearance of design about one kind of electrically operated riding instead of walking vehicle, its localization four turn design emphasizes calm its take the old person or moving about with difficulty with Che Qieyi steadily as its main design direction. ; First, please refer the first chart to show the block diagram, and please refer other various charts to show; The figure shows this creation idea for by the streamline modelling biological modelling and the law Ralli's state design, the union facile good info clerk's function demand, becomes this design the creation main axle, the simple geometry line primarily construction, and makes the line or the surface the detail clear processing, even more promotes this design and the user confidence level of, enables users of the this crowd of weak trend tribal grouping tribal group to prepare the feeling warm and the concern. ; This creation the main characteristic lies in the facial features modelling which the handle covers cleverly lovable, under the display board the host support is a columnar circular pipe, picks appears externally does not decorate faces consumer's sense organ vision directly, between two front wheels sets at a fender, gives the human the steady feeling, after the automobile body part has the characteristic is the storage battery picks the low position design to cause the half to produce after the foot board, the storage battery, the wheel cap triad the three–dimensional steps and ladders modelling, builds one kind in the riding instead of walking vehicle domain unprecedented new field of vision. Also specially gives the large scale in each operation instruction and the button, the convenient user can easier operate this vehicle, causes this vehicle to have design the user friendly. ; As mentioned above, this creation novel design, must be able to receive user's affection and convenient, requests earnestly Hui Yu to examine and to kindly grant its patent, true feelings Germany then.



0) JP7025342B – HEAD–LAMP SUPPORT STRUCTURE OF SADDLING TYPE CA...

38) Family number: 8681459 (JP7025342B)

© PatBase

Title: HEAD–LAMP SUPPORT STRUCTURE OF SADDLING TYPE CAR

Priority: JP19850291477 19851224

Family:

Publication number	Publication date	Application number	Application date
JP1988738 C3	19951108	JP19850291477	19851224
JP62149575 A2	19870703	JP19850291477	19851224
JP7025342 B4	19950322	JP19850291477	19851224

Probable Assignee: YAMAHA MOTOR CO LTD

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

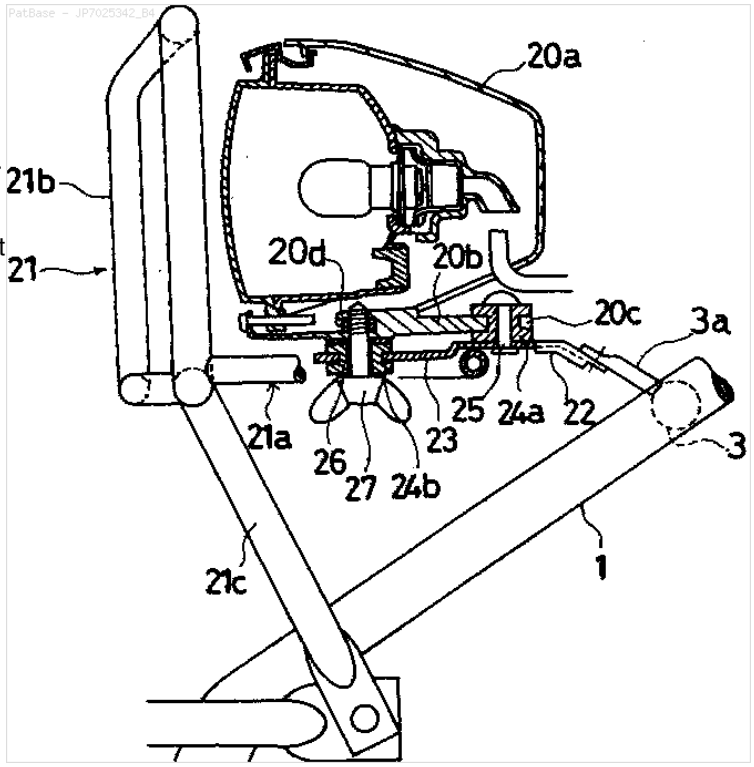
Inventor(s):(std)**:** KIMURA HIROSHI ; NISHIKAWA TORU ; TAKIMOTO HIROSHI

International class (IPC 8–9)**:** B62J15/00 B62J6/00 B62J6/02 (Advanced/Invention); B62J15/00 B62J6/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J6/00 B62J6/02

Classification Explorer

Abstract:
Source: JP7025342B . [Source: Claim 1] **1** equipped with an engine substantially at the center of the body frame, two in the front, at least one wide with ultra–low–pressure tire through the rear arm in the rear the wheel is mounted, successively the fuel tank to the rear of the steering wheel, and the straddle–type vehicle ing equipped with a saddle–shaped seat, in a central portion of the front fender that is arranged to cover the two front wheels above, a concave cutout recess formed in the rear, headlamp mounting structure of the straddle–type vehicle, characterized in that a headlight in cutout recess



0) FR2872699B – FAUTEUIL ROULANT PERMETTANT D'AMELIORER LE TRAN...

39) Family number: 32567332 (FR2872699B)

© PatBase

Title: FAUTEUIL ROULANT PERMETTANT D'AMELIORER LE TRANSFERT ET L'ACCES D'OBSTACLES

Priority: FR20040007460 20040706 FR20040010331 20040930

Family:

Publication number	Publication date	Application number	Application date
FR2872699 A1	20060113	FR20040010331	20040930
FR2872699 B1	20060908	FR20040010331	20040930

Probable Assignee: VEDRINES PATRICK ROBERT ALAIN

Assignee(s):(std)**:** VEDRINES PATRICK ROBERT ALAIN

Assignee(s): PATRICK ROBERT ALAIN VEDRINES

Inventor(s):(std)**:** VEDRINES PATRICK ROBERT ALAIN

Inventor(s): PATRICK ROBERT ALAIN VEDRINES

Agent(s): PATRICK VEDRINES

International class (IPC 8–9): A61G5/06 A61G5/10 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): A61G5/06

CPC: A61G5/06 A61G5/065 A61G5/10 A61G5/1054 A61G5/1083 A61G5/1089

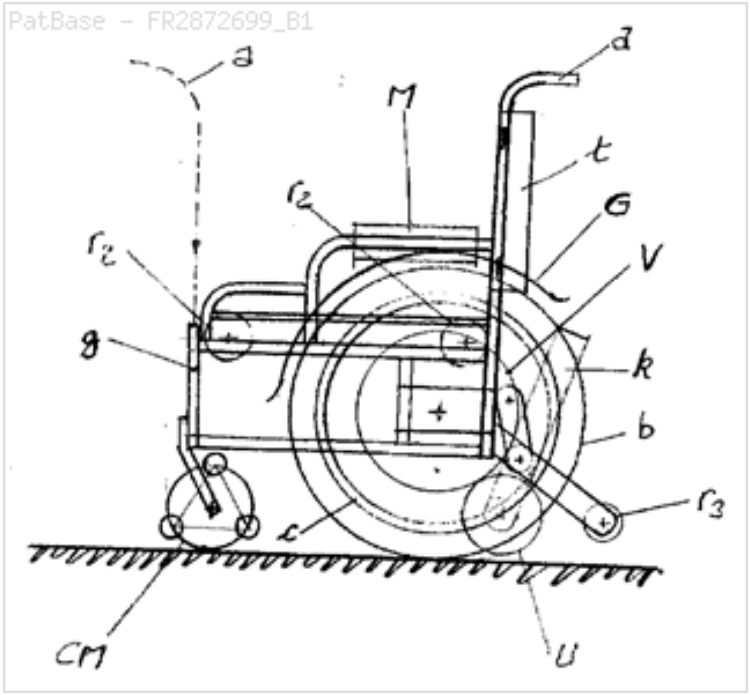
European class: A61G5/06 A61G5/06B2 A61G5/10 K61G5/10H K61G5/10Z3 K61G5/10Z5

Classification Explorer

Cited documents: US4542918 A, US4515385 A, US4375295 A, US4264085 A, US3848883 A, US3231293 A, US3214184 A, US2002125711 AA, EP1323401 A1, DE19639836 A1,

Forward Citations: US9283989, US9248857, US9145168, US9090281, US9045015,

Abstract:
Source: FR2872699B The wheelchair has two cross wheels (CM) mounted on both sides of two front wheels. Anti–tilting wheels (r3) are fixed symmetrically in two drive wheels (b) by two arms that connect the wheels (b) to a frame. A jockey wheel (U) is placed in alignment with the wheels (r3), inside the wheels (b). Two mudguards (G) protect the wheelchair against dust from the wheels (b).



0) JP3069297U – ELECTRIC GOLF CART (MACHINE TRANSLATION)

40) Family number: 42341402 (JP3069297U)

© PatBase

Title: Electric golf cart (Machine translation)

Priority: JP19990009063U 19991129 JP19990906399U 19991129

Family:

Publication number	Publication date	Application number	Application date
JP3069297 U	20000606	JP19990009063U	19991129

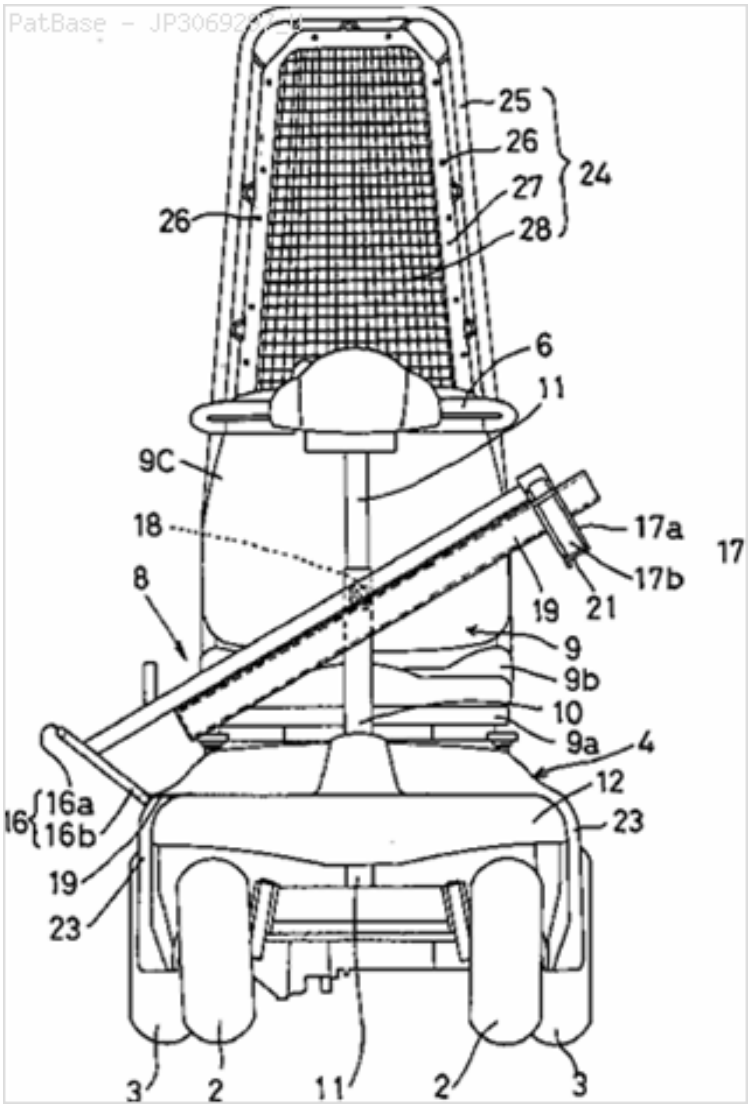
Probable Assignee: DAIWA SEIKO CO LTD

Assignee(s): DAIWA SEIKO CO LTD ; NIPPON STEEL SUMIKIN BUSSAN CO LTD

International class (IPC 1–7): A63B55/08 B62D63/02

Abstract:
Source: JP3069297U

Machine translation: [summary] Electric golf cart and easy to handle operation of addition and out of the golf club that is easy to eliminate with the shaking of the golf club and a golf bag can be loaded well stability [challenge]. In the wheel or four wheel to claim three [means, provided at the bottom of the vehicle after 8 to accommodate the battery case and the drive unit to drive the rear wheel 3, the sheet 9 is provided for the crew on the upper side of the case 8 wherein, said Golf carts will be provided post 10 provided with 20 front fender portion 13 provided with a place toward the front foot from the bottom front of the case 8, 11 and its stem to support the operation handle 6 for the front wheel above the two front wheels In one, the support post 10 of the handle stem 11 above, obliquely attached to said support member (15) Post 10 support golf bag, bag holder body 17 is provided at the top and bottom bag body 16 received in said support member (15), to be able to handle 11 obliquely to the stem carrying a golf bag.



0) GB783452A – IMPROVEMENTS IN OR RELATING TO CAR PARKING APPA...

41) Family number: 20487448 (GB783452A)

© PatBase

Title: Improvements in or relating to car parking apparatus

Priority: GB19550006207 19550302

Family:

Publication number	Publication date	Application number	Application date
GB783452 A	19570925	GB19550006207	19550302

Probable Assignee: CLIFFORD KINGSBURY FITCH

Assignee(s):(std)**:** CLIFFORD KINGSBURY FITCH

International class (IPC 8–9)**:** E04H6/08 (Advanced/Invention); E04H6/08 (Core/Invention)

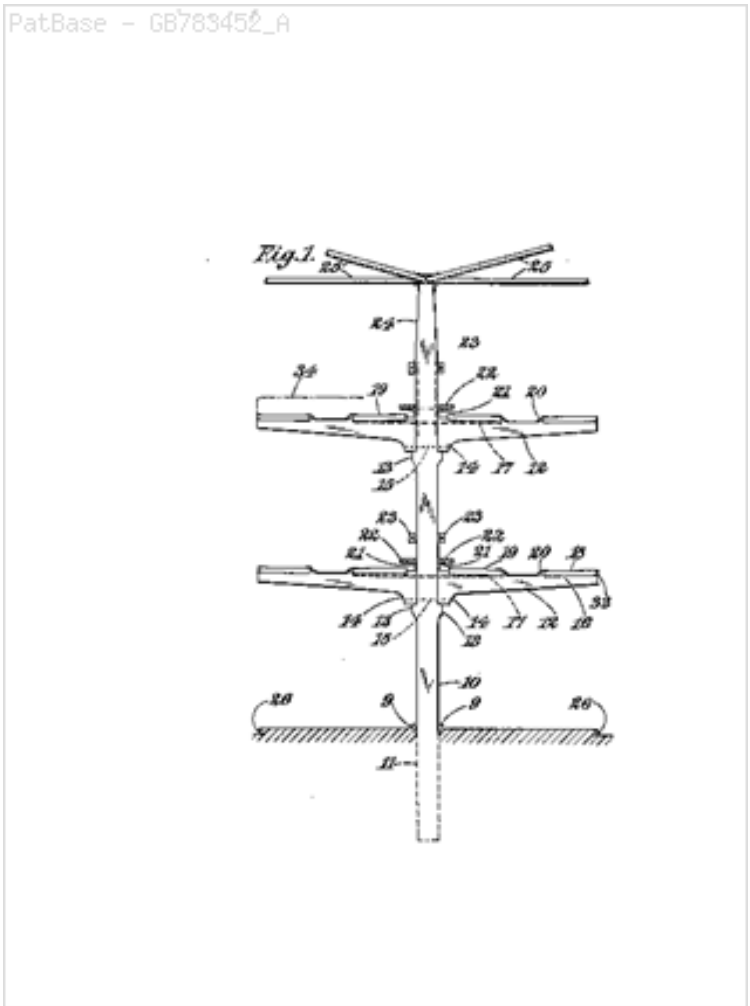
International class (IPC 1–7)**:** E04H6/18

CPC: E04H6/08

European class: E04H6/08

Classification Explorer

Abstract:
Source: GB783452A 783,452. Garages. FITCH, C. K. Oct. 21, 1955 [March 2, 1955], No. 6207/55.. Class 20(1) [Also in Group XXX] A car parking apparatus comprises a structure provided with a number of platforms spaced one above the other and arranged to be loaded by a lift truck the lifting carriage of which carries a car supporting cradle (see Group XXX). The structure shown in Fig. 1 is constructed from concrete and comprises a row of pillars 24 supporting a roof structure 25 and provided with pairs of arms 14, wheel supporting planks 17, 18 extending between the arms of adjacent pillars, and drip trays 20 located between the planks. Stops 26 are provided to locate the truck wheels in the correct loading position. In the modification shown in Fig. 6 arms 32 are arranged in pairs, the arms of each pair being arranged one on each side of pillar 24 and adjacent pairs of arms being connected together by members 35, 36 which support planks 37 forming a continuous car supporting surface. The structure is provided with gutters 38. In various other modifications (a) the plank supporting arms'comprise beams passing through slots precast in the pillars and extending on both sides thereof (Figs. 4, 5, not shown); (b) the arrangement of arms and planks is replaced by providing at each level on each pillar two precast panels arranged edge to edge with the panels supported by the adjacent pillars (Figs. 8–10, not shown); (c) the pillars are arranged in a circle and support annular platforms; (d) the structure is constructed from rolled steel joists and pillars and (e) the platform may be corrugated (Fig. 9, not shown).



- **search:** SS2 FT=fender* and mud and (quad or motorcycle) (Results 186)

- List: SS2 1–50 (FT=fender* and mud and (quad or motorcycle)) (Results 186)

0) US2012073893A – MOTORCYCLE

1) Family number: 50829225 (US2012073893A) © PatBase

Title: MOTORCYCLE

Priority: EP20110178431 20110823 JP20100216771 20100928

Family:

Publication number	Publication date	Application number	Application date
DE602011012247 D1	20150205	DE201160012247T	20110823
EP2433855 A2	20120328	EP20110178431	20110823
EP2433855 A3	20131016	EP20110178431	20110823
EP2433855 B1	20141217	EP20110178431	20110823
IN01162KO2011 A	20120525	IN2011KO01162	20110902
JP2012071644 A2	20120412	JP20100216771	20100928
US2012073893 AA	20120329	US20110238091	20110921
US8596400 BB	20131203	US20110238091	20110921

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** HOSHIBA JUN ; MUROO SAKIO ; YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** HOSHIBA JUN ; MUROO SAKIO ; MUROO TOSHIO

Inventor(s): SAKIO MUROO ; JUN HOSHIBA ; MUROO SAKIO IWATA SHI ; HOSHIBA JUN IWATA SHI

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; KEATING AND BENNETT 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): B62D21/00 B62J15/00 B62J21/00 B62J25/00 B62K11/00 (Advanced/Invention)

CPC: B62J15/00 B62J21/00 B62J25/00 B62K11/04

European class: B62J21/00 B62J25/00 B62K11/04

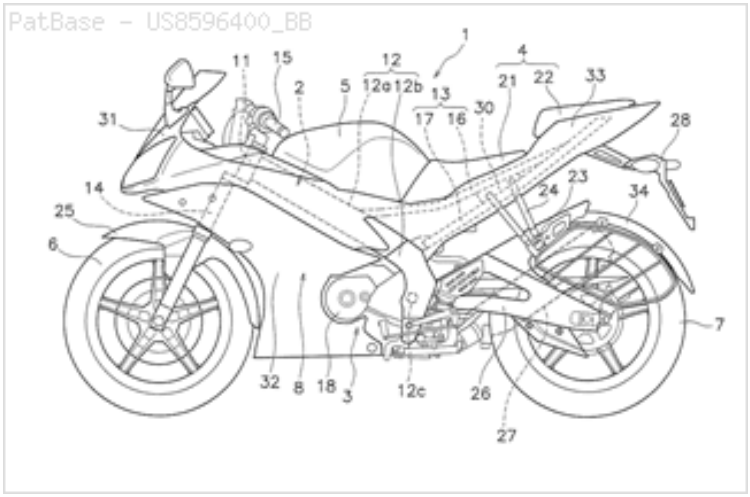
US class: 180/219 180/311 280/304.3

Classification Explorer

Cited documents: US8162091 BB, US7823677 BB, US7648169 BB, US7311232 BB, US7278560 BB, US6520275 BB, US6349783 BA, US6293450 BA, US6234266 BA, US5762249 A, US5025883 A, US4815555 A, US2011049205 AA, US2003063472 AA, US2002153187 AA, JP6298144 A2, JP4083402 B2, JP2009107566 A2, JP2009051229 A2, JP2006182150 A2, CN101607582 A,

Forward Citations: USD753026, USD739311, USD716704, USD712794, US9434440, US9233727, EP2889208,

Abstract:
Source: US2012073893A In a motorcycle, a seat frame portion connects to a main frame portion and extends rearward. A seat is arranged above the seat frame. A rear wheel is arranged below the seat frame portion. A rear arm supports the rear wheel in a vertically moveable fashion. A rear fender connects to the rear arm. The rear fender is situated at least partly between the seat frame portion and the rear wheel in the vertical direction. A sari guard is arranged at least partly to the side of the rear wheel. The rear end of the rear fender is situated rearward from the upper end of the rear wheel. The lower portion of the sari guard connects to the rear arm. The upper portion of the sari guard connects to the rear fender.



0) EP2889208B1 – MOTORRAD MOTORCYCLE MOTOCYCLETTE

2) Family number: 59626381 (EP2889208B1) © PatBase

Title: MOTORRAD MOTORCYCLE

Priority: EP20140198883 20141218 JP20130267463 20131225

Family:

Publication number	Publication date	Application number	Application date
DE602014002129 D1	20160707	DE201460002129T	20141218
EP2889208 A1	20150701	EP20140198883	20141218
EP2889208 B1	20160525	EP20140198883	20141218
IN01266KO2014 A	20160826	IN2014KO01266	20141204
JP2015123764 A2	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 RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE 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 (IPC 8–9): B62J13/02 B62J13/04 B62J15/00 B62J15/02 B62K25/20 B62K5/027 (Advanced/Invention)

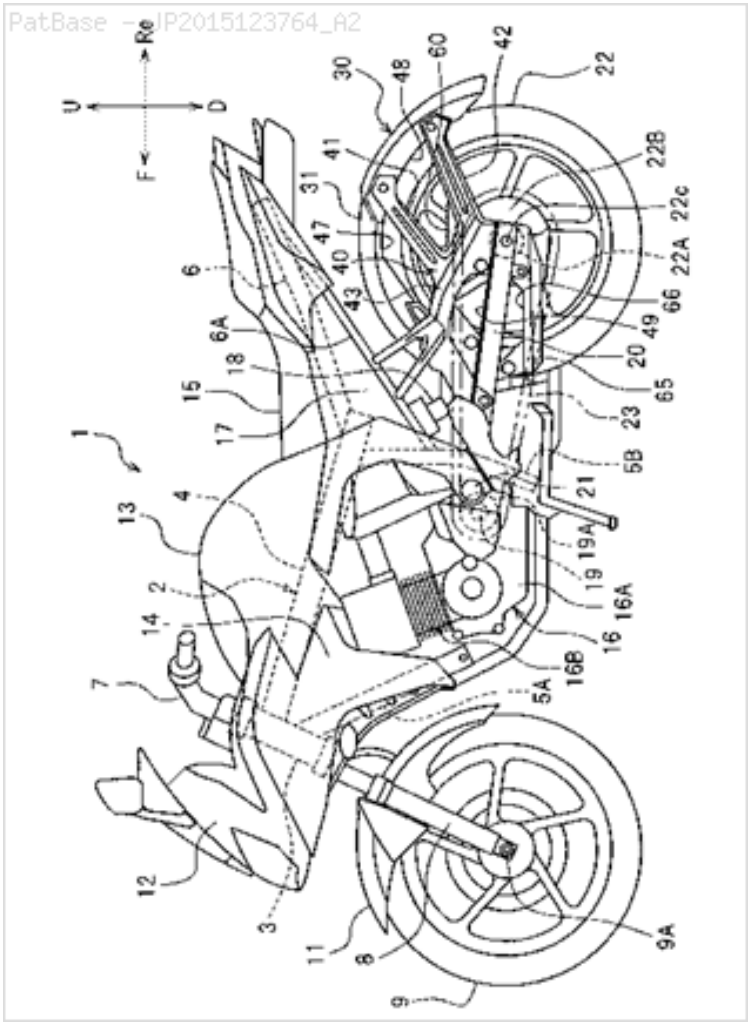
CPC: B62J15/00 B62J15/02 B62J13/02

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) US2007045023A – MOTORCYCLE REAR FENDER STRUCTURE

3) Family number: 34246104 (US2007045023A) © PatBase

Title: MOTORCYCLE REAR FENDER STRUCTURE

Priority: JP20050244510 20050825

Family:

Publication number	Publication date	Application number	Application date
JP2007055487 A2	20070308	JP20050244510	20050825
JP4628901 B2	20110209	JP20050244510	20050825
US2007045023 AA	20070301	US20060510191	20060825
US7331593 BB	20080219	US20060510191	20060825

Probable Assignee: KAWASAKI JUKOGYO KK

Assignee(s):(std)**:** BEPPU HIDEO ; FUJII KATSUJI ; FUJIMOTO YUKINORI ; KAWASAKI HEAVY IND LTD ; OKABE YASUHISA

Assignee(s): KAWASAKI JUKOGYO KK ; KAWASAKI JUKOGYO KABUSHIKI KAISHA

Inventor(s):(std)**:** BEPPU HIDEO ; FUJII KATSUJI ; FUJIMOTO YUKINORI ; OKABE YASUHISA

Agent(s): JOSEPH W PRICE SNELL AND WILMER LLP

International class(IPC 8–9)**:** B62D25/16 B62D61/00 B62J15/00 (Advanced/Invention); B62D25/16 B62D61/00 B62J15/00 (Core/Invention)

CPC: B62J1/12 B62J15/00 B62K19/46

European class: B62J1/12 B62J15/00 B62K19/46

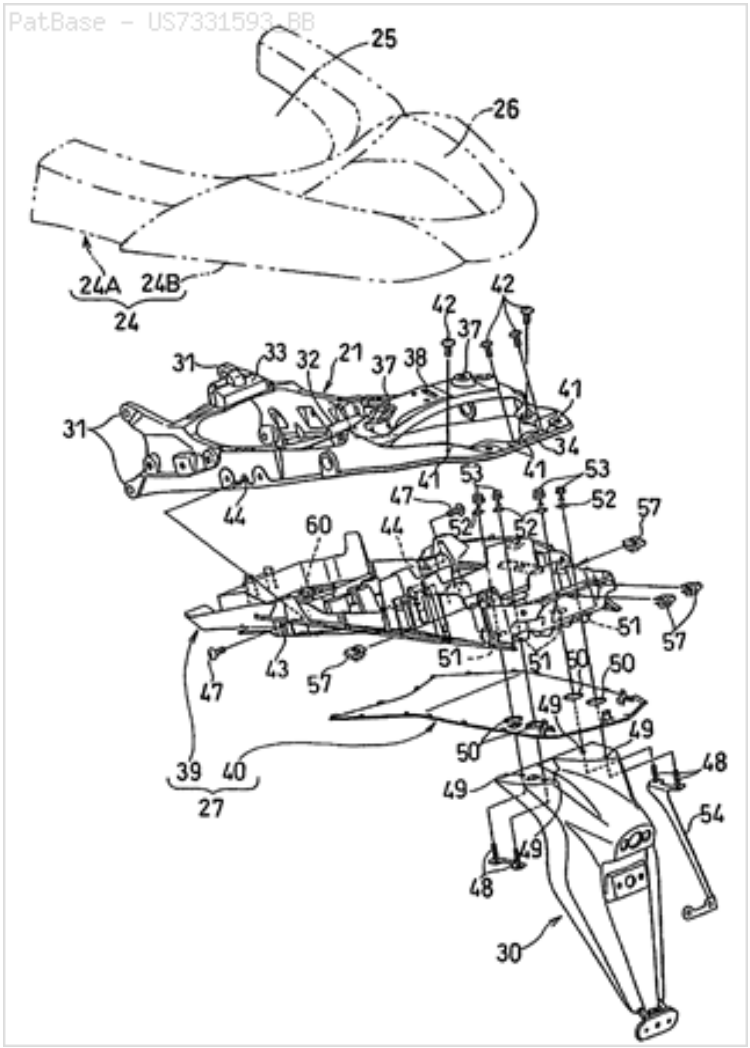
US class: 180/218 180/219 280/152.3

Classification Explorer

Cited documents: US7175222 BB, US7036837 BA, US6695330 BB, US6520275 BB, US6318743 BA, US6257362 BA, US3927727 A, JPS6316988 U, JPS6124287 U, JPS60174382, JP63016988 U1, JP63016988 u1, JP6270868 A2, JP61024287 U1, JP61024287 u1, JP60174382 A2, JP4133885 A2, JP2004224176 A2, JP2003072629 A2,

Forward Citations: US9481402, US9233727, US8448734, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US2015259019, US2010078241, US2009001762, US2008023990, US2008023989, TWI387541, JP2010084525, EP2933174,

Abstract:
Source: US2007045023A To provide a rear wheel fender structure for motorcycles, which can be molded with a simplified and inexpensive mold assembly even where the rear wheel finder is so designed and so structured as to permit component parts to be fitted thereto and as to block the splashing of water and/or mud, the rear wheel fender structure 27 is positioned above the motorcycle rear wheel 14 and includes an upper fender 39 and a lower fender 40 secured to a bottom region of the upper fender 39. An adiabatic space 99 is preferably formed between the upper fender 39 and the lower fender 40.



0) US2003132048A – MOTORCYCLE AND REAR BODY STRUCTURE THEREFOR

4) Family number: 28815291 (US2003132048A) © PatBase

Title: MOTORCYCLE AND REAR BODY STRUCTURE THEREFOR

Priority: JP20020004238 20020111

Family:

Publication number	Publication date	Application number	Application date
CN1296247 C	20070124	CN20021048756	20021115
CN1442340 A	20030917	CN20021048756	20021115
DE10300685 A1	20030724	DE20031000685	20030110
DE10300685 B4	20070503	DE20031000685	20030110
JP2003205875 A2	20030722	JP20020004238	20020111
JP4144222 B2	20080903	JP20020004238	20020111
US2003132048 AA	20030717	US20020271055	20021014
US6695330 BB	20040224	US20020271055	20021014

Probable Assignee: SUZUKI MOTOR CORP

Assignee(s):(std)**:** SUZUKI CO LTD ; SUZUKI K K ; SUZUKI MOTOR CO ; SUZUKI MOTOR CORP

Assignee(s): SUZUKI MOTOR CORP HAMAMATSU ; SUZUKI KK

Inventor(s):(std)**:** HATA YASUO ; YASUO SHIN ; SHIN YASUO

International class (IPC 8–9)**:** B62J15/00 B62J15/02 B62J15/04 B62J17/00 B62J6/00 B62J6/04 B62J7/04 B62J9/00 B62K11/00 B62K11/02 B62M7/00 (Advanced/Invention); B62J15/00 B62J17/00 B62J6/00 B62J7/00 B62J9/00 B62K11/00 B62M7/00 (Core/Invention)

International class (IPC 1–7)**:** B62D25/16 B62D61/02 B62J15/00 B62J6/00 B62J9/00 B62K11/00 B62K11/02 B62K15/00 B62M7/00

CPC: B62J17/00 B62K11/00

European class: B62J17/00 B62K11/00

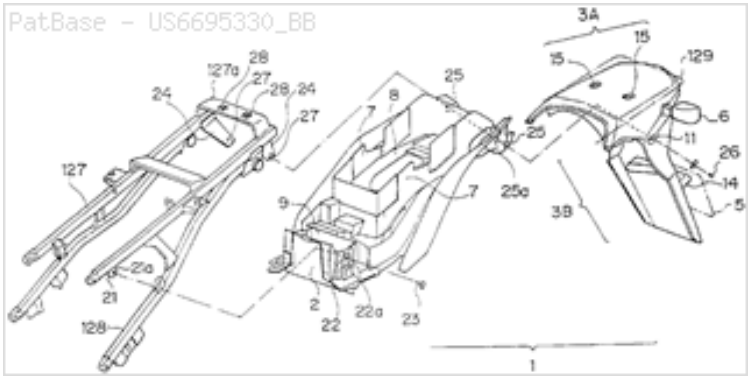
US class: 180/219 280/152.3

Classification Explorer

Cited documents: US6378643 BA, US6257362 BA, US6073948 A, US5618060 A, US4958451 A, US4790087 A, US4485884 A, US4422659 A, US3927727 A, JP7069260 A2, JP62021509 Y2, JP62021509 A2, DE29704618 U1,

Forward Citations: USD663661, USD636914, USD600374, USD600373, USD581846, USD567715, USD557188, USD555542, USD531093, USD516976, USD512669, USD500972, US9434436, US9233727, US9174690, US8833984, US8499878, US8469132, US8459393, US8366169, US8317212, US8177250, US7845451, US7823677, US7766355, US7748746, US7669682, US7658395, US7635140, US7490693, US7331593, US7318502, US7234559, US6889990, US6776250, US2015259019, US2013343073, US2012320612, US2012285762, US2011241422, US2010194149, US2010194131, US2010001551, US2009242313, US2009108557, US2009079156, US2008185209, US2008169148, US2008156570, US2008054585, US2007045023, US2006185942, US2006076176, US2002096377, JP5806483, JP2012187947, JP2010179703, JP2008055991, EP3088284, EP2213565, EP1555197, CN104192234, CN103847867, CN103269925, CN103269925, CN103010345, CN102556229, CN102464072, CN102464072, CN102381398, CN102381398, CN102381393, CN102351021, CN102139725, CN102139725, CN102030063,

Abstract:
Source: US2003132048A A rear fender 1 is disposed in the periphery of a rear wheel. A rear fender front half 2 is connected to a rear fender rear half 3 in which a seat tail cowl portion 3A and a fender tail portion 3B are formed as an integral body. A tail light serving also as a brake light, a license plate illuminating light for illuminating a license plate mounting portion and a license plate 5, and a pair of direction indicating lights 6 are mounted on a rear wheel rear fender constituted by the rear fender rear half 3, thereby forming the rear wheel rear fender as a unit. The tail light is mounted on the rear wheel rear fender through a tail light bracket. The stay portions of the tail light bracket and seat tail cowl portion 3A are fastened and fixed to each other by bolts which are disposed in the base portions of the direction indicating lights 6.



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

5) Family number: 56778292 (US2014265431A) © PatBase

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
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)**:** MAGEE GARTH L ; GARTH L MAGEE

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

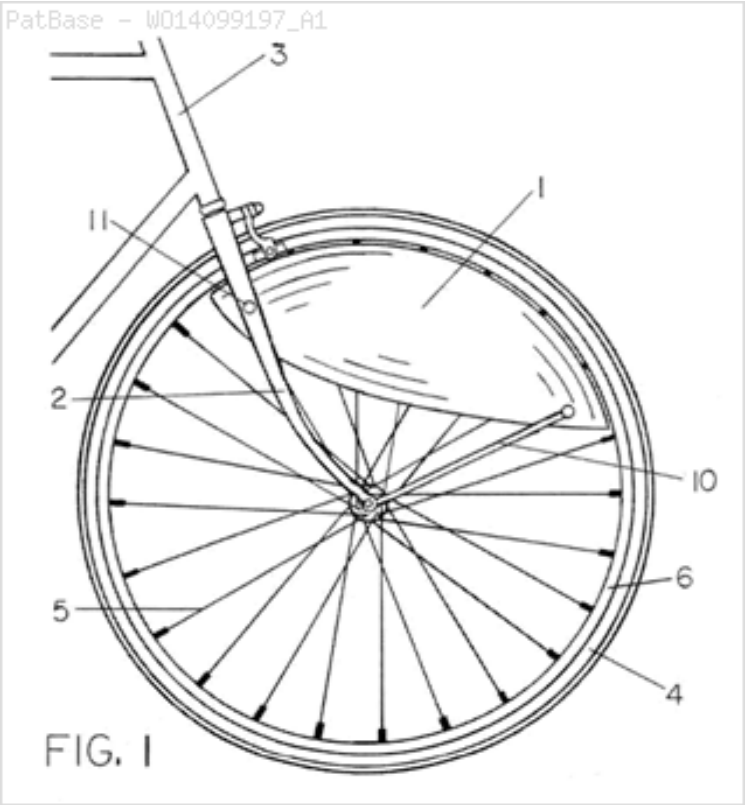
Classification Explorer

Cited documents:

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,

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 diposed 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.



0) US2008054585A – FENDER STRUCTURE FOR MOTORCYCLE

6) Family number: 41575911 (US2008054585A) © PatBase

Title: FENDER STRUCTURE FOR MOTORCYCLE

Priority: JP20060233231 20060830

Family:

Publication number	Publication date	Application number	Application date
AT504187 A2	20080315	AT20070001217	20070802
AT504187 A3	20080615	AT20070001217	20070802
AT504187 B1	20081115	AT20070001217	20070802
ITTO20070431 A1	20080229	IT2007TO00431	20070618
JP2008055991 A2	20080313	JP20060233231	20060830
JP4753814 B2	20110824	JP20060233231	20060830
US2008054585 AA	20080306	US20070892763	20070827
US7635140 BB	20091222	US20070892763	20070827

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** HIROAKI OSHIGAMO ; KONNO KENJI ; OSHIGAMO HIROAKI ; OSHIKAMO HIROAKI

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

International class (IPC 8–9): B62D25/16 B62J15/00 B62J23/00 B62K11/00 (Advanced/Invention); B62D61/02 (Advanced/Non–invention); B62D25/16 B62J15/00 B62K11/00 (Core/Invention); B62D61/00 (Core/Non–invention)

CPC: B62J15/00

European class: B62J15/00

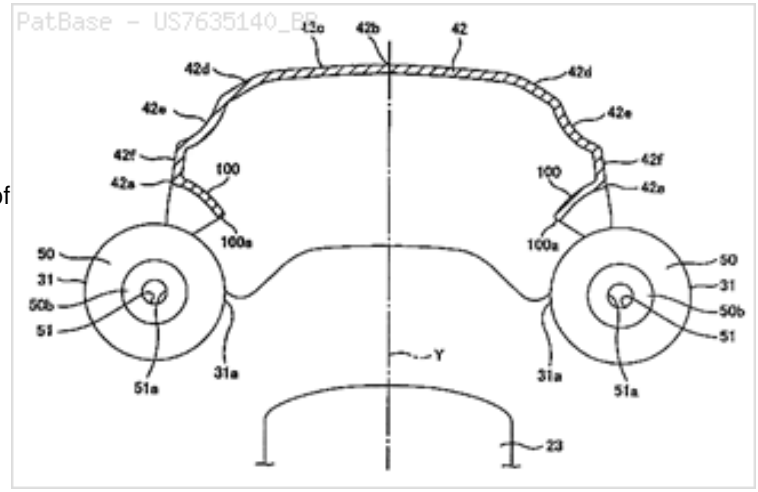
US class: 180/219 280/152.1

Classification Explorer

Cited documents: USD500972 S1, USD437262 S1, US2003132048 AA, US2003079938 AA, JP8026163 A2, JP6191457 A2, JP5124556 A2, JP2005313671 A2, JP2003205875 A2, JP1169490 U1,

Forward Citations: US8864157, US8292021, US8191912, US8016307, US7766355, US2014062058, US2012013096, US2010000818, US2009079156, US2009058066, CN102030063,

Abstract:
Source: US2008054585A To provide a fender structure for a motorcycle for preventing muddy water or the like running off a rear fender from being splashed on a muffler. A fender structure for a motorcycle is provided with an engine and wheels suspended therefrom. A fender covers the upper portion of the wheel and extends downwardly on the right and left sides. A muffler is positioned below at least one of the right and left edge portions of the fender. The fender structure includes a folded–back portion extending towards the inner side of the muffler from the corresponding edge portion of the fender.



0) US2014062058A – REAR PORTION STRUCTURE FOR A SADDLE TYPE VEHICL...

7) Family number: 55891354 (US2014062058A) © PatBase

Title: REAR PORTION STRUCTURE FOR A SADDLE TYPE VEHICLE

Priority: EP20130177803 20130724 JP20120192328 20120831

Family:

Publication number	Publication date	Application number	Application date
AU2013206646 AA	20140320	AU20130206646	20130702
AU2013206646 BB	20160225	AU20130206646	20130702
BR102013021917 A2	20141021	BR20131021917	20130828
CN203638000 U	20140611	CN201320465488U	20130801
DE602013000381 D1	20141204	DE201360000381T	20130724
EP2703265 A1	20140305	EP20130177803	20130724
EP2703265 B1	20141022	EP20130177803	20130724
JP2014046858 A2	20140317	JP20120192328	20120831
JP5961492 B2	20160802	JP20120192328	20120831
KR101496563 B1	20150226	KR20130100255	20130823
KR20140030044 A	20140311	KR20130100255	20130823
TH133786 A	20140515	TH20131004111	20130725
US2014062058 AA	20140306	US20130967805	20130815
US8864157 BB	20141021	US20130967805	20130815

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** NISHIDA YOICHI ; TSUTSUI NORIYOSHI

Inventor(s): TSUTSUI NORIYOSHI SAITAMA ; YOICHI NISHIDA ; NISHIDA YOICHI SAITAMA ; NORIYOSHI TSUTSUI

Agent(s): SPRUSON AND FERGUSON; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; BEDER JENS; 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)**:** B62J1/00 B62J11/00 B62J15/00 B62J6/18 B62J9/00 B62K11/02 B62K11/04 B62K19/02 B62K19/30 B62K19/46 B62M6/90 (Advanced/Invention); B62J6/18 (Core/Invention)

CPC: B62K11/02 B62J6/18 B62J15/00 B62K11/04 B62K19/46

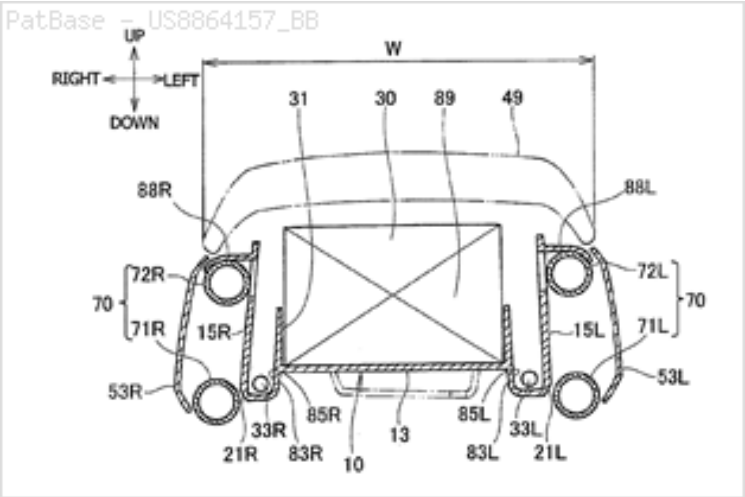
US class: 180/219 224/413 224/429 280/152.1 280/154 280/281.1

Classification Explorer

Cited documents: US8550200 BB, US8534407 BB, US8469132 BB, US8459393 BB, US8448737 BB, US8387736 BB, US8342282 BB, US8016308 BB, US7971672 BB, US7934744 BB, US7905506 BB, US7857341 BB, US7648169 BB, US7635140 BB, US7537271 BB, US7523981 BB, US7448664 BB, US7252170 BB, US7111903 BA, US7036837 BA, US7004276 BB, US6860359 BB, US6585072 BB, US6318743 BA, US6273207 BA, US6257362 BA, US5433286 A, US5377776 A, US4958451 A, US4577719 A, US4469190 A, US4460057 A, US4311261 A, US3913974 A, US2014131127 AA, US2014035332 AA, US2012145470 AA, US2012126589 AA, US2009242304 AA, US2009050386 AA, US2008121455 AA, US2008110688 AA, US2007216132 AA, US2006061157 AA, US2004212169 AA, US2002125749 AA, JP5854984 U, JP58054984 U1, JP4216965 B2, JP2011068279 A2, JP2006111087 A2, JP2003220988 A2, JP2003220988, JP2002225765 A2, JP200171961, JP2001071961 A2, JP10081279 A2, EP2302716 A1, EP0602590 A1,

Forward Citations: US9434436, JP2017030465, JP2016155476, EP3061679, EP2915729,

Abstract:
Source: US2014062058A A rear portion structure for a saddle vehicle includes a wide accommodation space for accommodating parts therein while improving the foot grounding property of a rider. A rear fender of a motorcycle has a bottom wall disposed on the inner side of a rear frame in the vehicle widthwise direction, and left and right side walls extending upwardly from the bottom wall. An accommodation space for accommodating a part therein is formed from the bottom wall and the left and right side walls. Left and right first bending portions which individually extend in a longitudinal direction of the vehicle and at which the left and right side walls can individually be bent with respect to the bottom wall are formed between the bottom wall and the left and right side walls. The left and right side walls are inclined inwardly and upwardly along the inner side of the rear frame.



0) US2005087949A – MUD RESISTANT MOTORCYCLE FENDER AND LINER ASSEM...

8) Family number: 31867403 (US2005087949A) © PatBase

Title: MUD RESISTANT MOTORCYCLE FENDER AND LINER ASSEMBLY AND METHOD OF USING LINER AS A PROTECTIVE SURFACE

Priority: US20030691525 20031024 US20060384428 20060321 US20070725510 20070320

Family:

Publication number	Publication date	Application number	Application date
US2005087949 AA	20050428	US20030691525	20031024
US2006175790 AA	20060810	US20060384428	20060321
US2007187940 AA	20070816	US20070725510	20070320

Probable Assignee: PRESBY ANTHONY J

Assignee(s):(std)**:** PRESBY ANTHONY J

Inventor(s):(std)**:** PRESBY ANTHONY J

Inventor(s): PRESBY ANTHONY

Agent(s): LITMAN LAW OFFICES LTD; RICHARD C LITMAN

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

International class (IPC 1–7)**:** B62D25/16 B62D25/18

CPC: B62D25/18 B62J15/00

European class: B62D25/18 B62J15/00

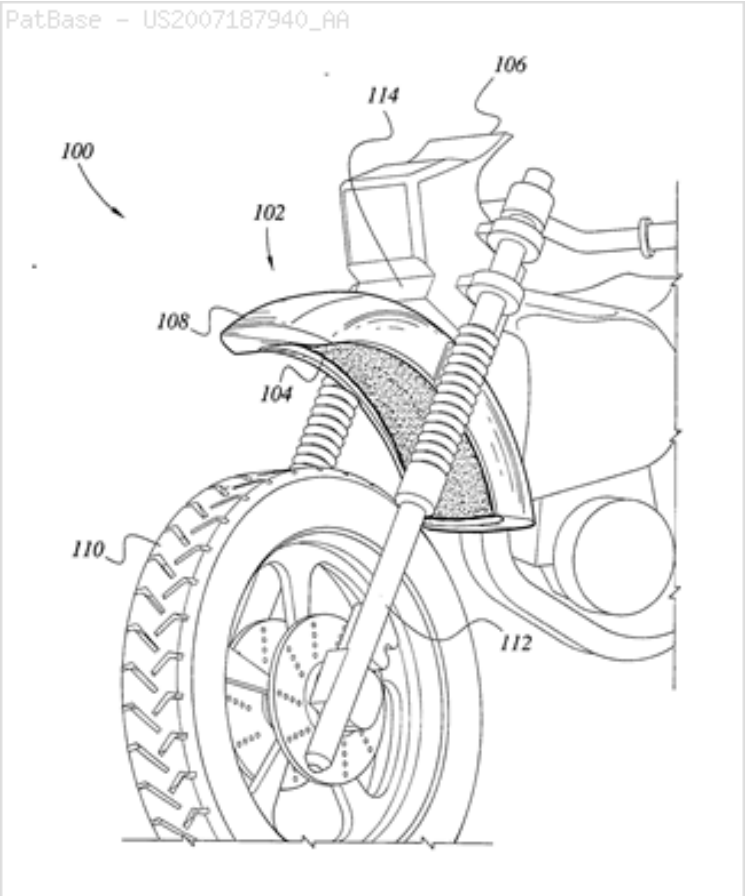
US class: 280/152.1 280/152.3 280/848 280/848P

Classification Explorer

Cited documents: US7497509 BB, US7448468 BB, US6799782 BB, US6677030 BB, US6641194 BB, US6499797 BA, US6221484 BA, US6152259 A, US5904361 A, US5851617 A, US5839761 A, US5700022 A, US5681072 A, US5613710 A, US5582430 A, US5573686 A, US5514441 A, US5462331 A, US5108129 A, US4735427 A, US4722541 A, US4690419 A, US4682852 A, US4598000 A, US4584225 A, US4313987 A, US4013302 A, US3934900 A, US3899192 A, US3725105 A, US3195921 A, US2995384 A, US2003121708 AA, US1390634 A,

Forward Citations: USD763754, US9296420, US8167335, US8016307, US7849948, US7832751, US2010078927, US2009058066, US2009001753, US2009001705, ITPS20100029, EP2921388,

Abstract:
Source: US2005087949A The mud resistant motorcycle fender and liner assembly incorporates a liner formed of a synthetic air permeable material adhesively mounted to the underside of an exposed motorcycle fender or to a structure having surfaces susceptible to mud buildup. The liner is a relatively thin, flexible sheet of air permeable, synthetic material formed to substantially cover the concave portion of an exposed fender. The liner has a bead of adhesive material disposed around the edge thereof, further securing the liner to the surface of the fender and protecting the edge from fraying and the lining from delaminating. A liner backing, sandwiched between the protective liner and the surface to be protected functions to prevent the protective liner from delaminating.



0) US2009108557A – MOTORCYCLE

9) Family number: 43199252 (US2009108557A) © PatBase

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); B62D25/16 B62J15/00 B62J6/00 B62J99/00 (Core/Invention); B62J15/00 (Core/Non–invention)

International class (IPC 1–7)**:** B60K11/00

CPC: B62J15/04 B62J15/00

European class: B62J15/00 B62J15/04

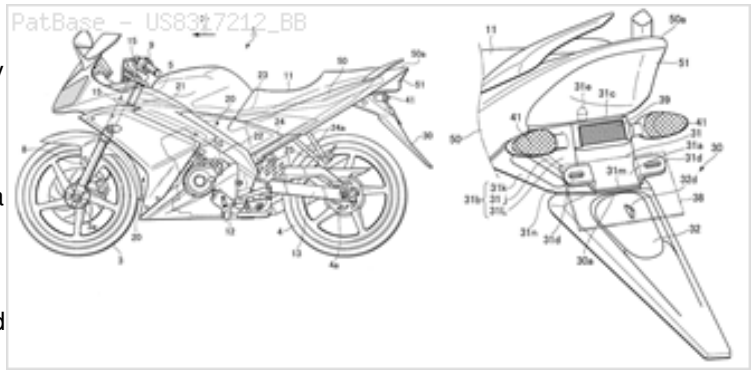
US class: 180/219 280/152.1 280/152.100P 280/152.2 280/152.3 280/154 280/847 280/848 280/854

Classification Explorer

Cited documents: US7766355 BB, US7114836 BB, US7114836, US700151 A, US6695330 BB, US6585072, US6257362, US5489108 A, US5322311 A, US4958451 A, US4485884 A, US4422659 A, US3934900 A, US2358206 A, US2009008893 AA, US2007046016 AA, US2003116937 AA, US1112478 A, TWM288273, TWI242515, TW593044, JP2006069300 A2,

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.



0) US2003121708A – FENDER ASSEMBLY AND SYSTEM FOR RACING MOTORCYCL...

10) Family number: 30045702 (US2003121708A) © PatBase

Title: Fender assembly and system for racing motorcycle vehicles

Priority: US20020039409 20020103

Family:

Publication number	Publication date	Application number	Application date
US2003121708 AA	20030703	US20020039409	20020103
US6651769 BB	20031125	US20020039409	20020103

Probable Assignee: SV PLASTICS LLC

Assignee(s):(std): LAIVINS GLEN ARTHUR ; LAIVINS KENNETH THOMAS ; NEXT WORLD DESIGN INC

Assignee(s): SV PLASTICS LLC

Inventor(s):(std): LAIVINS GLEN ARTHUR ; LAIVINS KENNETH THOMAS

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

International class (IPC 1–7): B62D61/02 B62K11/00 B62M7/00

CPC: B62J15/00

European class: B62J15/00

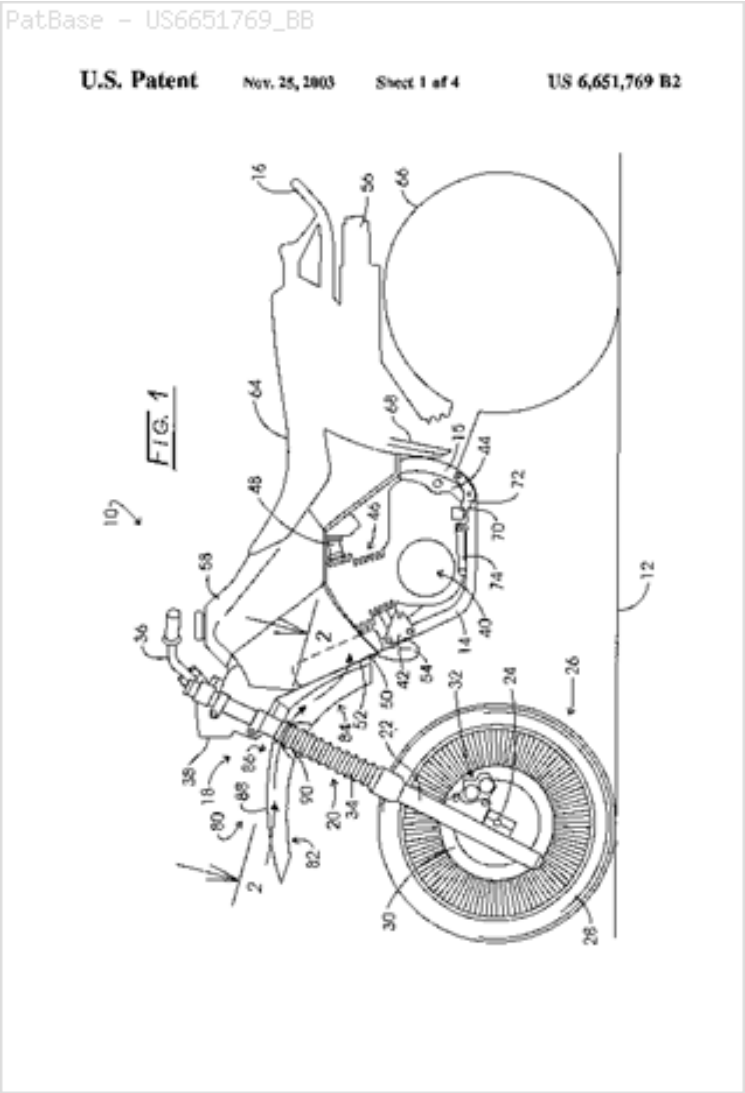
US class: 180/229 180/68.1 180/681 280/152.1

Classification Explorer

Cited documents: US6422332 BA, US5490573 A, US4982973 A, US4964484 A, US4913256 A, US4911494 A, US4887688 A, US4830135 A, US4822067 A, US4818012 A, US4799568 A, US4781258 A, US4564081 A, US4557345 A, US4519473 A, US4066291 A, US2003000755 AA, JP8253186 A2, JP6298146 A2, JP5338571 A2,

Forward Citations: US9592872, US8875832, US8607916, US8347993, US8302723, US8256556, US8087485, US8016307, US7975795, US7849948, US7832751, US7686116, US7637342, US7559580, US7490890, US7387180, US7325639, US7243750, US6971462, US2015083512, US2015014080, US2011198888, US2010207374, US2010181133, US2010181132, US2010181131, US2010018793, US2009242297, US2009095553, US2009058066, US2009001753, US2009001705, US2008156566, US2008156559, US2008156291, US2008121455, US2007216188, US2007187940, US2007119643, US2007023225, US2006175790, US2006000652, US2005224266, US2005109552, US2005087949, US2004069550, JP2015016758, EP2230120, EP1612131, CN102001386, AU2014202943,

Abstract:
Source: US2003121708A A fender assembly and associated air transfer and dirt protection system for an off−the−road sports racing motorcycle. The fender assembly incorporates an upper portion and a lower portion which are mated to define an air transfer duct which extends from a forward region of the upper portion upper surface to an air exit opening at that same upper surface which is located adjacent the air receiving surface of an engine radiator. The fender assembly is configured for co−pivotal movement with the steering fork assembly of the motorcycle such that the duct will supply coolant air into the radiator notwithstanding the pivotal or steering movement of the forward wheel of the vehicle. A venturi restrictive region is formed within the air transfer duct to enhance the velocity of air exiting into the radiator. To control the buildup of mud at the underside of the fender, the upper portion of the fender is configured of a polymeric material, which incorporates an upwardly disposed pigmented layer. However, the lower portion of the fender assembly is formed of polymeric material, the underside being a layer of unpigmented porcelain which avoids the adherence of mud particles and dirt to such underside and thus, avoids the weight−contributing mud buildup. With the system of the invention, a fairing assembly is configured with a forward air scoop opening which cooperates with the air exit opening of the fender−borne air transfer duct to direct otherwise lost velocity enhanced coolant air across the cylinder head region of the motorcycle engine.



0) EP1555197A2 – REAR FENDER FOR A MOTORCYCLE HINTERES SCHUTZBLE...

11) Family number: 32150071 (EP1555197A2) © PatBase

Title: Rear fender for a motorcycle

Priority: CN200310117016 20031127

Family:

Publication number	Publication date	Application number	Application date
AT455029 E	20100115	AT20040257365T	20041126
CN100537336 C	20090909	CN200310117016	20031127
CN1621297 A	20050601	CN200310117016	20031127
DE602004025080 D1	20100304	DE200460025080T	20041126
EP1555197 A2	20050720	EP20040257365	20041126
EP1555197 A3	20090107	EP20040257365	20041126
EP1555197 B1	20100113	EP20040257365	20041126
ES2337900 T3	20100430	ES20040257365T	20041126

Probable Assignee: YAMAHA HATSUDOKI KABUSHIKI KAISHA

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

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

Inventor(s):(std)**:** HSU HAN CHYUAN ; PENG CHIN CHING ; YANG SHENG HSIEN ; ZHIQING PENG ; SHENGXIAN YANG ; HANQUAN XU

Inventor(s): PENG ZHIQING ; YANG SHENGXIAN ; XU HANQUAN

Agent(s): NICHOLLS MICHAEL JOHN

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

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

International class (IPC 1–7)**:** B62J15/00 B62J15/04

CPC: B62J15/00

European class: B62J15/00

Classification Explorer

Cited documents: US2003132048 AA, FR2748713 A1, FR2673415 A1,

Forward Citations: EP2703267,

Abstract:
Source: EP1555197A2 The purpose of this invention is to provide a rear fender (1) for a motorcycle, which can effectively solve the problem that the rear vehicle body and the back of the back seat rider and the like gets wet or dirty by the splashed water or mud brought forth by the forward rotating rear wheel at high speed when the motorcycle is traveling over puddles. The rear fender (1) for a motorcycle of this invention comprises a rear fender (1), a plurality of waterproof ribbed plates (2,3) disposed on the inner face of said rear fender (1) and substantially parallel to each other and extending from one end edge of said rear fender (1) to another end edge, characterized in that at least said waterproof ribbed plates (2,3) disposed on the lower half of said inner face of said rear fender are disposed on said inner face of said rear fender at an angle ranging from 70 degrees to 110 degrees from the substantially horizontal ground when viewed from the side of the vehicle body.

PatBase - ES2337900_T3

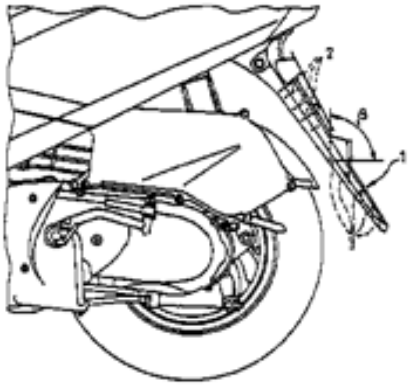


Fig. 1

0) US2006077677A – TAIL LAMP STRUCTURE FOR VEHICLES

12) Family number: 32815283 (US2006077677A) © PatBase

Title: TAIL LAMP STRUCTURE FOR VEHICLES

Priority: CA20052522371 20051005 JP20040297933 20041012

Family:

Publication number	Publication date	Application number	Application date
CA2522371 AA	20060412	CA20052522371	20051005
CA2522371 C	20110329	CA20052522371	20051005
CN100377958 C	20080402	CN200510108160	20051009
CN1760077 A	20060419	CN200510108160	20051009
DE102005048387 A1	20060420	DE200510048387	20051010
DE102005048387 B4	20150910	DE200510048387	20051010
IN01457CH2005 A	20070921	IN2005CH01457	20051010
IN251478 B	20120323	IN2005CH01457	20051010
ITTO20050719 A1	20060413	IT2005TO00719	20051010
JP2006114249 A2	20060427	JP20040297933	20041012
JP4437952 B2	20100324	JP20040297933	20041012
KR100677693 B1	20070202	KR20050094439	20051007
KR20060052120 A	20060519	KR20050094439	20051007
US2006077677 AA	20060413	US20050247264	20051012
US7341364 BB	20080311	US20050247264	20051012

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): NAKAMURA KENTA ; YAMAGUCHI SEIJI ; NAKAYAMA MASARU ; TAKANASHI YOSHIHIRO ; HONDA MOTOR CO

Inventor(s):(std)**:** KENTA NAKAMURA ; MASARU NAKAYAMA ; MASARU YAMAGUCHI SEIJI TAKANAS ; NAKAMURA KENTA ; NAKAYAMA MASARU ; SEIJI YAMAGUCHI ; TAKANASHI YOSHIHIRO ; YAMAGUCHI SEIJI ; YAMAGUCHI YASUJI ; YOSHIHIRO TAKANASHI

Inventor(s): YAMAGUCHI SEIJI TAKANASHI YOSHIHIRO NAKAMURA ; YAMAGUCHI SEIJI TAKANASHI YOSHIHIRO NAKAMURA KENTA

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

International class (IPC 8–9): B60Q1/30 B60Q1/44 B62J15/04 B62J6/00 B62J6/04 F21S8/10 (Advanced/Invention); B60Q1/30 B62J6/00 B62J6/04 F21W101/027 F21W101/14 F21Y101/02 (Advanced/Non–invention); B60Q1/30 B62J6/00 F21S8/10 (Core/Invention)

International class (IPC 1–7): B60Q1/00

CPC: B60Q1/0094 B62J6/04 F21S48/10 F21W2111/02

European class: B60Q1/00T1 B62J6/04 F21S48/10 R21W111/02

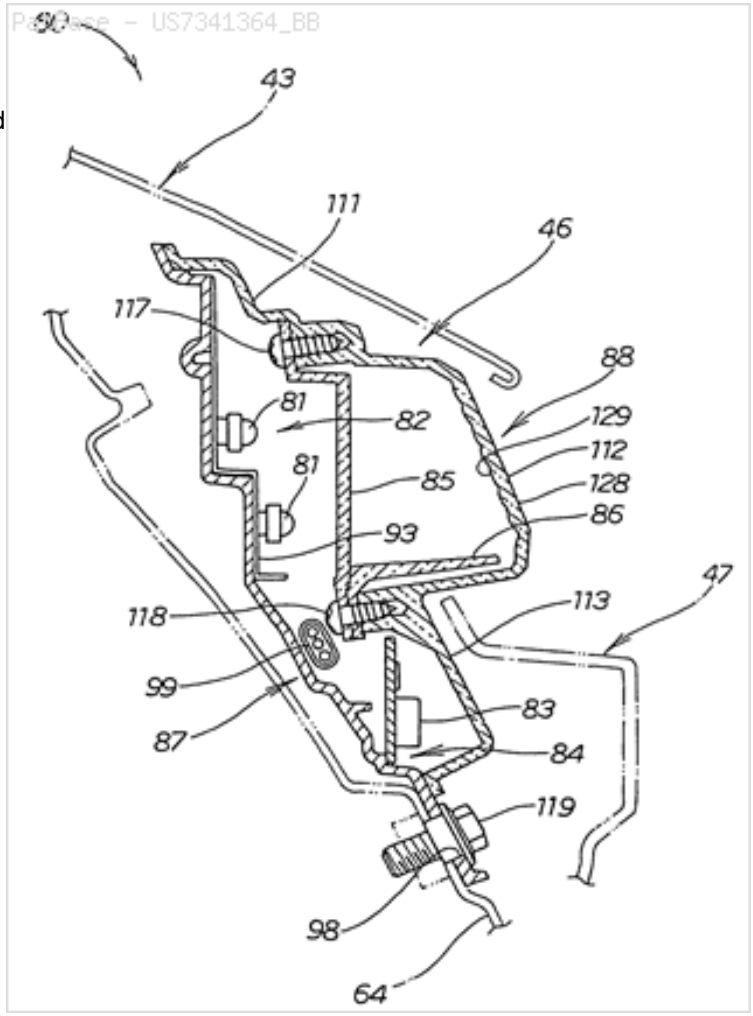
US class: 362/473 362/473P 362/497 362/497S 362/506 362/541 362/541S 362/545 362/545S

Classification Explorer

Cited documents: US7108407 BB, US4949228 A, US2004130901 AA, JP2164630 A2, JP200287350, JP2002337775 A2, JP2002245812, JP08337140, JP0677107 U, JP0206246, FR2687116 A1, EP1422132 A2, EP1332957 A2, EP1285847 A1,

Forward Citations: WO12132831, US9481422, US9366407, US9285531, US9222635, US8439535, US8256939, US2016214671, US2013235603, US2011310629, US2011176325, US2011134623, US2008158895, TWI363717, KR100856003, JP6025764, JP5631279, JP5543665, JP2015044563, JP2013039840, JP2012132831, EP2693104, EP2693104, CN105102882, CN104590391, CN104340304, CN104192234, CN103502725,

Abstract:
Source: US2006077677A In a vehicle that includes a rear fender for covering the upper portion of a rear wheel, a mud guard cover for covering the rear portion of the rear wheel, and a tail lamp arranged around the rear fender and the mud guard cover wherein the tail lamp includes light−emitting diodes as light sources, and includes a light−emitting diode board for placing the light−emitting diodes thereon, a control element board for placing a control element for controlling the light−emitting diodes thereon, a housing for collectively accommodating the light−emitting diode board and the control element board, and a lens for covering the housing and the control element board that is arranged downwardly of the light−emitting diode board.



0) EP0754615A2 – FRONT FENDER MOUNTING STRUCTURE FOR MOTORCYCLE ...

13) Family number: 10224288 (EP0754615A2) © PatBase

Title: FRONT FENDER MOUNTING STRUCTURE FOR MOTORCYCLE OR TRICYCLE

Priority: JP19950185798 19950721

Family:

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

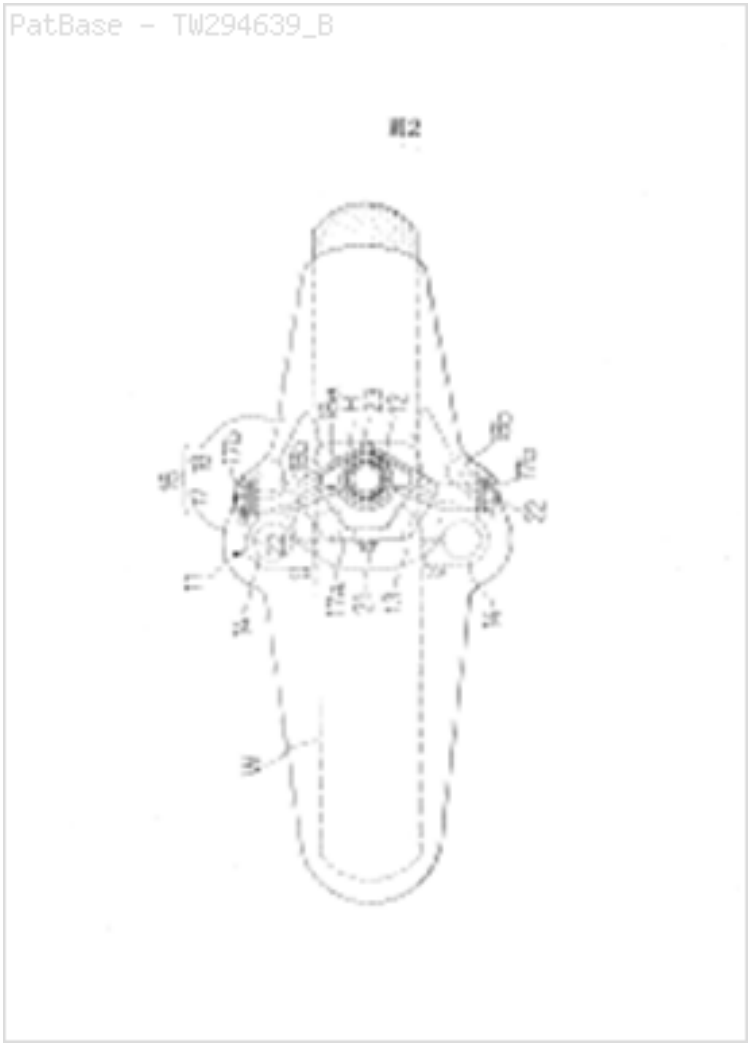
European class: B62J15/02

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).



0) US2012285762A – MOTORCYCLE

14) Family number: 51113433 (US2012285762A) © PatBase

Title: MOTORCYCLE

Priority: JP20100260041 20101122

Family:

Publication number	Publication date	Application number	Application date
CN102530148 A	20120704	CN201110386102	20111122
CN102530148 B	20141217	CN201110386102	20111122
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

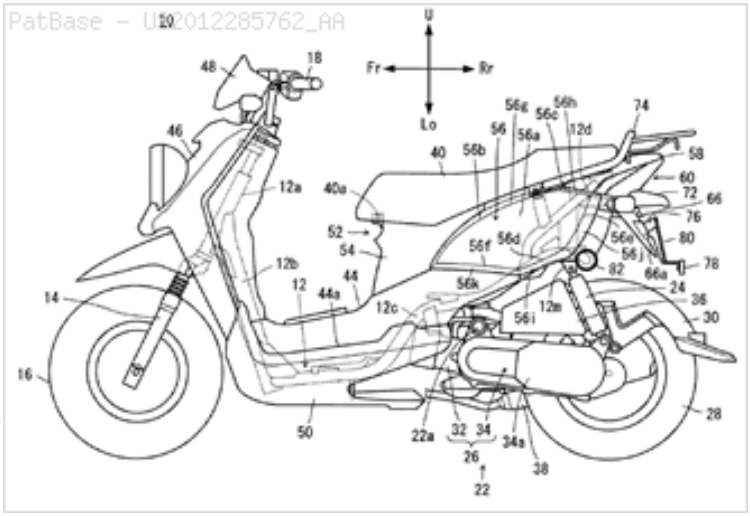
US class: 180/219

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.



0) US2016264199A – FRONT STRUCTURE OF MOTORCYCLE

15) Family number: 63551506 (US2016264199A) © PatBase

Title: FRONT STRUCTURE OF MOTORCYCLE

Priority: JP20150048752 20150311

Family:

Publication number	Publication date	Application number	Application date
JP2016168889 A2	20160923	JP20150048752	20150311
US2016264199 AA	20160915	US20160063643	20160308

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** AIDA KIOKO ; IWASAKI HIROYUKI ; KAITA KIHOKO ; NAGATA MASATO ; SATO YASUHIRO ; SONE TOMOHIRO ; TAKO KENJI ; WAKITA NOBUTAKA ; WAKITA NORITAKA

Agent(s): SUMIYOSHI KATSUHIKO

International class (IPC 8–9): B62J15/00 B62J17/00 B62J99/00 (Advanced/Invention)

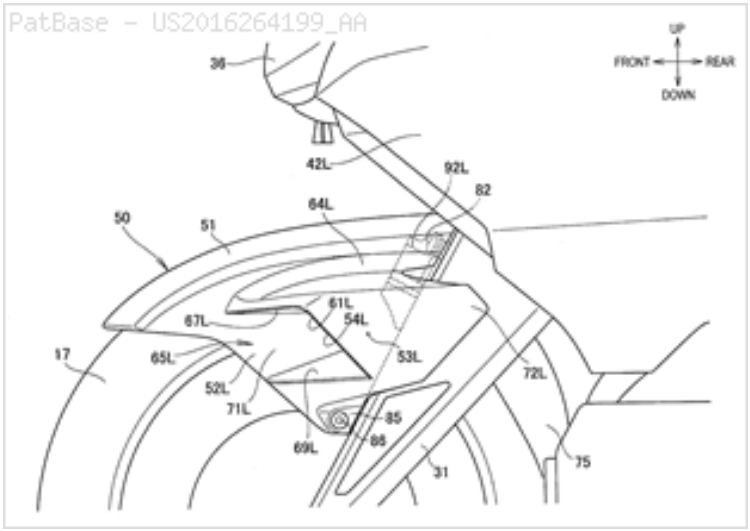
CPC: B62J15/02 B62J17/02 B62J15/00

US class: 280/281.1

Classification Explorer

Cited documents: JP62121177 U1, JP60174691 U1, JP53009660 U1, JP52150153 U1, JP2105083 U1,

Abstract:
Source: US2016264199A A front structure of a motorcycle where a larger amount of air can be directed to the inside without increasing the size of the vehicle. In a front structure of a motorcycle includes a front fork steerably mounted on a front portion of a vehicle body frame and supporting a front wheel thereon. A front fender is provided for avoiding mud from being splashed by the front wheel. A duct, through which a flow of air flows, is formed on a side surface of the front fender. An air intake opening, for taking in the flow of air, is formed on a front end of the duct with an air discharge opening directed inwardly in the vehicle width direction being formed on a rear end of the duct. The rear end of the duct opens to an inside of an inner surface of the front fork.



0) US2010243371A – MUFFLER DEVICE FOR MOTORCYCLE

16) Family number: 46987762 (US2010243371A) © PatBase

Title: MUFFLER DEVICE FOR MOTORCYCLE

Priority: JP20090088444 20090331

Family:

Publication number	Publication date	Application number	Application date
AU2010200285 AA	20101014	AU20100200285	20100125
AU2010200285 BB	20110908	AU20100200285	20100125
JP2010236528 A2	20101021	JP20090088444	20090331
JP5405877 B2	20140205	JP20090088444	20090331
US2010243371 AA	20100930	US20100716424	20100303
US8151932 BB	20120410	US20100716424	20100303

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; INOUE YUSUKE

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** INOUE YUSUKE ; YUSUKE INOUE

Agent(s): SPRUSON AND FERGUSON; SQUIRE SANDERS AND DEMPSEY LLP; SQUIRE SANDERS (US) LLP; SQUIRE SANDERS US LLP

International class (IPC 8–9): F01N1/08 F01N13/00 F01N13/08 F01N13/20 F01N99/00 (Advanced/Invention); F01N13/08 (Core/Invention)

CPC: F01N13/08 F01N13/082 F01N13/1838 F01N2590/04

European class: F01N13/08 F01N13/08B F01N13/18D R01N590/04

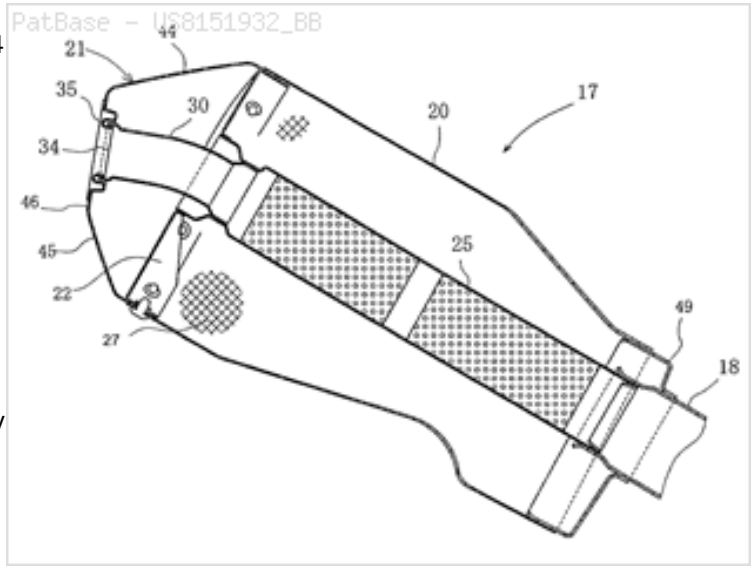
US class: 181/227 181/228 181/228S

Classification Explorer

Cited documents: US7464789 BB, US7374016 BB, US5726397 A, US5633482 A, US4354573 A, US4192402 A, US2979357 A, US2008053748 AA, US2006096805 AA, US2006048993 AA, US2004238273 AA, US2004089500 AA, US2002134614 AA, JP9002083 A2, JP6248942 A2, JP59010338 A2, JP2008111357 A2, JP2006069503 A2, JP2001159303 A2, JP2001012235 A2,

Forward Citations: US9599008, US9506393, US8800710, US8746400, US8695754, US8602157, US2015377113, US2015337713, US2013233635, US2013126266, US2013112498, US2012267190, JP5847051, JP2014070581, JP2013060920, CN102758675, CN102758675,

Abstract:
Source: US2010243371A An exhaust outlet 34 is formed at the center of a rear end wall 46 of a tail cap 21 closing a rear end opening of a muffler body 20, and a tail pipe 30 is connected at its rear end to the exhaust outlet 34. The exhaust outlet 34 is formed through a tail pipe supporting member 35 mounted on the rear end wall 46. The tail pipe supporting member 35 is formed with an annular mud guiding groove 37 opening rearward around the exhaust outlet 34. The mud accumulated on the rear end wall 46 is guided into the mud guiding groove 37 and moved in the mud guiding groove 37 owing to its capillarity. Accordingly, the mud can be moved down along the mud guiding groove 37 and smoothly dropped to the ground, thus preventing the clogging of the exhaust outlet 34 with the mud on the rear end wall 46.



0) JP2013216234A – FRONT FENDER STRUCTURE IN MOTORCYCLE

17) Family number: 55119720 (JP2013216234A) © PatBase

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

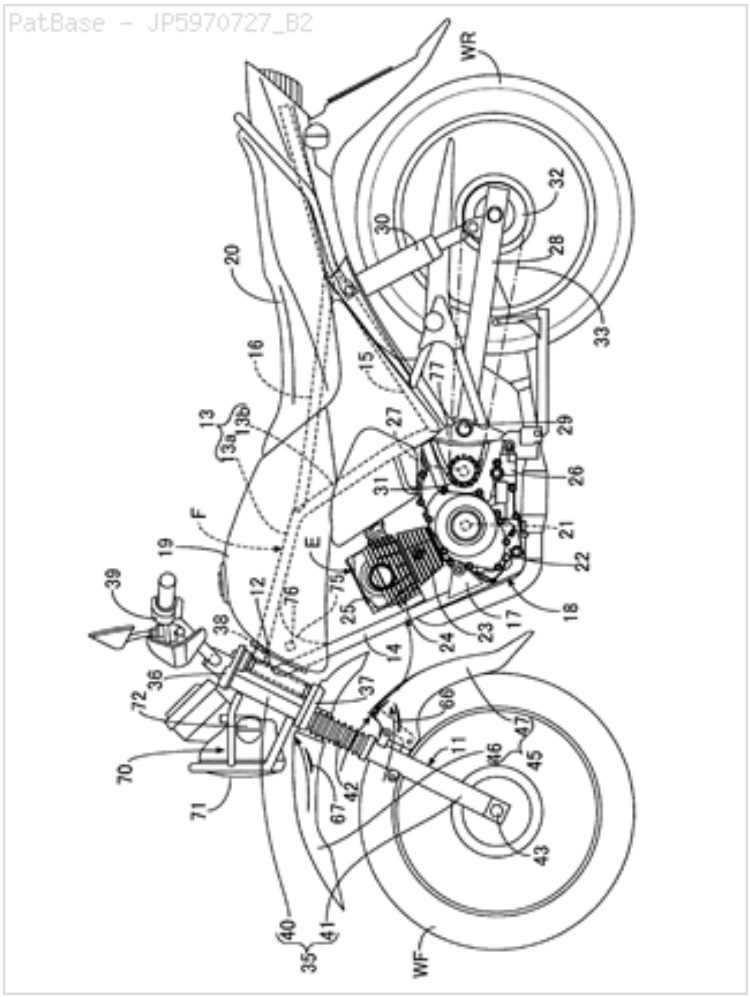
Inventor(s):(std)**:** TAKAHASHI ATSUHIKO ; TAKENAKA HIROSHI ; YOKOMURA HIKARU ; YOSHIDA NAOKI

International class (IPC 8–9): B60J11/02 B62J15/00 B62J99/00 (Advanced/Invention)

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.



0) US2007251744A – MOTORCYCLE

18) Family number: 40763099 (US2007251744A) © PatBase

Title: MOTORCYCLE

Priority: JP20060125796 20060428 JP20060333782 20061211 JP20070095127 20070330 JP20060333786 20061211 JP20070095128 20070330 JP20060333817 20061211 JP20070095129 20070330 JP20070095130 20070330

Family:

Publication number	Publication date	Application number	Application date
CN100575173 C	20091230	CN200710097729	20070428
CN101062699 A	20071031	CN200710097732	20070428
CN101062701 A	20071031	CN200710097729	20070428
CN101062704 A	20071031	CN200710097639	20070427
CN101062704 B	20110119	CN200710097639	20070427
CN101062705 A	20071031	CN200710097643	20070427
CN101062705 B	20110608	CN200710097643	20070427
CN101628600 A	20100120	CN200910164842	20070427
CN101628600 B	20120201	CN200910164842	20070427
JP2007314165 A2	20071206	JP20070095127	20070330
JP2008168887 A2	20080724	JP20070095128	20070330
JP2008168888 A2	20080724	JP20070095129	20070330
JP2008168889 A2	20080724	JP20070095130	20070330
TH45615 B	20150821	TH20071002096	20070427
TH48767 B	20160321	TH20071002094	20070427
TH95833 A	20090529	TH20071002093	20070427
TH95834 A	20090529	TH20071002094	20070427
TH95835 A	20090529	TH20071002095	20070427
TH95836 A	20090529	TH20071002096	20070427
TW200806523 A	20080201	TW20070112893	20070412
TWI331108 B	20101001	TW20070112893	20070412
US2007251744 AA	20071101	US20070741653	20070427
US7810600 BB	20101012	US20070741653	20070427
VN12639 A1	20140526	VN20070000772	20070411

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std): HARUHITO TAKAHASHI ; MATSUZAWA TAKETOSHI ; MATSUZAWA TORAO ; TAKAHASHI HARUHITO ; TAKETOSHI MATSUZAWA ; TORAO MATSUZAWA

Agent(s): HOGAN AND HARTSON LLP; KEATING AND BENNETT LLP

International class (IPC 8–9): B60K11/00 B60Q1/34 B60Q1/44 B62J1/12 B62J1/28 B62J15/00 B62J23/00 B62J35/00 B62J39/00 B62J6/00 B62J6/04 B62J9/00 B62J99/00 B62K11/00 B62K25/20 B62M7/12 B62M9/06 E05B65/12 E05B83/00 E05B85/06 F02M35/16 F16H57/04 F21S8/10 (Advanced/Invention); F21W101/14 (Advanced/Non–invention); B60K11/00 B60Q1/34 B60Q1/44 B62J1/00 B62J1/12 B62J15/00 B62J23/00 B62J35/00 B62J39/00 B62J6/00 B62J9/00 B62J99/00 B62K11/00 B62K25/04 B62M7/00 B62M9/00 E05B65/12 F16H57/04 F21S8/10 (Core/Invention); B62J23/00 F02M35/16 (Core/Non–invention)

International class (IPC 1–7): B62J39/00 B62J9/00 B62K1/00 B62K11/00 F16H57/04

CPC: B62K2202/00 B62M7/12 F16H57/04

European class: B62M7/12 F16H57/04 L62K202/00

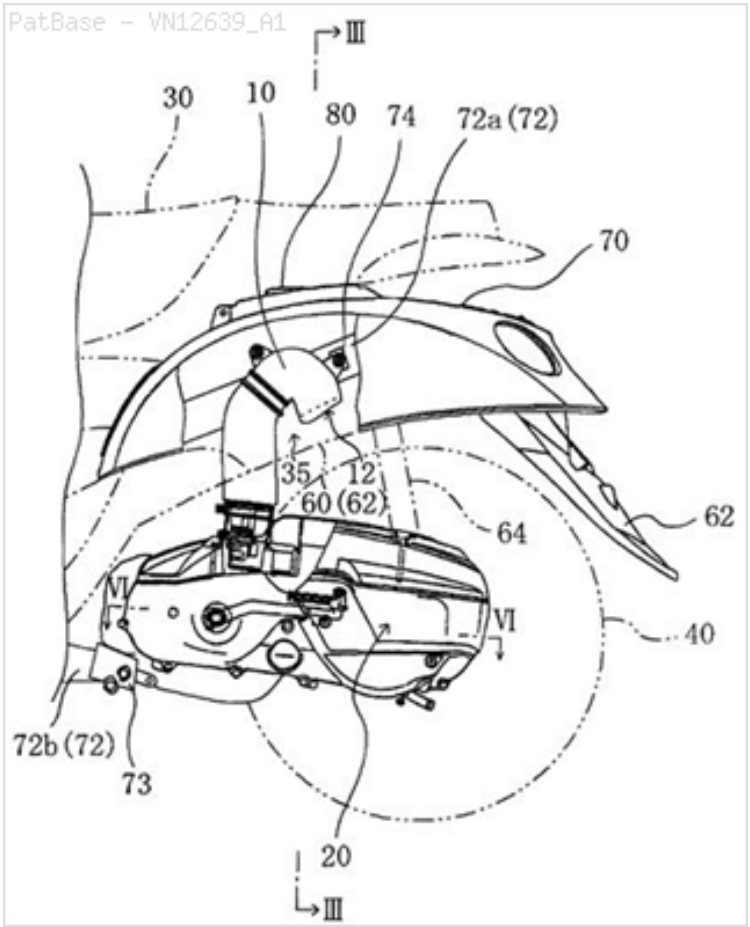
US class: 180/229 180/230 180/339 180/68.1 180/68.100 474/93

Classification Explorer

Cited documents: US6572089 BB, US6164673 A, US6073948 A, US5644202 A, US5478098 A, US5222572 A, US5101924 A, US5044646 A, US4733639 A, US4634108 A, US4632070 A, US4531928 A, US4531928 A, US4402379 A, US2006270503 AA, TW200304881, JP9328088 A2, JP63130429 A2, JP5330470 A2, JP2003054468 A2, JP2000229593 A2, JP2000079892 A2, JP10218062 A2,

Forward Citations: US2009309082, TWI405899, TWI397480, JP5789124, JP2012240520, JP2012179960, JP2011046328, EP2527179, EP2221243, CN102161359, CN102161359, CN101962051, CN101811550,

Abstract:
Source: US2007251744A A motorcycle has a duct that is simple in construction to introduce cooling air into a belt chamber while simultaneously preventing invasion of dust, etc. into the belt chamber. A rear fender defines a wall that separates the seat and a rear tire. An outside−air intake port of the duct is arranged in a space formed between the seat and the wall.



0) US2002040699A – MOTORCYCLE INTAKE STRUCTURE

19) Family number: 22319731 (US2002040699A) © PatBase

Title: Motorcycle intake structure

Priority: JP20000308397 20001006 JP20060135812 20060515

Family:

Publication number	Publication date	Application number	Application date
JP2002115612 A2	20020419	JP20000308397	20001006
JP2006273324 A2	20061012	JP20060135812	20060515
JP3829975 B2	20061004	JP20000308397	20001006
JP4459189 B2	20100428	JP20060135812	20060515
US2002040699 AA	20020411	US20010970918	20011005
US6688274 BB	20040210	US20010970918	20011005

Probable Assignee: HONDA GIKEN KOGYO KK

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; YOKOYAMA KAZUHIKO ; YAMAMOTO SHOJI

Assignee(s): INOMOTO KEISUKE ; OKUMA TAKANORI ; HONDA GIKEN KOGYO K USHIKI KAISHA AB ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** IMOTO KEISUKE ; INOMOTO KEISUKE ; OKUMA TAKANORI ; YAMAMOTO SHOJI ; YOKOYAMA KAZUHIKO

International class (IPC 8–9)**:** B62J1/12 B62J15/00 B62J23/00 B62J99/00 B62K11/04 B62M7/02 F02M35/02 F02M35/16 (Advanced/Invention) ; B62J1/00 B62J15/00 B62J23/00 B62J99/00 B62K11/00 B62M7/00 F02M35/00 F02M35/02 (Core/Invention)

International class (IPC 1–7)**:** B62J39/00 F02M35/04 F02M35/16

CPC: B62K11/04 B62M7/02 F02M35/02 F02M35/1017 F02M35/10196 F02M35/162

European class: B62K11/04 B62M7/02 F02M35/02 F02M35/10E12 F02M35/10E4 F02M35/16C

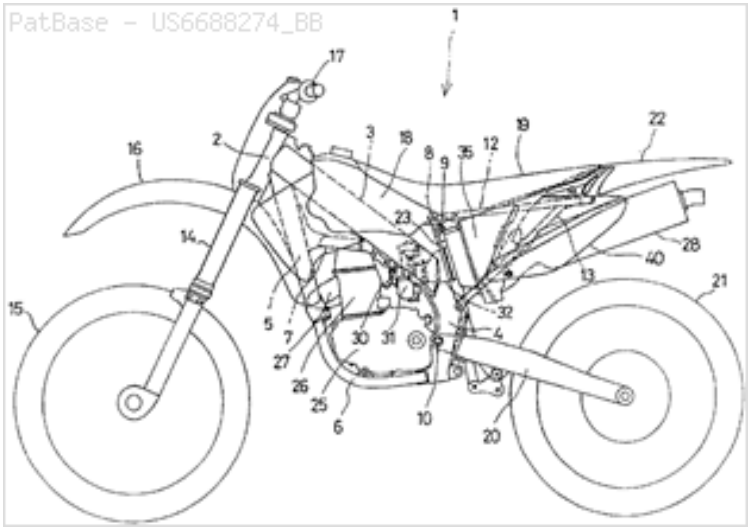
US class: 123/184.21 123/198E 180/219 55/385.3

Classification Explorer

Cited documents: US6409783 BA, US6306190 BA, US6290016 BA, US6283242 BA, US6251151 BA, US5609658 A, US4821685 A, US4648474 A, US4280582 A, US3698503 A, JP8198157, JP7151029, JP6299920, JP59113217 U, JP5321781, JP5238459, JP5221364, JP5221360, JP3193583 A2, JP3193583, JP2225188, JP165578, JP11165578 A2, JP1018927, JP10018927, JP08198157, JP07151029, JP06299920, JP05321781, JP05238459, JP05221364, JP05221360, JP03193583, JP02225188,

Forward Citations: US8944197, US7845450, US7438738, US7353902, US7316285, US6997967, US2013240276, US2009194353, US2006065456, US2005217633, US2005161271, US2004093839, TWI302134, JP5732293, JP2012206536, JP2011245972, EP2639443,

Abstract:
Source: US2002040699A In a motorcycle intake structure, an air cleaner is provided under a sheet and an intake passage is connected to an upper opening of the air cleaner. The intake passage is formed by the sheet, a rear fender and a side cover. An inlet port from the outside of the intake passage opens rearward in a upper rear portion of the side cover. This motorcycle intake structure forms a smooth intake airflow with reduced intake resistance and free from influence by dirt or other debris.



0) EP2230163A1 – MOTORCYCLE WITH TAIL LAMP ARRANGEMENT MOTORRAD...

20) Family number: 46848744 (EP2230163A1) © PatBase

Title: Motorcycle with tail lamp arrangement

Priority: EP20090179206 20091215 JP20090062509 20090316

Family:

Publication number	Publication date	Application number	Application date
BRPI1002210 A2	20110705	BR2010PI02210	20100315
CN101837813 A	20100922	CN200910259155	20091215
CN101837813 B	20130327	CN200910259155	20091215
EP2230163 A1	20100922	EP20090179206	20091215
EP2572968 A2	20130327	EP20120197772	20091215
EP2572968 A3	20130417	EP20120197772	20091215
IN00491MU2010 A	20111118	IN2010MU00491	20100224
JP2010215054 A2	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

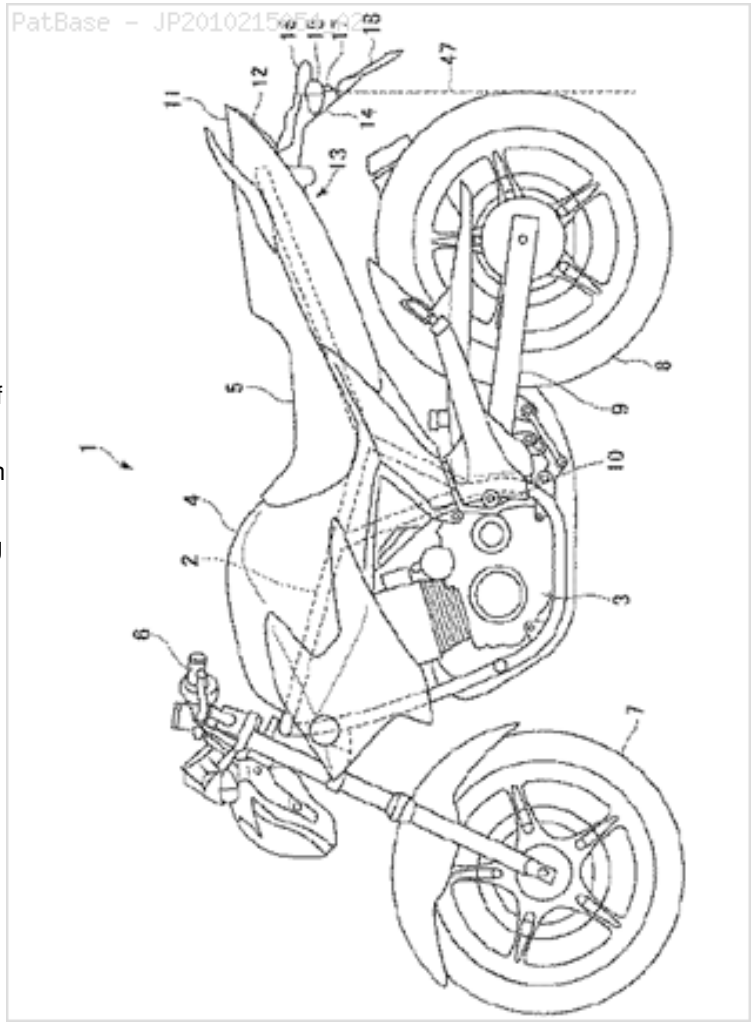
European class: B62J15/00 B62J6/04

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).



0) IN00075CH2009A – FENDER ASSEMBLY FOR A MOTORCYCLE

21) Family number: 49966470 (IN00075CH2009A)

© PatBase

Title: FENDER ASSEMBLY FOR A MOTORCYCLE

Family:

Publication number	Publication date	Application number	Application date
IN00075CH2009 A	20111125	IN2009CH00075	20090112

Probable Assignee: TVS MOTOR CO LTD

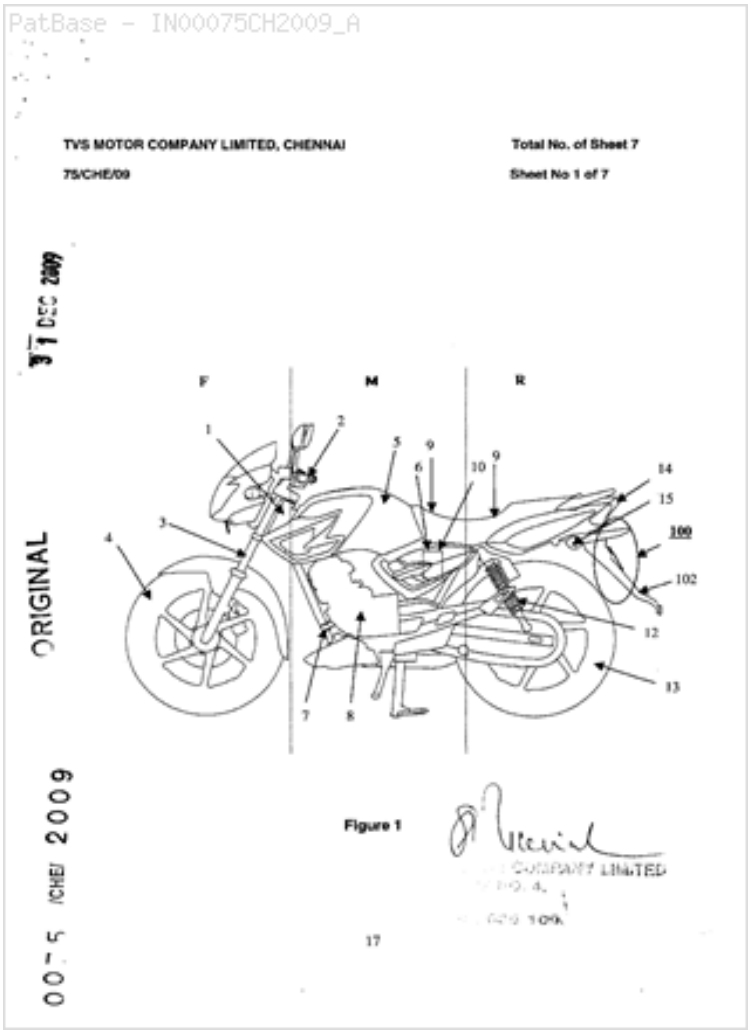
Assignee(s): TVS MOTOR CO LTD

Inventor(s): MEGHASHYAM LAXMAN DIGHOLE ; RAVIKUMAR GOKABALU ; RAVISANKAR RAJAMANI

International class (IPC 8–9): B62J15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN00075CH2009A Fender assembly (100) for a motorcycle for providing additional protection by using an additional removable fender flap (210) w hich is adapted to be coupled to the rear fender (102) thereby protecting the rider and the engine from the splashing water and mud.



0) EP2508415A1 – MOTORCYCLE MOTORRAD MOTOCYCLETTE

22) Family number: 52080943 (EP2508415A1) © PatBase

Title: Motorcycle

Priority: EP20120163258 20120405 JP20110085192 20110407

Family:

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

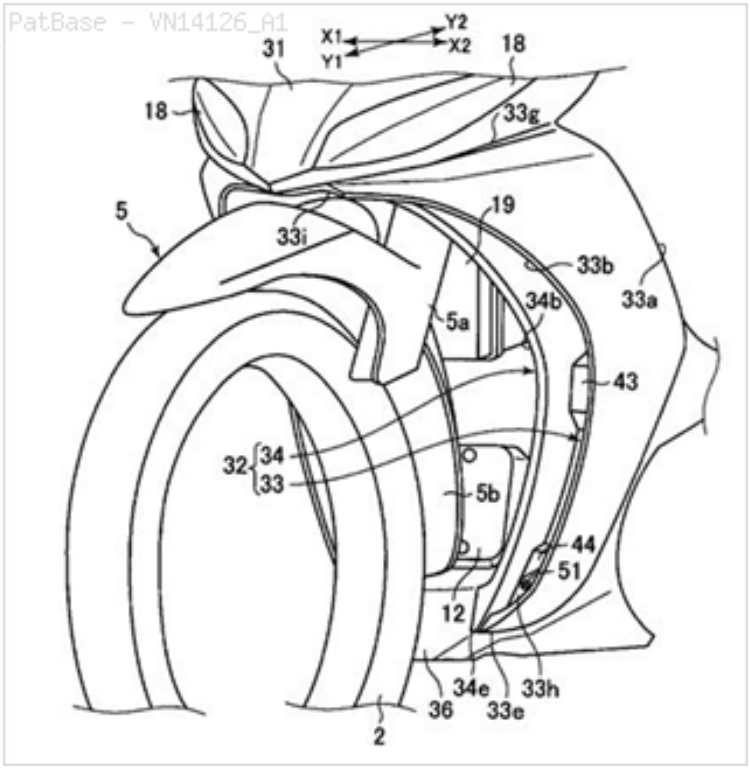
European class: B62J17/02 B62J17/06 L62K202/00

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.



0) US2013313034A – SADDLE–RIDE–TYPE VEHICLE

23) Family number: 55199106 (US2013313034A) © PatBase

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

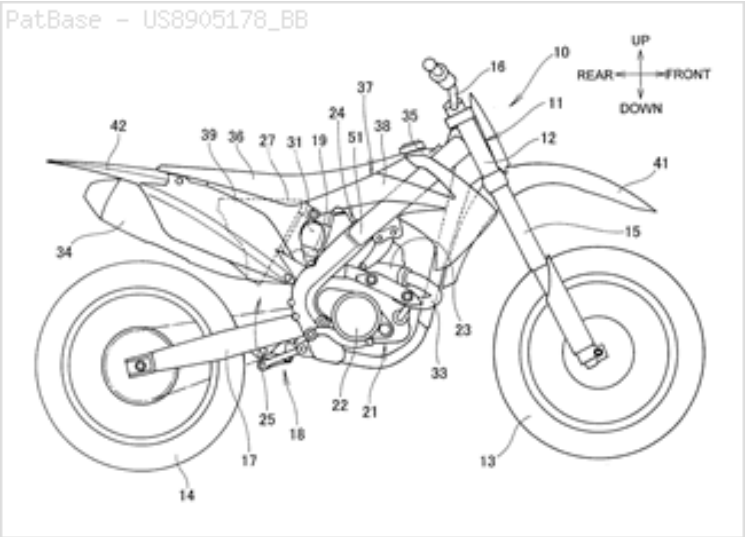
US class: 180/219 180/227

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.



0) US2007107968A – MOTORCYCLE

24) Family number: 31457874 (US2007107968A) © PatBase

Title: MOTORCYCLE

Priority: JP20030189209 20030701 JP20040164252 20040602 WO2004JP09123 20040628

Family:

Publication number	Publication date	Application number	Application date
AT485998 E	20101115	AT20040746592T	20040628
CN100393570 C	20080611	CN200480013611	20040628
CN101181917 A	20080521	CN200710160414	20040628
CN101181918 A	20080521	CN200710160415	20040628
CN1791530 A	20060621	CN200480013611	20040628
DE602004029783 D1	20101209	DE200460029783T	20040628
EP1640256 A1	20060329	EP20040746592	20040628
EP1640256 A4	20090909	EP20040746592	20040628
EP1640256 B1	20101027	EP20040746592	20040628
JP4097669 B1	20080611	JP20050511334T	20040628
JP4097669 B2	20080611	JP20050511334T	20040628
US2007107968 AA	20070517	US20040559910	20040628
US7458436 BB	20081202	US20040559910	20040628
WO05002953 A1	20050113	WO2004JP09123	20040628

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** IWANAGA SADAMU ; YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** IWANAGA SADAMU ; SADAMU IWANAGA

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; YAMAHA HATSUDOKI KABUSHIKI KAISHA, C/O KEATING AND BENNETT LLP; YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI 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 (IPC 8–9)**:** B60K13/04 B60R25/00 B60R25/09 B62H5/14 B62H5/16 B62J11/00 B62J15/00 B62J9/00 B62K11/00 B62K11/04 B62K19/30 B62K25/28 B62K9/00 B62M7/00 B62M7/02 (Advanced/Invention); B60R25/00 B62H5/00 B62J11/00 B62J15/00 B62K11/00 B62K25/04 B62M7/00 (Core/Invention)

International class (IPC 1–7)**:** B62H5/16 B62J11/00 B62J15/00 B62M7/02

CPC: Y10T70/5872 B62K25/283 B62H5/14 B62H2005/008 B62J11/00 B62K11/04

European class: B62H5/14 B62J11/00 B62K11/04 B62K25/28B B62M7/02 L62H5/00U

US class: 180/219 180/227 280/288.4 70/233

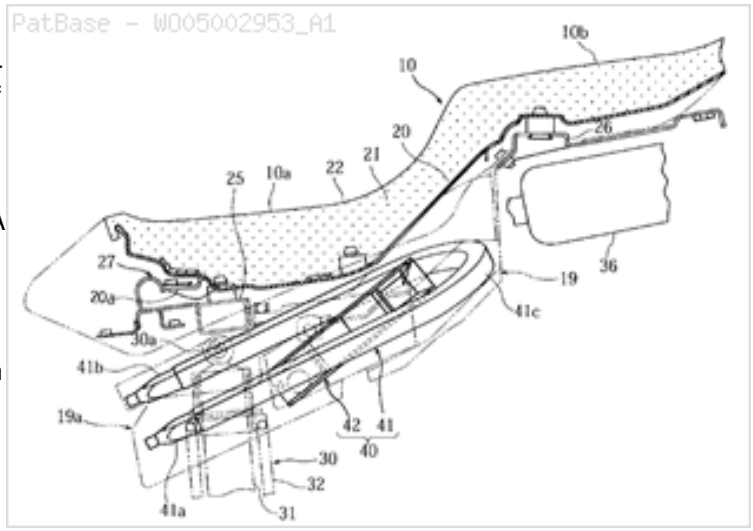
Classification Explorer

Cited documents: WO05002953 A1, US7428833 BB, US6889789 BB, US6860359 BB, US6588529 BB, US6170593 BA, US6170593 B1, US5671622 A, US5560445 A, US4436232 A, JP9058548 A2, JP8207849 A2, JP8080882 A2, JP7329847 A2, JP2002029474 A2, JP2001233265 A2, JP11278337 A2, JP10016848 A2, EP1640256 A1, EP0726196 A1,

Forward Citations:

US9359038, US8695747, US8567813, US8424902, US8336662, US8177015, US7748746, US7669682, US7658395, US7458436, US2010270777, US2009260910, US2009050392, US2008169627, US2008169149, US2008169148, EP1816063,

Abstract:
Source: US2007107968A A motorcycle includes a rear arm, at one end of which a rear wheel is axially supported and the other end of which is pivotally supported by a body frame via a pivotally supporting shaft. A spring unit is interposed between the rear arm and the body frame so as to be located between the pivotally supporting shaft and the rear wheel. A lock arm placing section houses a lock arm for theft prevention having left and right arm sections and a bent section coupling ends of the left and right arm sections to each other. The lock arm placing section houses the lock arm in a position in which the left and right arm sections of the lock arm are located on both sides of the spring unit.



0) BRMU9100842U – EXTENSOR DE PARA–LAMA DE MOTOCICLETA FENDER EX...

25) Family number: 54176862 (BRMU9100842U) © PatBase

Title:	EXTENSOR DE PARA–LAMA DE MOTOCICLETA FENDER EXTENDER FOR MOTORCYCLE (Machine translation)
Priority:	BR2011MU00842U 20110412

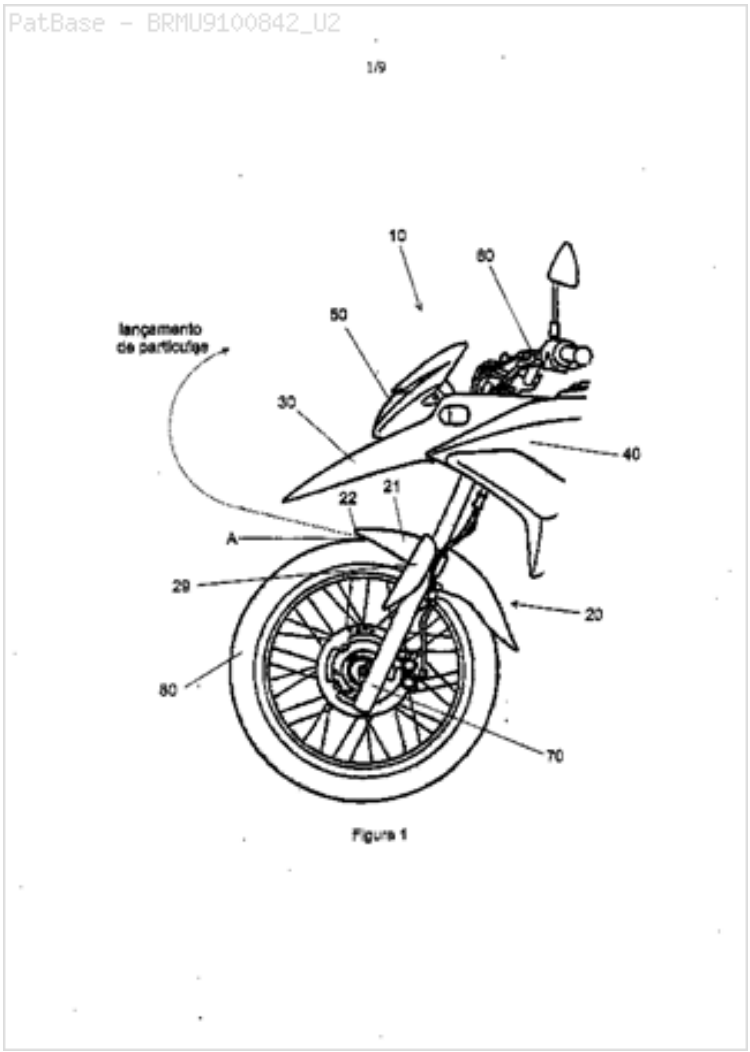
Family:

Publication number	Publication date	Application number	Application date
BRMU9100842 U2	20130618	BR2011MU00842U	20110412

Probable Assignee:	GUERRA ALEXANDRE BARLEM
Assignee(s):(std):	GUERRA ALEXANDRE BARLEM
Assignee(s):	ALEXANDRE BARLEM GUERRA
Inventor(s):(std):	GUERRA ALEXANDRE BARLEM
Inventor(s):	ALEXANDRE BARLEM GUERRA
International class (IPC 8–9):	B62D25/16 B62J15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRMU9100842U Com objetivo de eliminar o lancamento de agua e outras particulas, como terra e lama, que atingem farol e piloto de uma motocicleta, e consequentemente, garantir o seu conforto e seguranca, bem como dos demaisw usuarios da via, o presente modelo de utilidade propoe um extensor de para–lama de motocicleta, caracterizado por ser consttuido por corpo substancialmente delgado e convenientemente moldado, em curvatura substancialmente identica a da roda dianteira de motocicleta, dito corpo definido por uma extremidade anterior, uma extremidade posterior, duas extremidades laterais, uma superficie superior e uma superficie inferior; e dito extensor de para–lama sendo dotado de meios de encaixe para sua fixacao no para–lama dianteiro inferior da motocicleta. To eliminate the launching of water and other particles such as dirt and mud, which reach lighthouse and pilot a motorcycle, and consequently ensure your comfort and safety, as well as the users demaisw pathway, this model utility proposes a extender motorcycle fender, characterized in that consttuido a substantially slender body and suitably shaped, on curve substantially identical to the front wheel motorcycle, said body defined by a front end, a rear end, two side ends a top surface and a bottom surface, and said extender fender being provided with engagement means for their fixation on lower front fender of the motorcycle.



0) US2015042064A – VEHICLE

26) Family number: 58464885 (US2015042064A) © PatBase

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(IPC 8–9)**:** B62J15/00 B62J23/00 B62J9/00 B62K11/04 (Advanced/Invention)

CPC: B62J15/00 B62K11/04

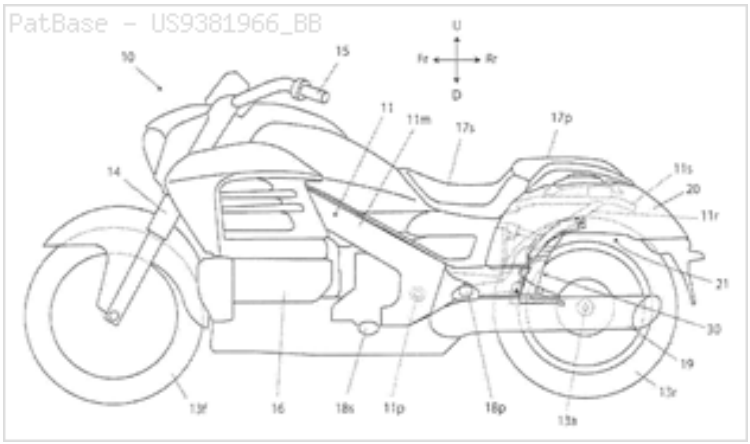
US class: 1/1 280/281.1 280/283 280/851

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.



27) Family number: 44209960 (US2010001551A) © PatBase

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 ASSOCICATES 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

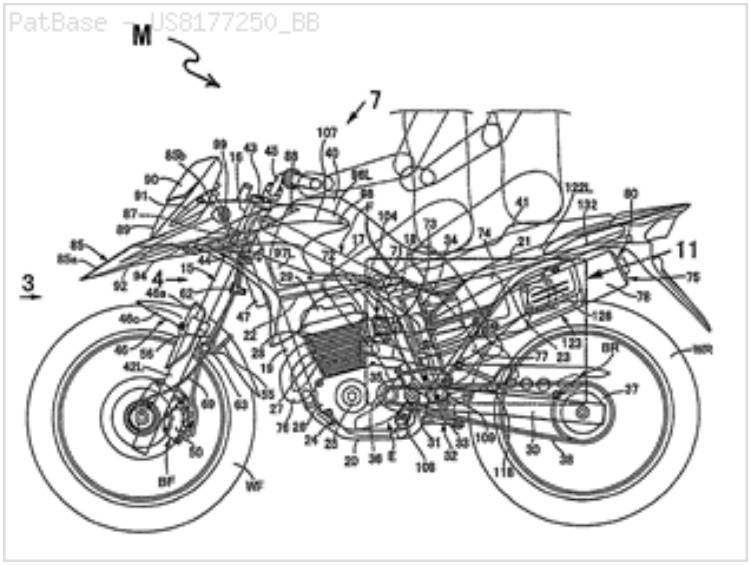
US class: 180/229 280/288.4 296/192 296/192P

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.



0) JP2013071675A – MOTORCYCLE

28) Family number: 54061841 (JP2013071675A) © PatBase

Title: MOTORCYCLE

Priority: JP20110213301 20110928

Family:

Publication number	Publication date	Application number	Application date
BR102012024555 A2	20130917	BR20121024555	20120926
JP2013071675 A2	20130422	JP20110213301	20110928

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std): NAKAGOME HIROSHI ; NISHIDA TOMOHIRO ; TSUJINAKA TAKAHITO ; TSUJINAKA TAKAYOSHI

Inventor(s): HIROSHI NAKAGOME ; TAKAYOSHI TSUJINAKA ; TOMOHIRO NISHIDA

Agent(s): SUMIYOSHI KATSUHIKO

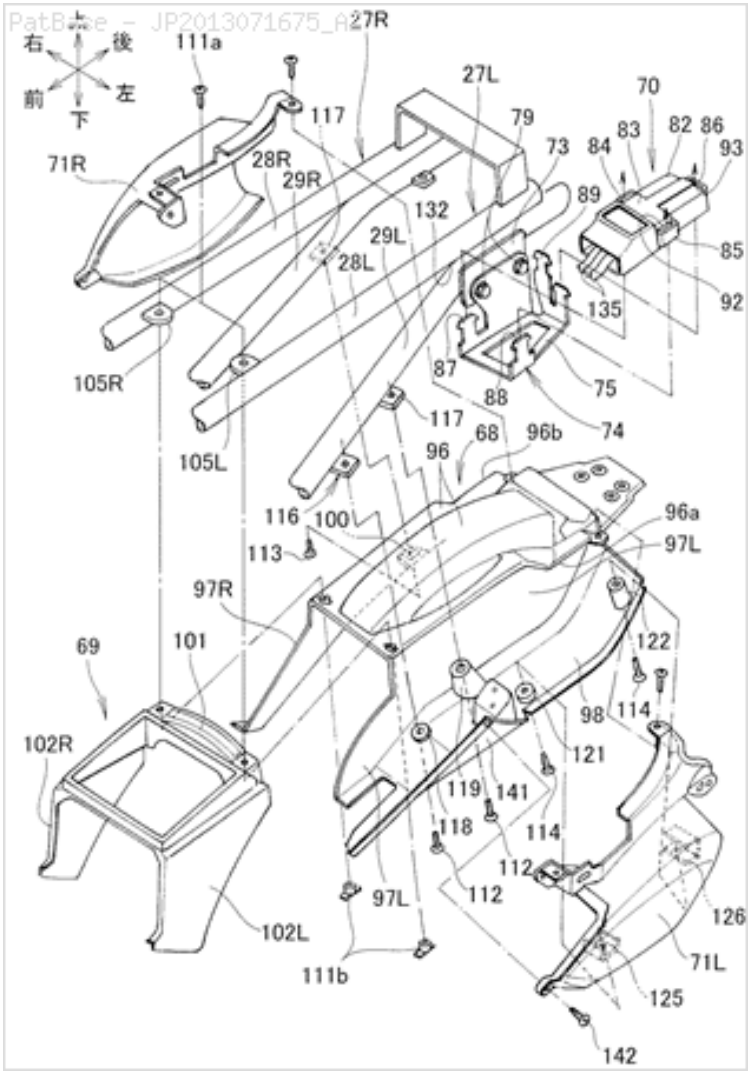
International class (IPC 8–9): B62H5/00 B62J11/00 B62J15/00 B62J23/00 (Advanced/Invention)

Classification Explorer

Cited documents: JP63016988 U1, JP63016988 U, JP62295780 A2, JP2013052790 A2, JP2012106658 A2, JP2011173472 A2, JP2010116128 A2, JP2010111185 A2, JP2009227219 A2, JP2008094160 A2, JP2006336484 A2, JP2005162103 A2, JP10236362 A2, JP10081279 A2,

Forward Citations: JP5852072, JP2015063279,

Abstract:
Source: JP2013071675A PROBLEM TO BE SOLVED: To provide a technology of preventing increase in cost for a vehicle, in a motorcycle with an anti−theft device disposed at the rear part of the vehicle.SOLUTION: The motorcycle includes right and left seat frames 27L, 27R supporting a seat on which a rider is seated; a rear fender 68 mounted on the right and left seat frames 27L, 27R to protect from mud, water and dust from a rear wheel 14; an anti−theft device 70 mounted on the other one of the right and left seat frames 27; and an undercover 98 for protecting from mud, water and dust directly coming from the rear wheel 14 to the anti−theft device 70. The rear fender 68 and the under cover 98 are integrally formed.



0) WO11004663A1 – MOTORCYCLE MOTOCYCLETTE

29) Family number: 48146919 (WO11004663A1) © PatBase

Title: MOTORCYCLE

Priority: JP20090164017 20090710 WO2010JP59349 20100602

Family:

Publication number	Publication date	Application number	Application date
AR077559 AA	20110907	AR2010P102502	20100708
CN102470908 A	20120523	CN201080030977	20100602
CN102470908 B	20131030	CN201080030977	20100602
IN01203CN2012 A	20121019	IN2012CN01203	20120207
JP2011016500 A2	20110127	JP20090164017	20090710
JP5248430 B2	20130731	JP20090164017	20090710
PE10722012 A1	20120819	PE20110002066	20100602
TH118662 A	20121227	TH20111003876	20100602
WO11004663 A1	20110113	WO2010JP59349	20100602

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; ISOMURA MAMORU ; YANADORI KEISUKE ; SASAKI TOMOHIKO ; TAKAHASHI ATSUHIKO

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** ATSUHIKO TAKAHASHI ; ISOMURA MAMORU ; KEISUKE YANADORI ; MAMORU ISOMURA ; SASAKI TOMOHIKO ; TAKAHASHI ATSUHIKO ; TOMOHIKO SASAKI ; YANADORI KEISUKE ; YANAGITOORI KEISUKE

Agent(s): SHIMODA YO ICHIRO

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 KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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): B62J15/00 B62J23/00 B62J9/00 B62J99/00 (Advanced/Invention); B62J15/00 (Core/Invention)

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

CPC: B62J15/00 B62J99/00

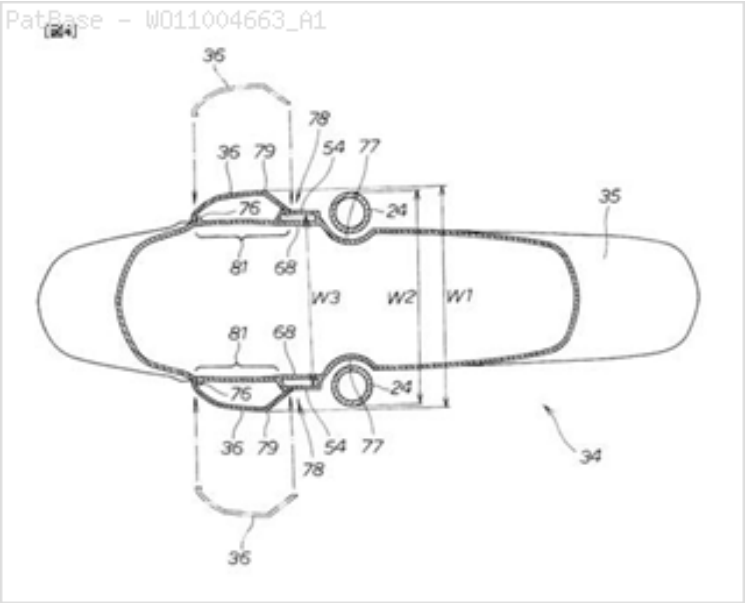
European class: B62J15/00 B62J99/00

Classification Explorer

Cited documents: JPS6258274 U, JPS624485 U, JP6258274 U, JP62058274 U1, JP62058274 U, JP6204485 U, JP62004485 U1, JP62004485 U, JP4066380 A2, JP0466380, CN2494786 Y,

Forward Citations: WO13121597, JP5806380, JP2013121597, CN104114443,

Abstract:
Provided is a motorcycle provided with a front fender (34) which can effectively cool an engine (19) by an aerodynamic air flow. The front fender (34) is provided with right and left bulged portions (36, 36) which protrude laterally with respect to the vehicle body in a position in front of front forks (24). Besides accommodation portions (77) for accommodating the front forks, right and left recesses (78, 78) which are recessed in a central direction of the vehicle width are provided in positions at the rear of the bulged portions and in front of the front forks. A part of the aerodynamic air flow is swirled (85) in the recesses. Due to the swirl, the recesses have a negative pressure lower than the surroundings, so that the aerodynamic air flow is drawn toward the center of the vehicle width.



0) JP2008213534A – GRIP STRUCTURE OF MOTORCYCLE

30) Family number: 42275060 (JP2008213534A) © PatBase

Title: GRIP STRUCTURE OF MOTORCYCLE

Priority: JP20070050034 20070228

Family:

Publication number	Publication date	Application number	Application date
CN101254804 A	20080903	CN200710088479	20070327
CN101254804 B	20100728	CN200710088479	20070327
IN00453CH2008 A	20090911	IN2008CH00453	20080222
IN252283 B	20120511	IN2008CH00453	20080222
JP2008213534 A2	20080918	JP20070050034	20070228
JP4989991 B2	20120801	JP20070050034	20070228

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** JAN YUIN ; YUN JIANG

Inventor(s): JIANG YUN

International class (IPC 8–9)**:** B62J1/28 B62J15/00 B62J23/00 (Advanced/Invention); B62J1/00 B62J15/00 B62J23/00 (Core/Invention)

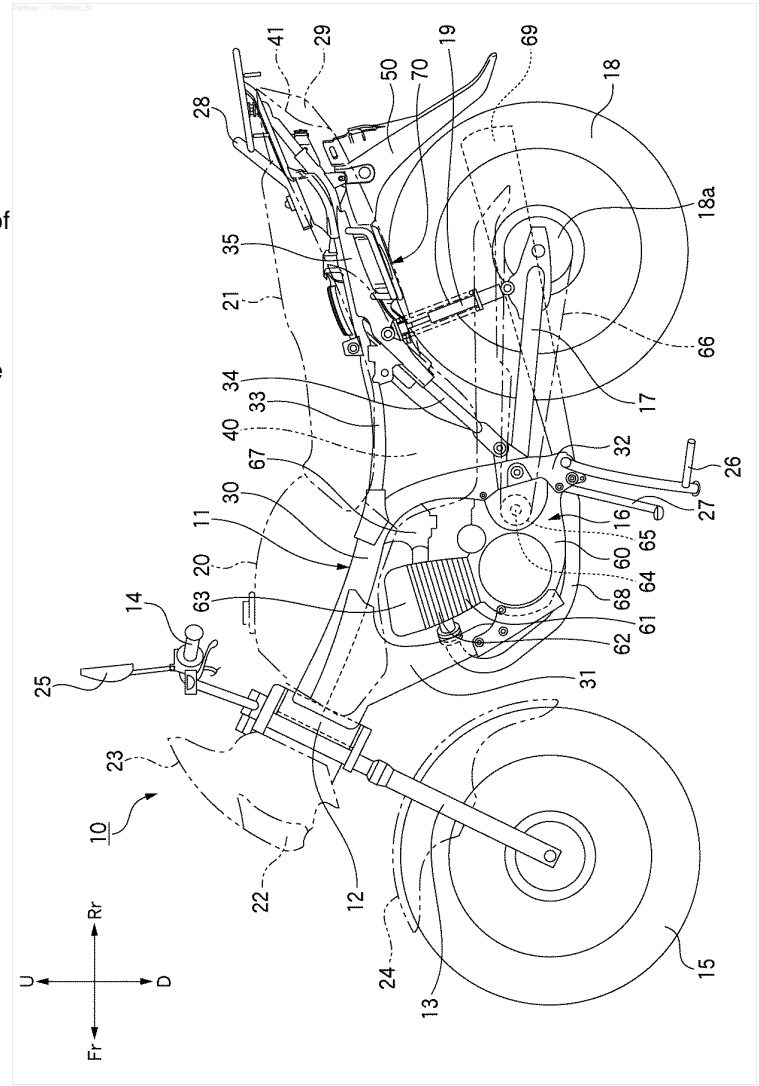
International class (IPC 1–7)**:** B62J39/00

Classification Explorer

Cited documents: JPS6352685 U, JPS5950884, JP9309475 A2, JP8040339 A2, JP6352685 U, JP63052685 U1, JP6234383 A2, JP5950884, JP59050884 A2, JP09309475, JP0840339, JP06234383,

Forward Citations: US2016214674, CN102030063,

Abstract:
Source: JP2008213534A PROBLEM TO BE SOLVED: To provide a grip structure of a motorcycle allowing a user to grip a grip securely and capable of preventing dust such as mud from adhering to the grip and improving the aesthetic appearance of the motorcycle. SOLUTION: This grip 70 of the grip structure of the motorcycle is composed of a grip main body 71 extended outward in the direction of vehicle width from a rear part vehicle body frame 35 to become annular when viewed in a plane and a grip cover 72 provided on a rear fender 50 to cover a part below the grip main body 71 and an inner side of it. A recessed part 73 for grip entering the inner side of the grip main body 71 upward from below is formed in the grip cover 72.



0) US2009108630A – VEHICLE COWL FOR DEFLECTING ROAD DEBRIS

31) Family number: 43199062 (US2009108630A) © PatBase

Title: VEHICLE COWL FOR DEFLECTING ROAD DEBRIS

Priority: JP20070284228 20071031

Family:

Publication number	Publication date	Application number	Application date
CN101423087 A	20090506	CN200810173916	20081030
CN101423087 B	20120118	CN200810173916	20081030
IN01744KO2008 A	20090605	IN2008KO01744	20081015
JP2009107568 A2	20090521	JP20070284228	20071031
TW200936429 A	20090901	TW20080136694	20080924
TWI369314 B	20120801	TW20080136694	20080924
US2009108630 AA	20090430	US20080289429	20081028
US8006792 BB	20110830	US20080289429	20081028

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** KOUTA NAKAO ; KUNIYUKI TAKAHASHI ; NAKAO KOTA ; NAKAO KOUTA ; TAKAHASHI KUNIYUKI

Agent(s): HARUKA PATENT AND TRADEMARK ATTORNEYS; RABIN AND BERDO PC

International class(IPC 8–9)**:** B60K11/08 B62D25/08 B62J17/00 B62J99/00 (Advanced/Invention); B62D25/08 B62J17/00 B62J99/00 (Core/Invention)

International class(IPC 1–7)**:** B62J17/00 B62J23/ B62J23/00 B62J99/00

CPC: B62J17/00 B62K11/04

European class: B62J17/00 B62K11/04

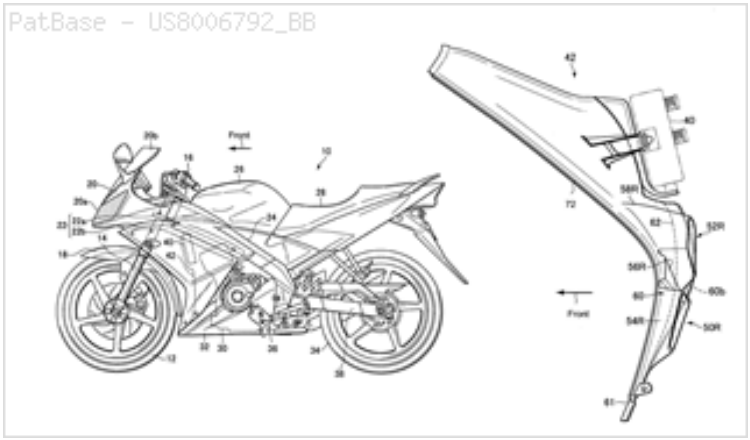
US class: 180/229 180/68.1 296/192 296/192P

Classification Explorer

Cited documents: US7556115 BB, US7448461 BB, US7422081 BB, US7410025 BB, US7399029 BB, US7387180 BB, US7380624 BB, US7370902 BB, US7270207 BB, US6619415 BA, US6276482 BA, US6276482, US5566746 A, US5330029, US4964484 A, US4913256 A, US4887688 A, US4830135 A, US4709774 A, US4685530 A, US4678223 A, US4633965 A, US4564081 A, US4249626 A, US2009218152 AA, US2008289893 AA, US2007017721 AA, US2006048991, TW576367, TW448902, TW363026, JP9076967 A2,

Forward Citations: WO15015609, WO10137621, USD782369, US9592872, US9581073, US9580142, US9045188, US8910993, US8905169, US8881859, US8631888, US8464823, US8454075, US8181729, US2016176464, US2016090152, US2015014080, US2014252797, US2014238635, US2013081896, US2013015008, US2012292948, US2011180345, US2011149587, US2009166121, JP5695515, JP2013018358, EP2757029, EP2436584, CN103029777, CN102421662, CN102421662,

Abstract:
Source: US2009108630A A vehicle cowl may comprise a receiving portion formed as a local depression, and one or more openings formed on sides of the receiving portion. The vehicle cowl may be configured to be disposed rearward of a front wheel of a vehicle, the one or more openings to face rearward and the local depression to extend rearward when the vehicle cowl is in place on the vehicle. The receiving portion may be configured to receive and/or deflect an object or substance splashed or thrown up by the front wheel, such as water, mud or road debris, in a position rearward of the front wheel. Moreover, air can flow through the one or more openings on the sides of the receiving portion, to cool heat−generating parts such as the radiator and engine. The vehicle may be a motorcycle.



0) EP2463186A1 – MOTORCYCLE MOTORRAD MOTOCYCLETTE

32) Family number: 51281474 (EP2463186A1) © PatBase

Title: MOTORCYCLE

Priority: EP20110188691 20111110 JP20100273814 20101208 PH20110000378 20111122

Family:

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

Inventor(s): KITAURA TOSHIAKI SHIZUOKA ; TOSHIAKI 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,

Abstract:
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.



0) CN102114885A – PEDAL–FREE MOTORCYCLE FENDER AND FIXING METHOD ...

33) Family number: 49229539 (CN102114885A) © PatBase

Title:	Pedal–free motorcycle fender and fixing method
Priority:	CN201110034792 20110201

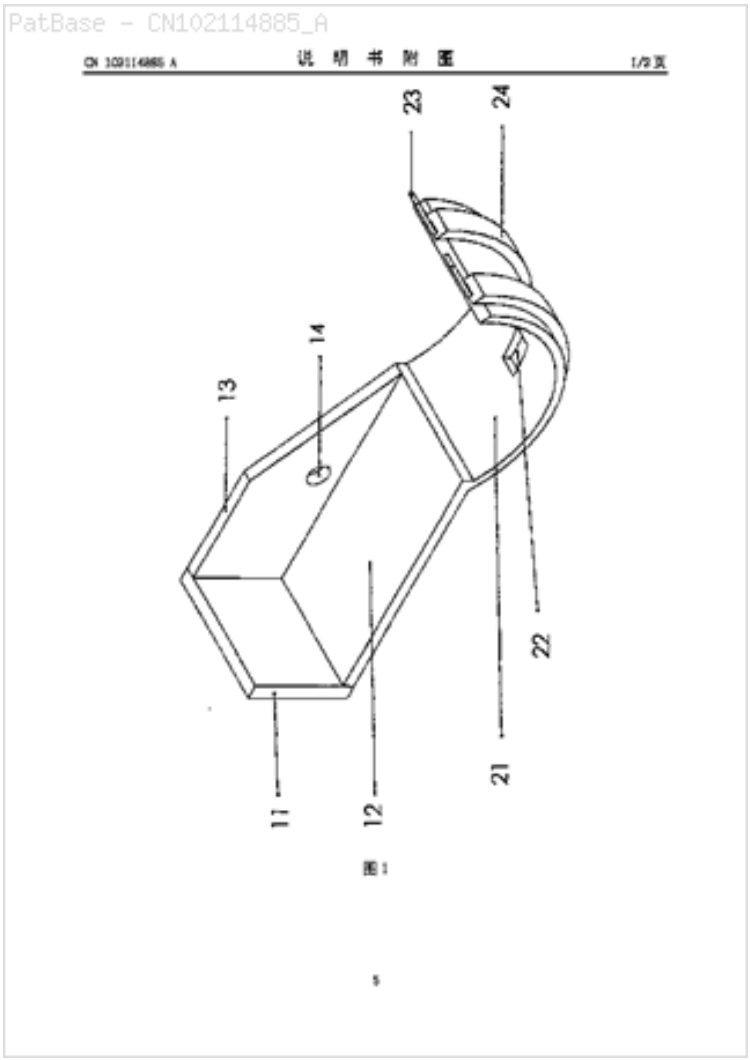
Family:

Publication number	Publication date	Application number	Application date
CN102114885 A	20110706	CN201110034792	20110201

Probable Assignee:	CHENGGANG XIE
Assignee(s):(std):	CHENGGANG XIE
Assignee(s):	XIE CHENGGANG
Inventor(s):(std):	CHENGGANG XIE
Inventor(s):	XIE CHENGGANG
International class (IPC 8–9):	B62J15/02 B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN102114885A The invention relates to a motorcycle fender, in particular to a back lower fender of a motorcycle and a fixing method for a footrest fender of the back lower fender of the motorcycle. A pedal–free motorcycle fender comprises a back fender and a front fender. The pedal–free motorcycle fender is characterized in that the back fender is provided with a rear wheel fender, a rear fender and a lower rear fender; and the front fender is provided with footrest fenders, a brake bar hole, an elastic bag and an elastic strip. The pedal–free motorcycle fender can not only protect the feet of a bicycle rider but also protect the feet of a passenger. The footrest fenders of the pedal–free motorcycle fender are closely attached to a brake pedal and a shift pedal of the motorcycle. The footrest fenders of the pedal–free motorcycle fender are higher than the bottom of an engine of the motorcycle, so as to prevent the footrest fenders from contacting the ground. The rear part of the pedal–free motorcycle fender is more convenient to be directly mounted on a rear frame part of the motorcycle and can guard against mud from the rear part and the lower part.



0) BRPI1103866A – CONJUNTO DE PARA–CHOQUE PARA MOTOCICLETA SET F...

34) Family number: 56672304 (BRPI1103866A)

© PatBase

Title: CONJUNTO DE PARA–CHOQUE PARA MOTOCICLETA SET FOR–SHOCK FOR MOTORCYCLE (Machine translation)

Priority: BR2011PI03866 20110808

Family:

Publication number	Publication date	Application number	Application date
BRPI1103866 A2	20140527	BR2011PI03866	20110808

Probable Assignee: TVS MOTOR CO LTD

Assignee(s):(std)**:** TVS MOTOR CO LTD

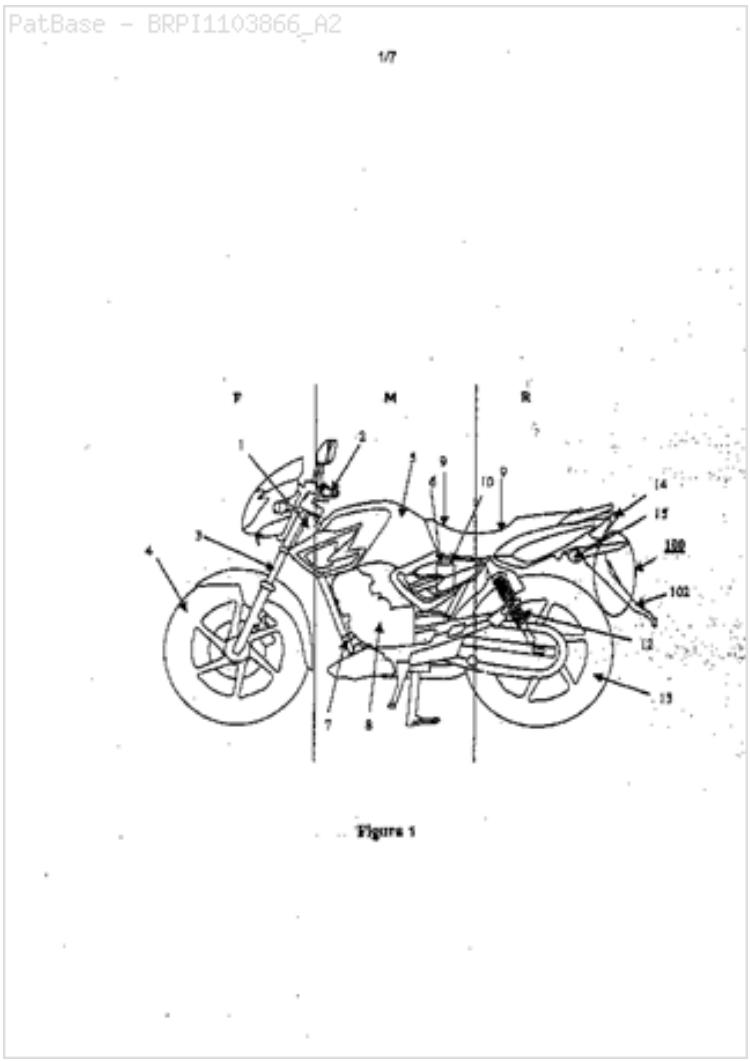
Inventor(s):(std)**:** DIGHOLE MEGHASHYAM LAXMAN ; GOKABALU RAVIKUMAR ; RAJAMANI RAVISANKAR

Inventor(s): RAVIKUMAR GOKABALU ; RAVISANKAR RAJAMANI ; MEGHASHYAM LAXMAN DIGHOLE

International class (IPC 8–9): B62J27/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI1103866A 1 RESUMO "CONJUNTO DE PARA–CHOQUE PARA MOTOCICLETA" A presente invencao refere–se a um conjunto de para–choque (100) para uma motocicleta para proporcionar protecao adicional usando um 5 flap de para–choque removivel adicional (210) que e adaptado para ser acoplado ao para–choque traseiro (102), protegendo desta forma o motociclista e o motor contra respingos de agua e lama. 1 SUMMARY "SET TO–SHOCK FOR MOTORCYCLE" The present invention relates to a set of fender (100) to a motorcycle to provide additional protection using a 5 flap additional removable fender (210) which is adapted to be coupled to the rear bumper (102), thereby protecting the rider and the motor from the water and mud splashes.



0) EP2540603A2 – SADDLE TYPE VEHICLE FAHRZEUG MIT EINEM SATTEL ...

35) Family number: 52663651 (EP2540603A2) © PatBase

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 PATENTANWAELTE 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

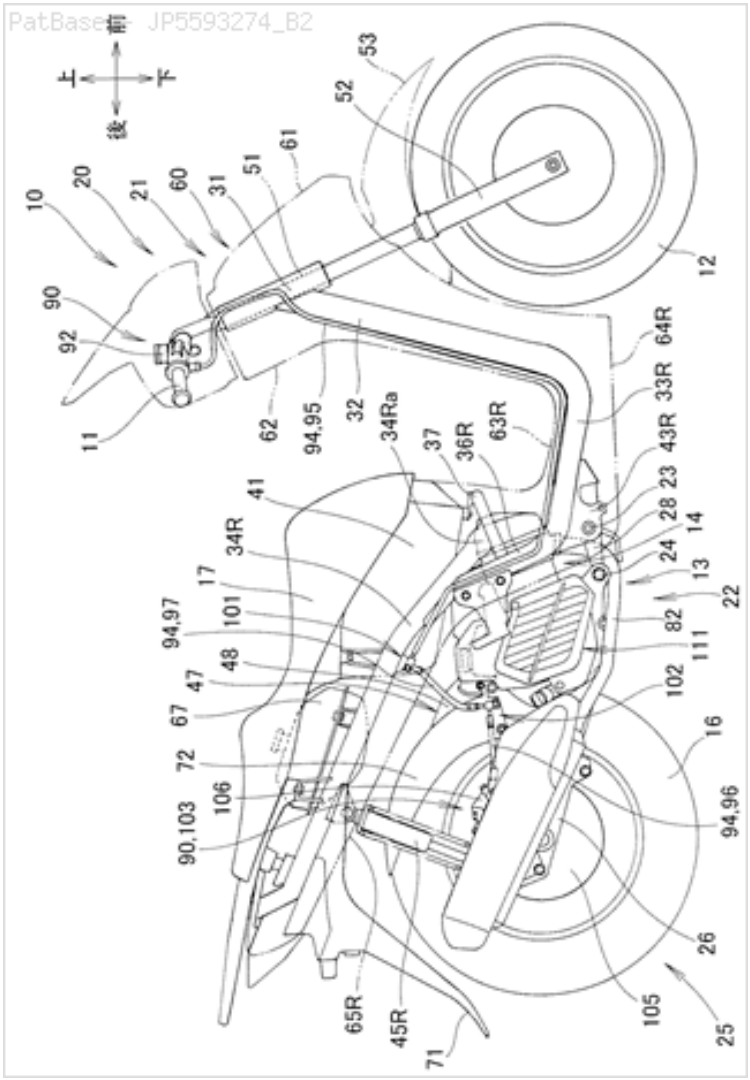
European class: B62J15/00 L62K202/00

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).



0) US5924715A – MUD GUARD MOTORCYCLE FORK

36) Family number: 11640309 (US5924715A) © PatBase

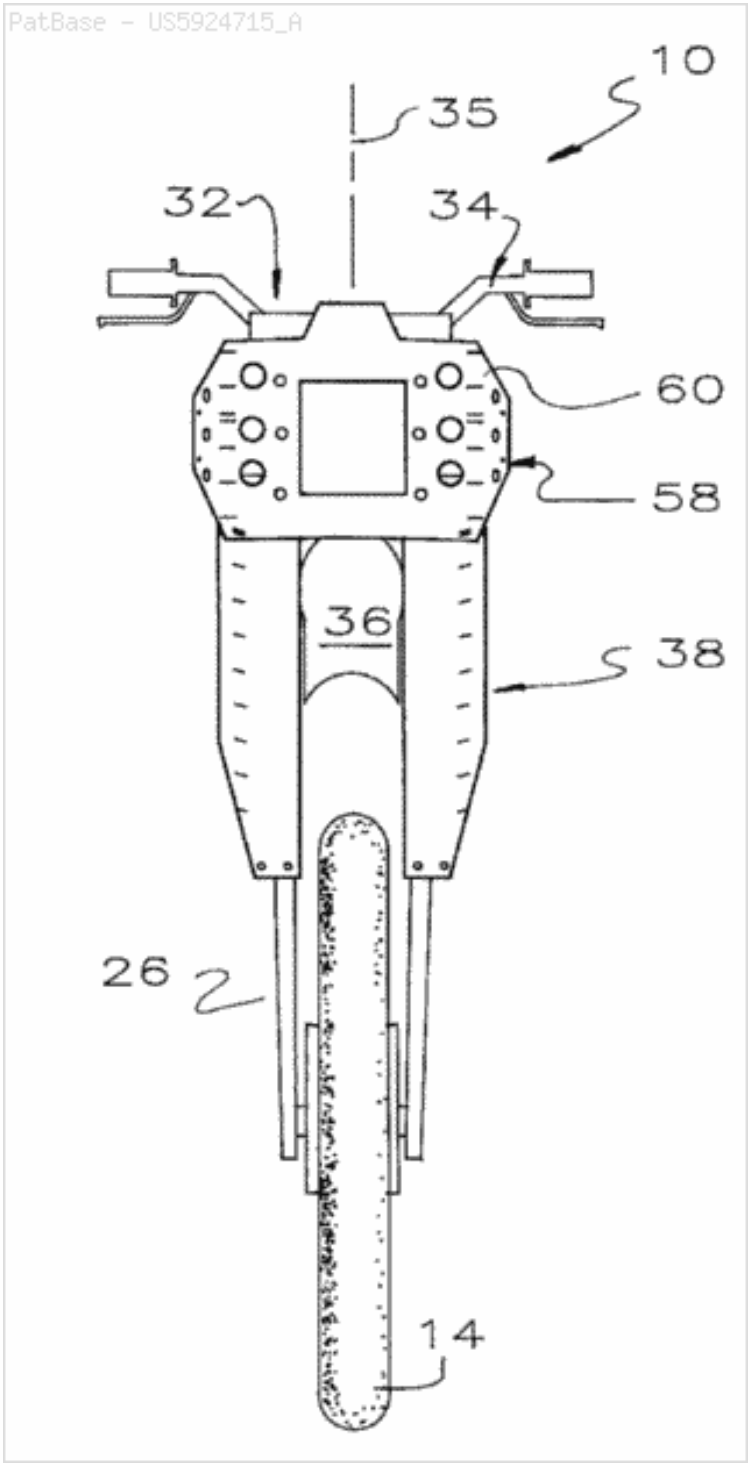
Title:	Mud guard motorcycle fork
Priority:	US19970827337 19970326

Family:

Publication number	Publication date	Application number	Application date
US5924715 A	19990720	US19970827337	19970326

Probable Assignee:	NOREM MARLIN A
Assignee(s):(std)**:**	NOREM MARLIN A
Inventor(s):(std)**:**	NOREM MARLIN A
International class (IPC 8–9)**:**	B62K25/08 (Advanced/Invention); B62K25/06 (Core/Invention)
International class (IPC 1–7)**:**	B62K25/08
CPC:	B62K25/08
European class:	B62K25/08
US class:	280/152.1 280/276 280/852
Classification Explorer	
Cited documents:	US5186274 A, US5165712 A, US5092421 A, US4878558 A, US4620713 A, US4138132 A,
Forward Citations:	USD774985, US7341316, US7273259, US7182410, US6837508, US6758484, US6659489, US6659483, US2016208827, US2014145413, US2009051140, US2006208561, US2006208558, US2006032686, US2006006732, US2004207171, GB2439468, GB2439468,

Abstract:
Source: US5924715A A front fork assembly of a motorcycle comprises a pair of hydraulic shock absorbers with a lower cylinder end attached to a front wheel assembly and an upper rod end attached to a fork frame member whereby relative movement is accommodated between the wheel assembly and the fork frame member. A mud guard assembly includes a pair of elongate mud guard elements mounted on the cylinder and extending upwardly in front of the polished rod of the hydraulic cylinder. The mud guard elements move inside a pair of slots provided by a bracket attached to the fork frame member. Telescoping and untelescoping movement of the hydraulic shock absorbers causes the mud guard elements to reciprocate inside the slots. Edges provided by the slots scrape mud off the mud guard elements.



0) US2011113640A – CHASSIS GAUGE

37) Family number: 48910316 (US2011113640A) © PatBase

Title: CHASSIS GAUGE

Priority: US20090261354P 20091115 US20100943924 20101110 US20100962619 20101207

Family:

Publication number	Publication date	Application number	Application date
AU2010241366 AA	20110602	AU20100241366	20101111
US2011113640 AA	20110519	US20100943924	20101110
US2012110867 AA	20120510	US20100962619	20101207

Probable Assignee: MOLINA LOU

Assignee(s):(std)**:** MOLINA LOU

Assignee(s): LOU MOLINA

Inventor(s):(std)**:** MOLINA LOU

Inventor(s): LOU MOLINA

Agent(s): MOLINS AND CO; MOLINS AND CO PTY LTD

International class (IPC 8–9): G01B1/00 G01B3/20 G01B5/02 G01B5/255 G01D21/00 (Advanced/Invention)

CPC: G01B3/205 G01B5/0025 G01B5/255 G01B2210/18

European class: G01B3/20B G01B5/00H G01B5/255 S01B210/18

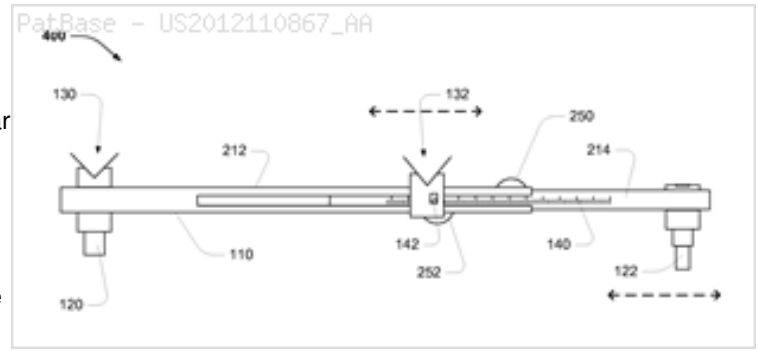
US class: 33/608 33/608P

Classification Explorer

Cited documents: US7874080 BA, US7275335 BB, US6769192 BB, US6675488 BB, US6598308 BA, US6240648 BA, US5507101 A, US5027524 A, US4939848 A, US4432144 A,

Forward Citations: US8793856, US8640353, US2012137760, GB2510103, EP2628681, EP2597417, CN103913101, CN102564264,

Abstract:
Source: US2011113640A A gauge device for assessing at least one alignment parameter associated with a motorcycle chassis. The motorcycle chassis having an axle shaft, a rear suspension swing arm and a pair of front fork suspension shock absorbers. The device comprising: an elongate member; a first locating element coupled to the elongate member and adapted to locate an axis of the axle shaft; a second locating element coupled to the elongate member and adapted to locate a rotation axis of the rear suspension swing arm; and a pair of alignment elements each coupled to the elongate member, each of the pair of alignment elements being adapted to locate an axis of a respective one of the front shock absorbers. A linear distance measurement element is coupled to the elongate member for indicating relative movement between elements. The device being adapted to assess at least three alignment parameters associated with a motorcycle chassis, the alignment parameter comprising: parallelism of front shock absorbers, rear axle alignment as indicated by distance between the axle shaft axis and the rotation axis of a rear suspension swing arm, and any one or more of rear suspension ride height, static sag and race sag.



0) US2016001841A – SADDLE TYPE VEHICLE

38) Family number: 61317733 (US2016001841A) © PatBase

Title: SADDLE TYPE VEHICLE

Priority: EP20140197200 20141210 JP20140136635 20140702

Family:

Publication number	Publication date	Application number	Application date
BR102015003279 A2	20160712	BR20151003279	20150213
DE602014002404 D1	20160804	DE201460002404T	20141210
EP2962923 A1	20160106	EP20140197200	20141210
EP2962923 B1	20160622	EP20140197200	20141210
ES2579174 T3	20160805	ES20140197200T	20141210
ID201606433 A	20161125	ID2015P0003053	20150522
IN00001KO2015 A	20160826	IN2015KO00001	20150101
JP2016013767 A2	20160128	JP20140136635	20140702
TH148265 A	20160401	TH20151000308	20150122
US2016001841 AA	20160107	US20140560030	20141204
US9233727 BA	20160112	US20140560030	20141204

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)**:** IMAMURA MITSUTOSHI

Inventor(s): IMAMURA MITSUTOSHI IWATA SHI ; MITSUTOSHI IMAMURA

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; UNGRIA JAVIER; DIPL LNG ROHALDY MULUK; SHINJYU GLOBAL IP; ONO YUKIO; KEATING AND BENNETT 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): B60K17/00 B62D25/18 B62J15/00 B62J15/02 B62J15/04 (Advanced/Invention); B62J15/00 (Core/Invention)

CPC: B62J15/04 B62J15/02 B62J15/00

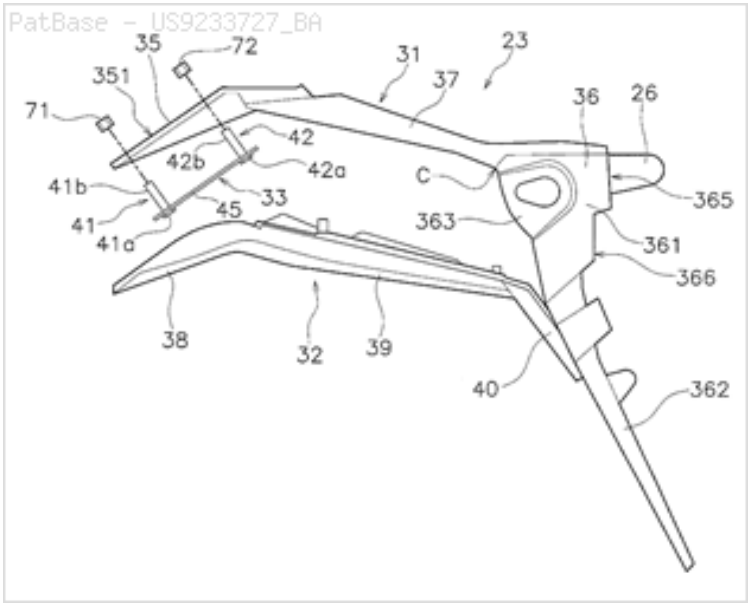
US class: 1/1 280/152.1

Classification Explorer

Cited documents: US8979132 BB, US8657317 BB, US8596400 BB, US8499878 BB, US8459393 BB, US8317212 BB, US8016308 BB, US8016307 BB, US7766355 BB, US7641238 BB, US750386 A, US7331593 BB, US6695330 BB, US6073948 A, US5961136 A, US4485884 A, US2013313861 AA, US2012188777 AA, US2012073893 AA, US2010194149 AA, US2010096825 AA, US2009079156 AA, US2009008893 AA, US2008308331 AA, US2007046016 AA, US2007045023 AA, US1034067 A, JP2011054335 A2,

Forward Citations: USD781193,

Abstract:
Source: US2016001841A In a saddle−type vehicle, a first mudguard member is made from resin, and a second mudguard member, made from resin, is a separate component from the first mudguard member. The second mudguard member is attached to the first mudguard member below the first mudguard member. A head of a bolt is sandwiched between the first mudguard member and the second mudguard member. A male screw of the bolt protrudes upward from the first mudguard member. A plurality of nuts, each mutually separate components, include a locking mechanism. The plurality of nuts are tightened onto the male screws of the bolts above an attaching portion to secure a mudguard unit to the attaching portion.



0) US4989665A – CASTING MOLD FOR A HOLLOW MEMBER

39) Family number: 30878320 (US4989665A) © PatBase

Title: Casting mold for a hollow member

Priority: JP19870321536 19871221 JP19880075721 19880329 JP19880277497 19881104 JP19880075722 19880329 JP19880124885 19880524 JP19880132573 19880601 US19920876912 19920430 US19900621883 19901204 US19880287062 19881221

Family:

Publication number	Publication date	Application number	Application date
BRPI8806783 A	19890829	BR1988PI06783	19881221
EP0322305 A2	19890628	EP19880403253	19881220
EP0322305 A3	19900822	EP19880403253	19881220
EP0322305 B1	19940406	EP19880403253	19881220
JP1247288 A2	19891003	JP19880075722	19880329
JP1254479 A2	19891011	JP19880132573	19880601
JP1297387 A2	19891130	JP19880124885	19880524
JP1317886 A2	19891222	JP19880277497	19881104
JP2706956 B2	19980128	JP19880277497	19881104
US4989665 A	19910205	US19880287062	19881221
US5375677 A	19941227	US19920876912	19920430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO EM INGLES HOND KK ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KABUSHIKI KAISHA EM INGLES HONDA MOTOR CO LTD ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** HORIIKE TAKEO ; KASHIWAGI HITOSHI ; MARUOKA SHIGEHIRO ; MATSUO YOSHIHIRO ; SUZUKI KEIJI ; TAKASAKI NORIMASA ; TERADA HIROHIKO ; YAMAGIWA TOSHIO

Inventor(s): TOSHIO YAMAGIWA ; TAKEO HORIIKE ; SHIGEHIRO MARUOKA ; KEIJI SUZUKI

Designated states: FR IT

International class (IPC 8–9)**:** B22C9/22 B62J15/00 B62K11/02 B62K11/04 B62K19/12 F16F15/04 G10K11/16 (Advanced/Invention); F16F15/04 G10K11/00 (Core/Invention)

International class (IPC 1–7)**:** B22C9/08 B22C9/22 B62J11/00 B62J15/00 B62K11/02 B62K11/04 F16F15/04 G10K11/16

CPC: B62K11/04 B62K19/12

European class: B62K11/04 B62K19/12

US class: 164/133 164/135 164/363 180/219 180/311 280/281.1 280/288.2 280/288.3

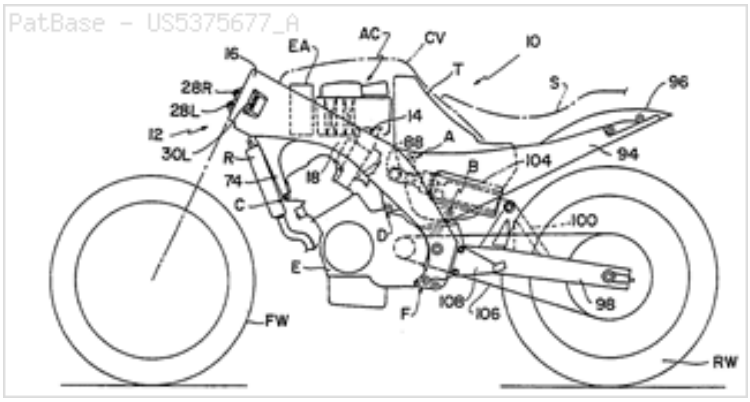
Classification Explorer

Cited documents: US4989665 A, US4887688 A, US4887687 A, US4852678 A, US4815555 A, US4727953 A, US4696363 A, US4694929 A, US4678054 A, US4585086 A, US1535245 A, JP6231576 A2, JP62096185 A2, JP62031576 A2, JP61291281 A2, JP61129383 A2, JP61036072 A2, JP61006084 A2, JP60176876 A2, JP59185545 A2, JP58111197, JP58016967 A2, JP56114553 A2, JP54118414 B4, JP1254479 A2, IT352652 A, GB2056360 A1, GB2006653 A1, FR2575718 A1, FR1530552 A, EP0322305 A2, EP0295799 A2, EP0207618 A2, DE728307 A,

Forward Citations: WO9929563, WO10024045, WO04035373, WO04020271, WO0078596, USD618596, USD600374, USD600373, USD567715, US9511813, US9327790, US9169444, US8550200, US8534407, US8297396, US8118127, US8079642, US8051938, US7980347, US7883101, US7861816, US7845450, US7779950, US7748746, US7726382, US7681680, US7669682, US7644796, US7621363, US7523800, US7497455, US7472772, US7383909, US7267193, US7258186, US7255191, US7232142, US7201246, US6979023, US6979014, US6889788, US6796030,

US6516913, US6446996, US6419273, US6416072, US6047786, US5385197, US5375677, US5263533, US2015158542, US2011278085, US2011073398, US2010193275, US2010096206, US2010096205, US2009194353, US2009021059, US2008190683, US2008169149, US2008169148, US2007175682, US2007108722, US2007102896, US2007056789, US2007012500, US2006290094, US2006197304, US2006196713, US2006037800, US2005103548, US2005092538, US2004206565, US2004178599, US2004159767, US2003227156, US2002050706, JP6286679, JP6191459, JP6060645, JP4698103, JP4516497, JP4516028, JP3539501, JP2014104812, JP2010069510, JP2010052554, JP2008207757, JP2007261587, JP2006273306, JP2006264673, JP2006232166, JP2005231549, FR2701660, FR2664227, ES2050563, EP2810862, EP2174861, EP2055618, EP2036807, EP2017173, EP1964759, EP1792674, EP1792674, EP1775208, EP1698548, EP1695898, EP1695898, EP1553013, EP1122160, EP1122160, EP1081037, EP1081037, EP0572058,

Abstract:
Source: US4989665A A casting mold is provided for a body frame for a motorcycle including a head pipe for supporting a rotary shaft for a handle, a pair of left and right main body frame elements, connected to the head pipe and extending rearwardly of a car body, a pair of left and right engine supporting members, connected to and extending downwardly from the main body frame elements adjacent to said head pipe, and a horizontally extending frame element connecting said left and right main body frame elements to each other at intermediate portions in the longitudinal direction. The engine is supported at least at a lower end portion of the left and right engine supporting members and intermediate portions in the longitudinal direction of the left and right main body frame elements and an upper end portion of a shock absorber is connected to the horizontally extending frame elements. A cast body frame is constructed of a light alloy and assembled by joining a leftward and a rightward divided block formed in shapes being vertically divided at the head pipe portion to each other. The main body frame elements are formed from a tubular member having a rectangular cross section wherein the widths of the opposite side walls are larger relative to the widths of upper and lower walls, and the widths of the side walls gradually vary from a front end portion connected to the head pipe to a rear end portion for forming at least a smaller area between the front end portion to the rear end portion.



0) TWI242515B – REAR FENDER FOR A MOTORCYCLE

40) Family number: 33460227 (TWI242515B) © PatBase

Title: REAR FENDER FOR A MOTORCYCLE

Priority: TW20030133378 20031127

Family:

Publication number	Publication date	Application number	Application date
TW200517290 A	20050601	TW20030133378	20031127
TWI242515 B	20051101	TW20030133378	20031127

Probable Assignee: YAMAHA MOTOR CO LTD

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

Assignee(s): YAMAHA MOTOR CO

Inventor(s):(std)**:** HSU HAN CHUAN ; PENG ZHI CHIN ; YAN SHENG XIAN

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

International class (IPC 1–7)**:** B62J15/00 B62J15/04

Classification Explorer

Abstract:
Source: TWI242515B This invention, providing a rear fender structure for a motorcycle, is presented to extremely effectively resolve the problem that when the motorcycle goes through a place of puddle, the cover side of the rear motorcycle and the rear passenger can be avoided to be showered or stained due to the splashed water or mud while the rear wheel being in the situation of forward high–speed rotation. This invention includes a rear fender, a fender stall boards equipped in the inner side of the aforementioned rear fender, where fender stall boards are nearly parallel to the rear fender and extended from one edge of the rear fender to the other edge of the rear fender. The characteristics of the invention are that fender stall boards are equipped in the inner side and at the bottom of the rear fender. By viewing from the side of the motorcycle, the angle between the rear fender and the ground are in the range of 70 DEG to 110 DEG, installed in the inner side of the rear fender.

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

41) 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)

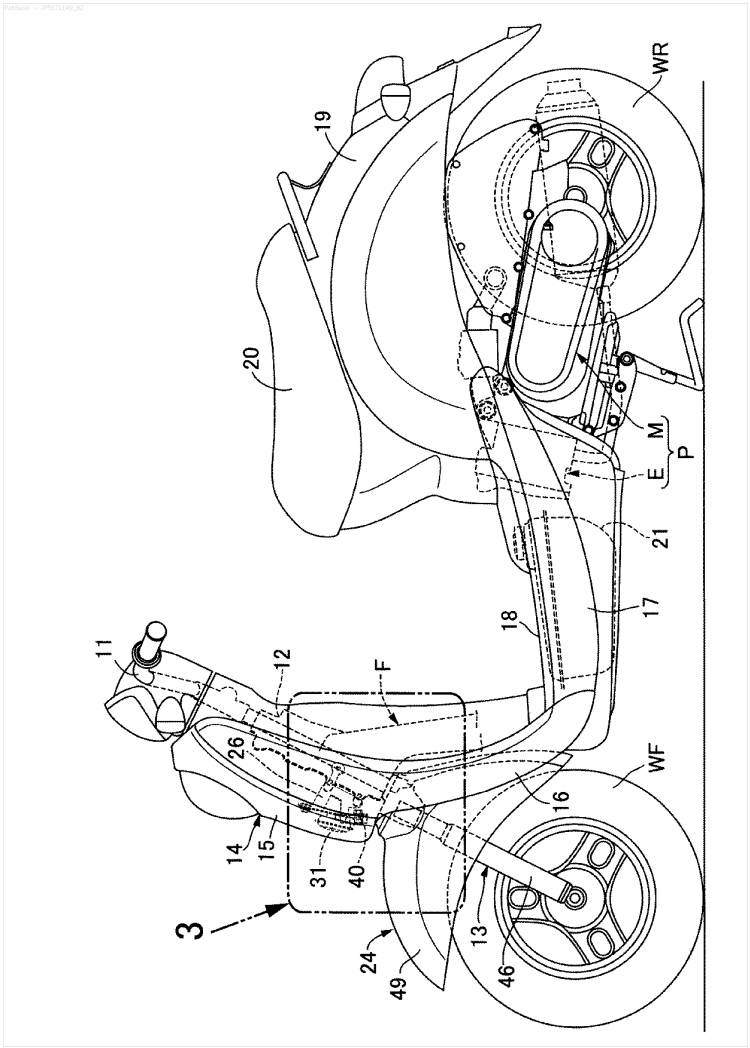
International class (IPC 1–7)**:** B62J015/00 B62J017/06 B62J099/00 B62J15/00 B62J17/00 B62J99/00 F02D11/10 G01P15/18

Classification Explorer

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

Forward Citations: JP2012091704, JP2011063195,

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 folk 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 frond 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.



0) US2008060863A – SHOCK ABSORBER, STRADDLE TYPE VEHICLE AND MANUF...

42) Family number: 41562847 (US2008060863A) © PatBase

Title: SHOCK ABSORBER, STRADDLE TYPE VEHICLE AND MANUFACTURING METHOD FOR SHOCK ABSORBER

Priority: JP20060236505 20060831 JP20070163032 20070620 JP20070223265 20070829

Family:

Publication number	Publication date	Application number	Application date
AT473911 E	20100715	AT20070253404T	20070829
DE602007007695 D1	20100826	DE200760007695T	20070829
EP1894830 A2	20080305	EP20070253404	20070829
EP1894830 A3	20080514	EP20070253404	20070829
EP1894830 B1	20100714	EP20070253404	20070829
JP2009023635 A2	20090205	JP20070223265	20070829
US2008060863 AA	20080313	US20070846129	20070828
US7976044 BB	20110712	US20070846129	20070828

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** IIZUKA TOSHIO

Agent(s): LAMB MARTIN JOHN CARSTAIRS; JONES DAY; KEATING AND BENNETT 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 MK MT NL PL PT RO RS SE SI SK TR YU

International class (IPC 8–9)**:** B62K21/00 B62K25/00 B62K25/08 F16F9/32 F16F9/38 F16F9/54 (Advanced/Invention); B62K25/06 F16F9/32 F16F9/54 (Core/Invention)

CPC: Y10T29/49611 B62K25/08 F16F9/3235 F16F2226/02 F16F2230/02

European class: B62K25/08 F16F9/32B5 R16F226/02 R16F230/02

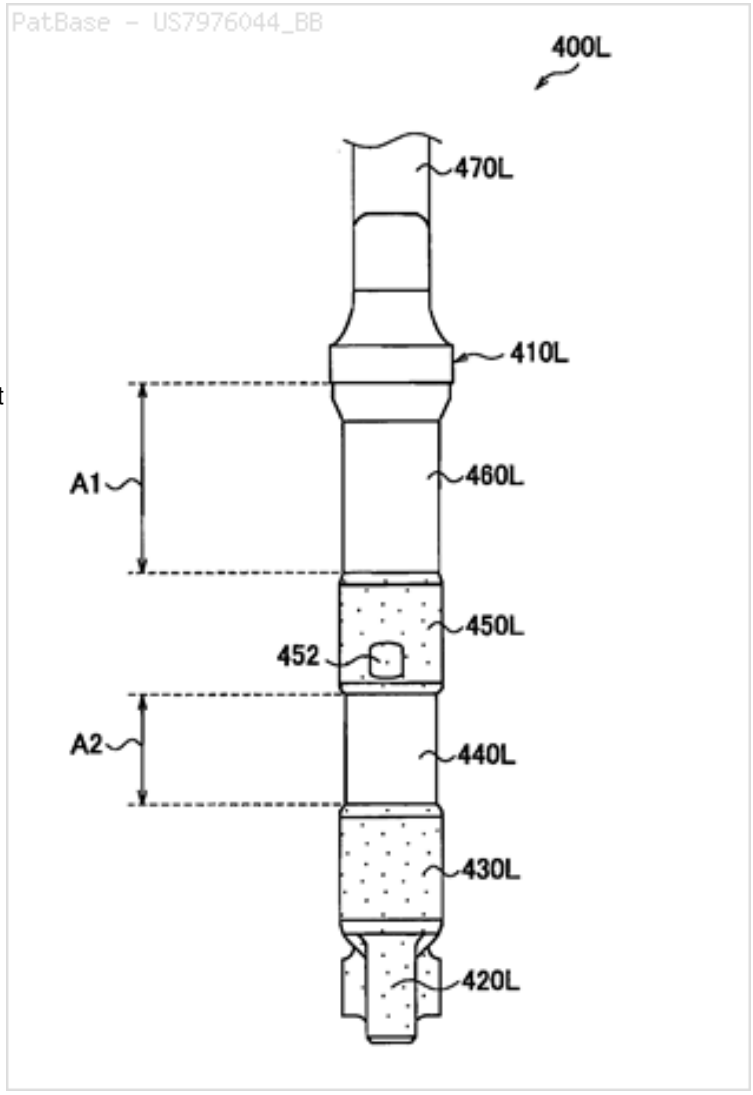
US class: 180/219 188/322.19 188/322.190S 280/276 280/279 280/284 29/896.91 29/896.910S

Classification Explorer

Cited documents: US7185905 BB, US7185905 B1, US7178820 BB, US7178820 B1, US6607185 BB, US6036212 A, US5954355 A, US5908200 A, US5323869 A, US4625985 A, US4278266 A, US4260170 A, US4138132 A, US2005051993 AA, US2004201145 AA, JP6270875 A2, JP61186500 A2, JP2005282589 A2, DE2721798 A1,

DE202005002541 U1

Abstract:
Source: US2008060863A A shock absorber is provided having an exterior that looks like a two−piece structure formed with an outer tube and a separate bracket without using the separate bracket. Also provided is a straddle type vehicle having a shock absorber and a manufacturing method for the shock absorber. The shock absorber comprises a cylindrical outer tube, wherein the outer tube includes a first cylindrical part, and a second cylindrical part having an outer surface roughness greater than the outer surface roughness of the first part. The first part and the second part are adjacent each other in a longitudinal direction of the outer tube, and the second part has an equipment attaching section adapted for attaching a piece of equipment.



0) EP1958860A2 – MOTORCYCLE WITH AN AIR DUCT MEMBER MOTORRAD MI...

43) Family number: 42105249 (EP1958860A2) © PatBase

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 SEIJIC 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 (IPC 8–9)**:** B60K11/04 B62J17/00 B62J17/02 B62J39/00 B62J99/00 (Advanced/Invention); 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.

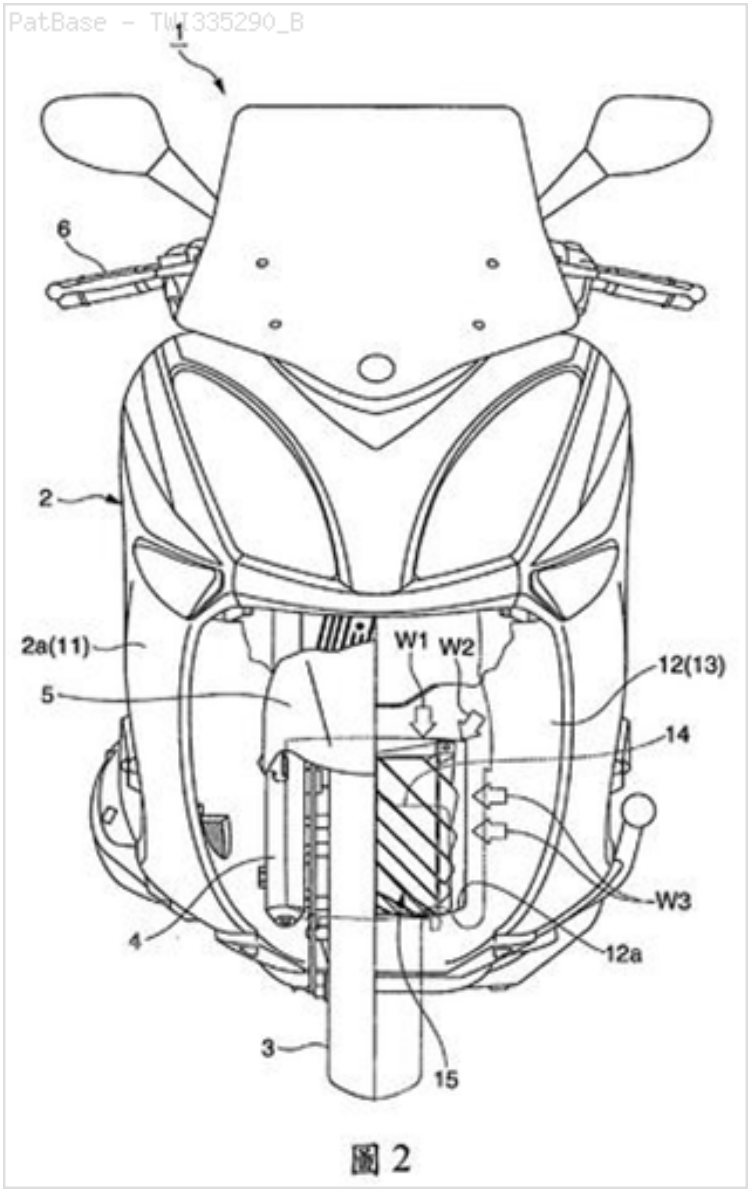


圖 2

0) JP2013075586A – REAR LAMP STRUCTURE OF MOTORCYCLE

44) Family number: 53505954 (JP2013075586A) © PatBase

Title: REAR LAMP STRUCTURE OF MOTORCYCLE

Priority: JP20110215749 20110929

Family:

Publication number	Publication date	Application number	Application date
CN103029772 A	20130410	CN201210364107	20120926
CN103029772 B	20141224	CN201210364107	20120926
IN03992CH2012 A	20140124	IN2012CH03992	20120926
JP2013075586 A2	20130425	JP20110215749	20110929
JP5592859 B2	20140917	JP20110215749	20110929
TH127878 A	20130925	TH20121003858	20120730

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** OGITANI KANICHIRO ; OUGIYA KANICHIRO ; TAKISAWA KOTA ; TAKIZAWA KOTA

Inventor(s): OGIYA KANICHIRO

International class (IPC 8–9): B62J15/00 B62J23/00 B62J6/04 F21V (Advanced/Invention); B62M9/08 (Core/Invention)

Classification Explorer

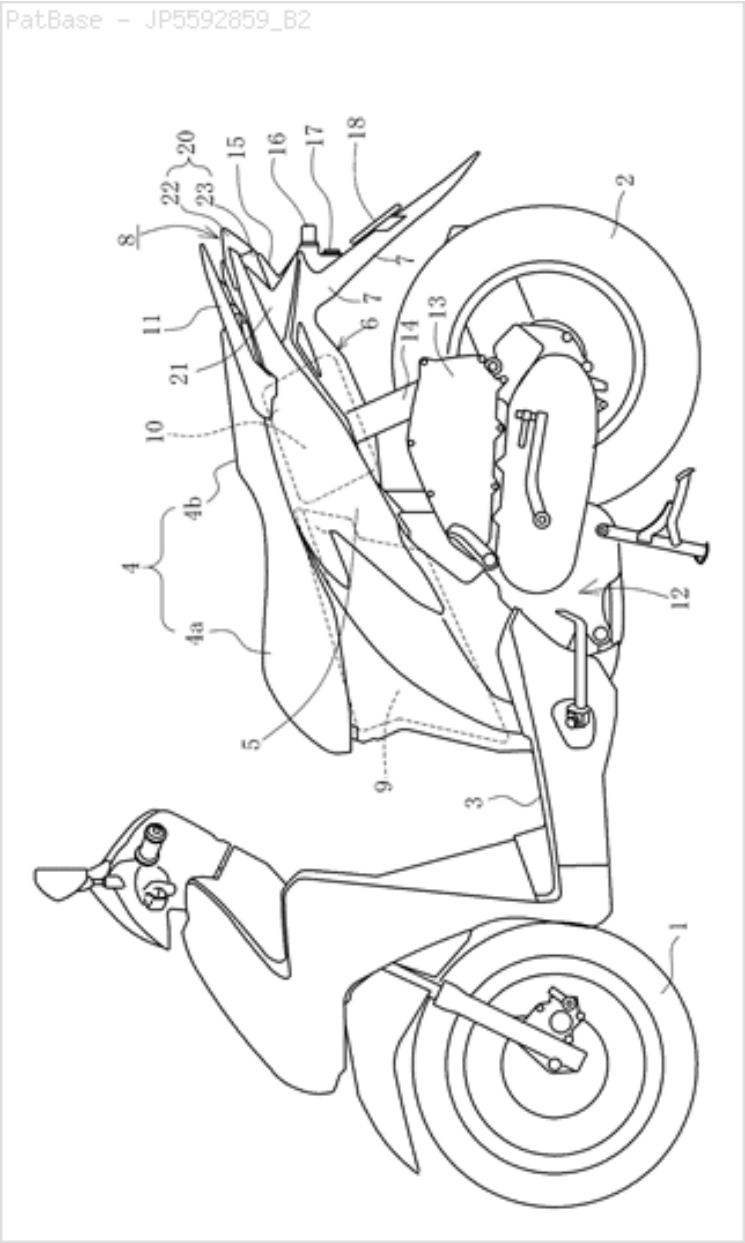
Cited documents: US7073618 BA, US6099151 A, US2001027888 AA, JP8026163 A2, JP62076784 U1, JP62076784 U, JP2011054335 A2, JP2010215215 A2, JP2009056902 A2, JP2008126708 A2, EP1790557 A1,

DE102009060429 A1

CN101007553 A,

Forward Citations: JP2015067084, CN104097717,

Abstract:
Source: JP2013075586A PROBLEM TO BE SOLVED: To facilitate maintenance of a rear combination lamp disposed in an upper part of a rear fender.SOLUTION: A rear fender 6 includes a rear combination lamp 8 disposed at a rear end, and a drooping part 7 formed below. A maintenance opening 25 is formed from the rear combination lamp 8 to the drooping part 7, and is opened and closed by a maintenance lid 15. The drooping part 7 has a maintenance recess 27 which forms a part of the maintenance opening 25 and is recessed forward, and leads to a maintenance space 32 formed above inside the rear combination lamp 8. A hand 60 is inserted into the maintenance opening 25 from the rear of the vehicle after the maintenance lid 15 is removed, an arm is inserted into the maintenance recess 27 to extend obliquely upward, the hand 60 is inserted into the maintenance space 32, and a wrist 61 is bent to turn a socket 22b for replacing a bulb. A bending angle of the wrist 61 is reduced, thereby enabling easy replacement.



0) JP2003341572A – MUD GUARD STRUCTURE IN SCOOTER TYPE VEHICLE

45) Family number: 30086635 (JP2003341572A) © PatBase

Title: MUD GUARD STRUCTURE IN SCOOTER TYPE VEHICLE

Priority: JP20020151391 20020524

Family:

Publication number	Publication date	Application number	Application date
CN1254401 C	20060503	CN20031019811	20030228
CN1460621 A	20031210	CN20031019811	20030228
ES2249085 AA	20060316	ES20030001123	20030514
ES2249085 BA	20070601	ES20030001123	20030514
IN00442MU2003 A	20050211	IN2003MU00442	20030505
IN236997 B	20091204	IN2003MU00442	20030505
ITTO20030355 A1	20031125	IT2003TO00355	20030516
JP2003341572 A2	20031203	JP20020151391	20020524
JP4116823 B2	20080709	JP20020151391	20020524
TH40475 B	20140618	TH20031001736	20030512
TH59917 A	20031212	TH20031001736	20030512
TW200400895 A	20040116	TW20030109917	20030428
TW593042 B	20040621	TW20030109917	20030428

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)**:** KAKEMIZU KENICHIRO ; KATSU TOMIYASU ; KAZUNORI KAWAME ; KAZUNORI YANO KENGO TOMIYASU K ; TOMIYASU KEN ; KENGO YANO ; YANO KENGO ; TOMIYASU TAKESHI ; KAWAME KAZUNORI

Inventor(s): TOMIYASU KATSU ; YANO KENGO TOMIYASU KATSU KAWAME KAZUNORI ; KEN TOMIYASU

International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J37/00 B62J9/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J23/00 B62J37/00 B62J9/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J23/00 B62J37/00 B62J39/00 B62J9/00

CPC: B62J15/00 B62J23/00 B62J37/00

European class: B62J15/00 B62J23/00 B62J37/00

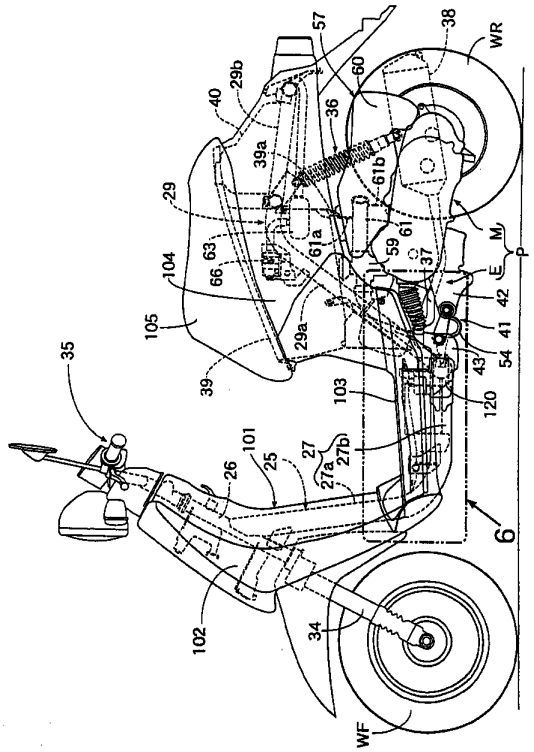
Classification Explorer

Cited documents: US4726439 A, JP2002331977 A2, JP10218058 A2, JP10007058 A2, ES2146512 BA, ES2113790 AA,

Forward Citations: JP4520404, JP2007120486, CN101987641, CN101987641,

Abstract:
Source: JP2003341572A PROBLEM TO BE SOLVED: To provide a mud guard structure for preventing muddy water or the like splashed by a rear wheel from impinging on an engine while decreasing the number of parts and reducing the assembling work man–hour in a scooter type vehicle in which a power unit is supported to rock up and down by a car body frame, and a storage box is disposed between the power unit and a seat disposed above it with an upper end opening part closed by the seat. SOLUTION: An intake system 57 including an air cleaner 60 and a connecting tube 61 connecting between carburetors is disposed between the engine and the storage box 39. A rising wall 61a provided integrally on the upper part of the connecting tube 61 and projected upward and a suspending wall 39a provided integrally on the lower part of the storage box 39 and suspended downward are disposed to overlap each other in the longitudinal direction so that a labyrinth 62 for preventing muddy water or the like splashed by the rear wheel from entering in a part ahead of the connecting tube 61 is formed between the rising wall 61a and the suspending wall 39a.

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第 1 圖

0) JP2007106221A – MOTORCYCLE EQUIPPED WITH PILLION STEP AND MUDGU...

46) Family number: 34511574 (JP2007106221A) © PatBase

Title: MOTORCYCLE EQUIPPED WITH PILLION STEP AND MUDGUARD

Priority: JP20050298077 20051012

Family:

Publication number	Publication date	Application number	Application date
BRPI0604248 A	20070821	BR2006PI04248	20061010
CN100478244 C	20090415	CN200610142348	20061010
CN1948077 A	20070418	CN200610142348	20061010
IN02068DE2006 A	20070803	IN2006DE02068	20060920
IN267433 B	20150724	IN2006DE02068	20060920
JP2007106221 A2	20070426	JP20050298077	20051012
JP4573745 B2	20101104	JP20050298077	20051012
TH37480 B	20131010	TH20061004640	20060921
TH87024 A	20071010	TH20061004640	20060921
VN6778 A1	20080225	VN20060001553	20060921

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** IKEDA TSUGIO ; TSUGIO IKEDA

International class (IPC 8–9)**:** B62J13/04 B62J15/00 B62J17/00 B62J23/00 B62J25/00 B62J27/00 B62K11/00 B62M9/04 (Advanced/Invention) ; B62J15/00 B62J17/00 B62J23/00 B62J25/00 B62J27/00 B62K11/00 (Core/Invention)

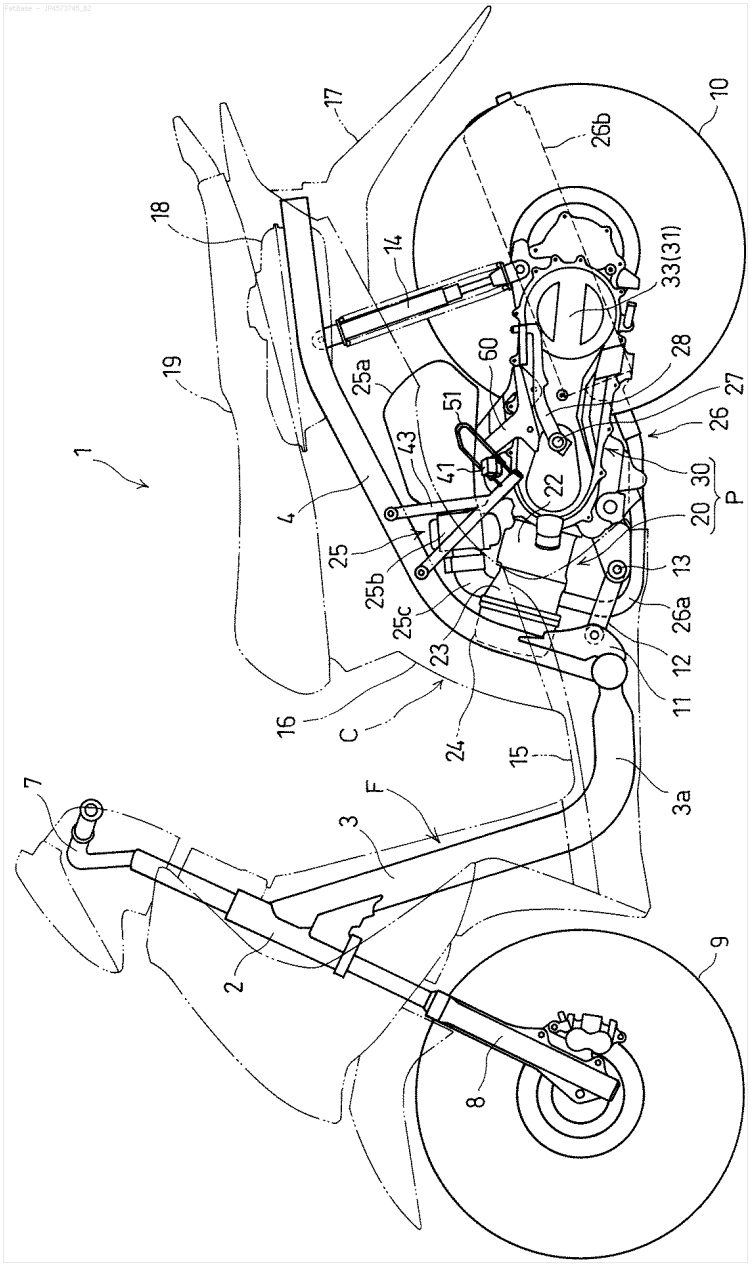
International class (IPC 1–7)**:** B62J13/04 B62J15/00 B62J25/00 B62L1/00 B62M9/04

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Forward Citations: JP2014162335, EP2159142, CN104743013, CN103444292, CN102795280, CN102582727, CN102582727, CN102039963,

Abstract:
Source: JP2007106221A PROBLEM TO BE SOLVED: To provide a motorcycle equipped with a power unit and a pillion step and free to miniaturize and lighten a mudguard and a heel guard against mud water, etc. splashed back by the power unit. SOLUTION: This motorcycle is equipped with the power unit P, the pillion step 41, the heel guard 51 arranged inside from the pillion step 41 and the mud guard 60 constituted of a separate member of the heel guard 51. The mudguard 60 is mounted on the power unit P, arranged between the heel guard 51 and a rear wheel and prevents the mud water, etc. scattered from the rotating rear wheel, splashed back by the power unit P and wetting feet on the pillion step 41.



0) CN202608957U – FIXING STRUCTURE OF MOTORCYCLE FRONT FENDER

47) Family number: 52617063 (CN202608957U) © PatBase

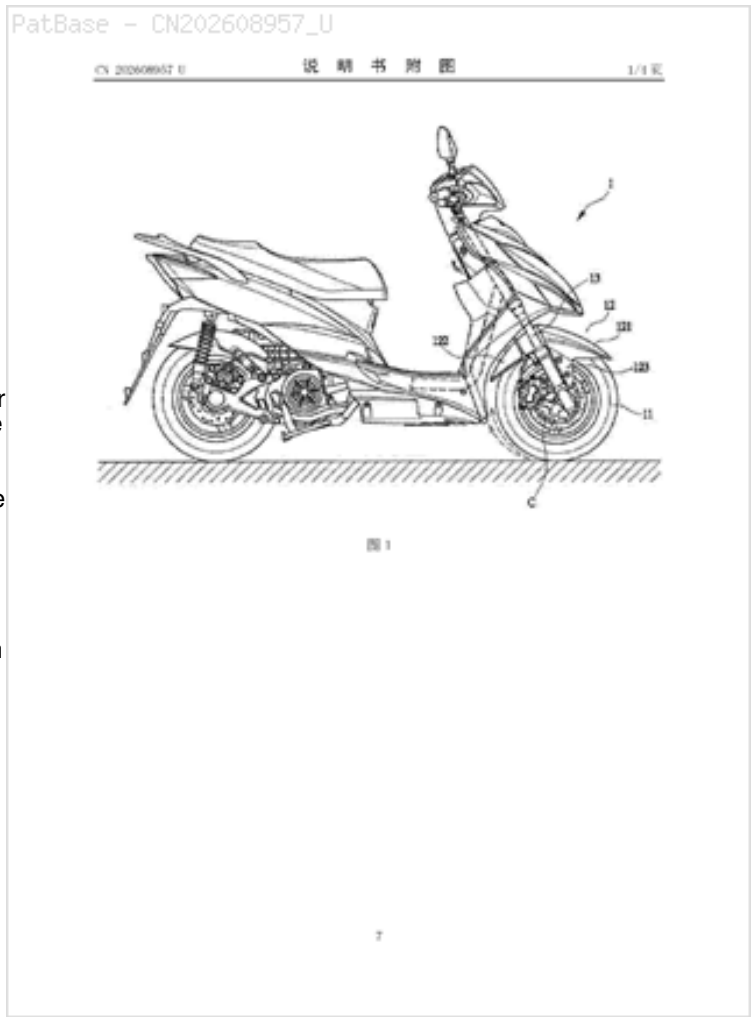
Title:	FIXING STRUCTURE OF MOTORCYCLE FRONT FENDER
Priority:	CN201220230551U 20120522

Family:

Publication number	Publication date	Application number	Application date
CN202608957 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 (IPC 8–9):	B62J15/00 B62J15/02 (Advanced/Invention)

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.

0) EP1892165A1 – MOTORCYCLE MOTORRAD MOTOCYCLETTE

48) Family number: 41518118 (EP1892165A1) © PatBase

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

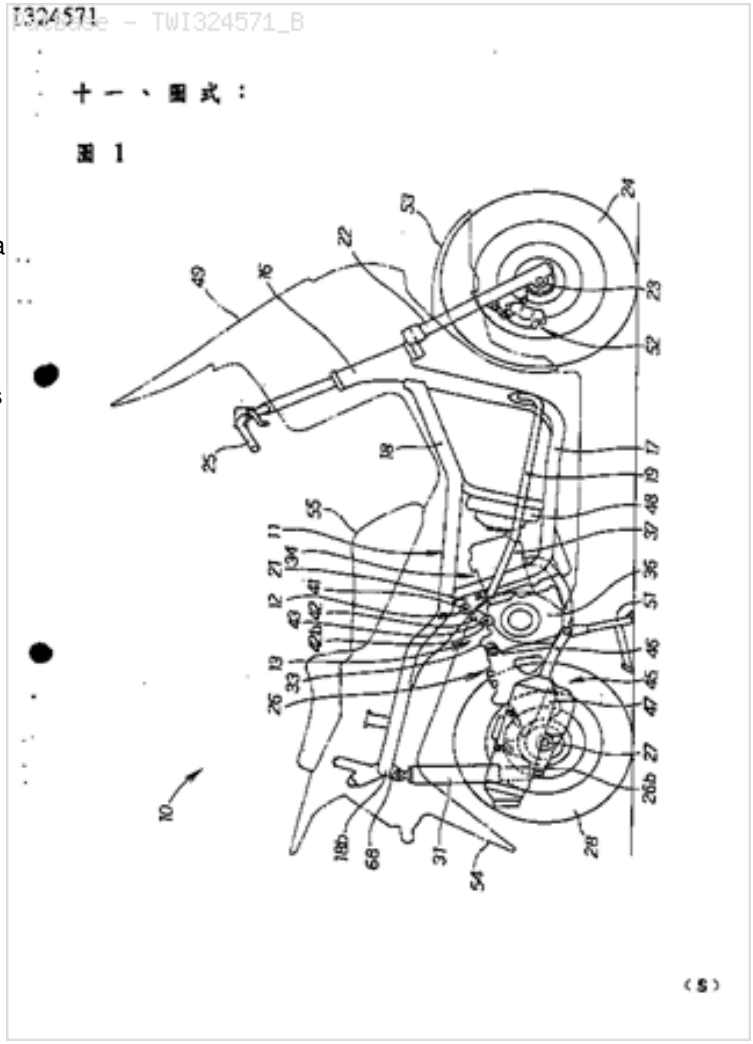
European class: B60T8/32D18 B62K19/30 B62K25/28B L62K202/00

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).



0) US5275427A – FENDER

49) Family number: 13479075 (US5275427A) © PatBase

Title: Fender

Priority: IT1991BA00024 19910717 IT1991BZ00024 19910717

Family:

Publication number	Publication date	Application number	Application date
EP0523811 A1	19930120	EP19920202184	19920716
IT1253332 B	19950724	IT1991BZ00024	19910717
ITBZ910024 A0	19910717	IT1991BZ00024	19910717
ITBZ910024 A1	19930118	IT1991BZ00024	19910717
US5275427 A	19940104	US19920914264	19920715

Probable Assignee: GASSER KARL

Assignee(s):(std)**:** GASSER KARL

Inventor(s):(std)**:** GASSER KARL

Designated states: AT BE CH DE DK ES FR GB GR LI NL PT SE

International class (IPC 8–9)**:** B62J15/00 (Advanced/Invention); B62J15/00 (Core/Invention); B62D (Subclass/Invention)

International class (IPC 1–7)**:** B62D B62D25/16 B62J15/00

CPC: B62J15/00

European class: B62J15/00

US class: 280/152.3 280/852

Classification Explorer

Cited documents: WO8904271 A1, US5121935 A, US5120073 A, US4319763 A, FR621079 A, DE64912 A, CH201809 A,

Forward Citations: WO9506583, WO9506583, WO16024091, US7976041, US7431316, US6913274, US6634664, US5868411, US5562296, US2016059921, US2010164195, US2007085296, US2004227323, DE10032726, CN104816773,

Abstract:
Source: US5275427A Fender in particular for bicycles and motorcycles and designed to be fixed to the fork (3,25) and to be curved to surround at a distance the wheel (4) for a certain segment so as to prevent the projection of water and mud caused by rolling of the wheel on the ground from reaching the user of the bicycle or motorcycle. In accordance with the present invention the fender consists of an air tube (17,29) of inflatable material, a support (6,26) to which is fixed one end of the air tube (17,29), fixing means (13,14) designed to fix the support support (6,26) to the fork (3,25) of the bicycle or motorcycle and suitable means for inflating the air tube (17,29).

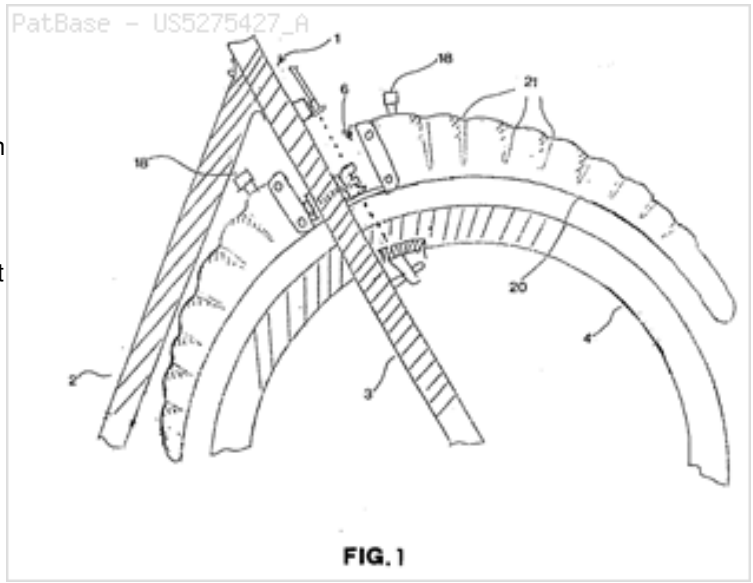


FIG. 1

0) JP2001310780A – FRONT FENDER STRUCTURE FOR SCOOTER TYPE MOTORCY...

50) Family number: 15941644 (JP2001310780A) © PatBase

Title: FRONT FENDER STRUCTURE FOR SCOOTER TYPE MOTORCYCLE

Priority: JP20000129247 20000428

Family:

Publication number	Publication date	Application number	Application date
JP2001310780 A2	20011106	JP20000129247	20000428
TW461863 B	20011101	TW20000109074	20000512

Probable Assignee: TAIWAN SANYO KISHA KOGYO KOFUN

Assignee(s):(std)**:** TAIWAN SANYO HATSUDOKI KENKYU ; TAIWAN SANYO KISHA KOGYO KOFUN ; TAIWAN YAMAHA MOTOR RES AND ; YAMAHA MOTOR TAIWAN CO LTD ; TAIWAN YAMAHA MOTOR RES AND AMP

Assignee(s): TAIWAN YAMAHA MOTOR RESEARCH AND DEVELOPMENT CENTER CO LTD ; DEVELOPMENT CENTER CO LTD ; TAIWAN YAMAHA MOTOR RESEARCH AND ; TAIWAN YAMAHA MOTOR RESEARCH AND DEVELOPMENT CENTE ; TAIWAN YAMAHA MOTOR RESEARCH AND DEVELOPMENT CEN ; TAIWAN SANYO KISHA KOGYO KOFUN YUGENKOSHI ; TAIWAN SANYO HATSUDOKI KENKYU KAIHATSU CHUSHIN KOF ; TAIWAN SANYO HATSUDOKI KENKYU KAIHATSU CHUSHIN KOFUN YUGENKOSHI

Inventor(s):(std)**:** YO MEIJUN ; YAU MING SHUEN ; JANG MAU SHENG ; CHO MOSEI

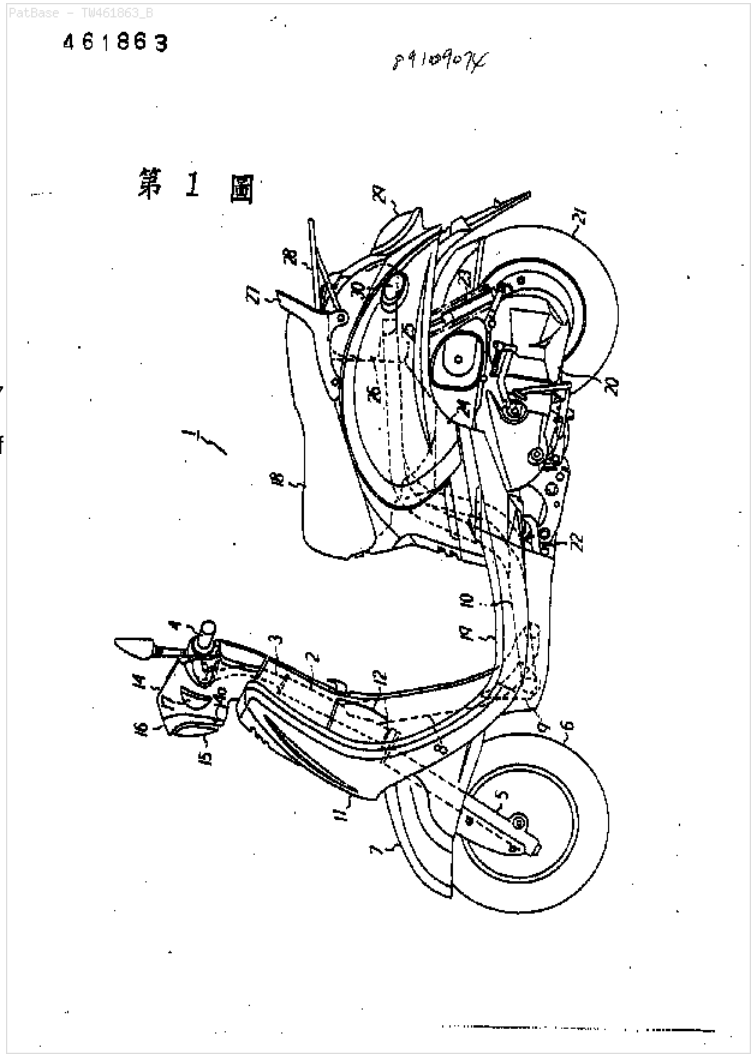
Agent(s): HARUKA PATENT AND TRADEMARK ATTORNEYS

International class (IPC 8–9): B62J15/00 B62J15/02 B62J15/04 (Advanced/Invention) ; B62J15/00 (Core/Invention)

International class (IPC 1–7): B62J15/00 B62J15/02 B62J15/04

Classification Explorer

Abstract:
Source: JP2001310780A PROBLEM TO BE SOLVED: To provide a front fender structure for a scooter type motorcycle capable of preventing generation of vibration or noise at the front fender by improving rigidity of the front fender.SOLUTION: In the scooter type motorcycle equipped with the front fender 7 made of resin for covering an upper part of a front wheel held around an axis rotatably at a lower end part of a front fork, a reinforcing member 31 made of metal is disposed along an inner surface of the front fender 7. In such front fender structure for the scooter type motorcycle, the vibration or the noise is prevented to be generated at the front fender 7 because the rigidity of the front fender 7 is improved by the reinforcing member 3 made of metal disposed along the inner surface of the front fender 7.



0) JP2002029475A – REAR FENDER FOR MOTORCYCLE

51) Family number: 23158880 (JP2002029475A) © PatBase

Title: REAR FENDER FOR MOTORCYCLE

Priority: JP20000214770 20000714 JP20090148114 20090622 JP20090148117 20090622

Family:

Publication number	Publication date	Application number	Application date
JP2002029475 A2	20020129	JP20000214770	20000714
JP2009208773 A2	20090917	JP20090148114	20090622
JP2009208774 A2	20090917	JP20090148117	20090622
JP4584422 B2	20101124	JP20000214770	20000714
JP4929313 B2	20120509	JP20090148117	20090622
JP4970500 B2	20120704	JP20090148114	20090622

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)**:** KANO YASUNOBU

Agent(s): HARUKA PATENT AND TRADEMARK ATTORNEYS

International class (IPC 8–9)**:** B62J1/14 B62J15/00 B62J23/00 B62J6/00 B62J6/04 B62J99/00 (Advanced/Invention); B62J1/00 B62J15/00 B62J23/00 B62J6/00 B62J99/00 (Core/Invention)

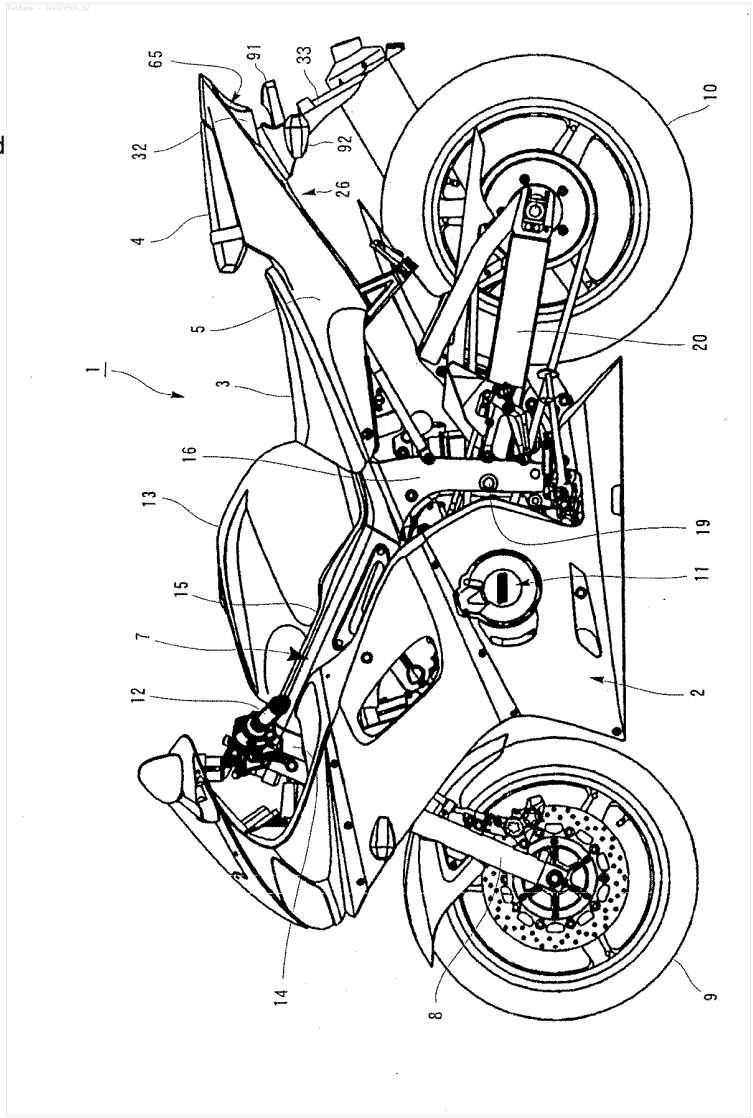
International class (IPC 1–7)**:** B62J15/00 B62J23/00

Classification Explorer

Cited documents: JPS6397478, JPS63137089, JPS62146690 U, JPS6187185, JPS6046390 U, JP8268359 A2, JP8026160 A2, JP7288007 A2, JP6397478, JP63137089 U, JP63137089 A2, JP63097478 A2, JP6298145 A2, JP6255550 A2, JP6234383 A2, JP62216881 A2, JP62146690 U, JP62146690 U, JP6187185 U, JP61087185 U1, JP61087185 U, JP61087185 A2, JP6046390 U, JP60046390 U1, JP59193789 U1, JP59193789 u1, JP59193789 U, JP59031585 U1, JP59031585 u1, JP59031585 U, JP59000383 u1, JP59000383 U, JP5213250 A2, JP4345585 A2, JP4224487 A2, JP3065483 A2, JP11263258 A2, JP11263258, JP1086869, JP10297569 A2, JP10297569, JP10086869 A2, JP08268359, JP07288007, JP06255550, JP05213250, JP04345585, JP04224487,

Forward Citations: WO11104748, US8905419, US8499878, US8016308, JP5658882, JP5307288, JP2011156886, JP2006069300, EP2719609, EP2703267, EP2011726,

Abstract:
Source: JP2002029475A PROBLEM TO BE SOLVED: To provide a rear fender for a motorcycle allowing appearance from the rear view to be improved. SOLUTION: A rear fender 26 disposed between seats 3 and 4 and a rear wheel 10 comprises a fender plate 32 and a mud guard 33. The fender plate 32 faces to the rear wheel 10, and its outer edge connects to the lower edge of a side cover 5. The mud guard 33 is separated from the fender plate 32, is mounted on the lower surface of the fender plate 32, extends back and downwardly, and has a mounting seat 81 of a license plate. Width directional size of each component is determined so that the outer edge of the fender plate 32 passes through outside of the outer edge of the mud guard 33 in the rear view.



0) CN206031608U – A MOTORCYCLE ADJUSTABLE FRONT FENDER STRUCTURE ...

52) Family number: 65244316 (CN206031608U) © PatBase

Title: A motorcycle adjustable front fender structure (Machine translation)

Priority: CN201620648039U 20160623

Family:

Publication number	Publication date	Application number	Application date
CN206031608 U	20170322	CN201620648039U	20160623

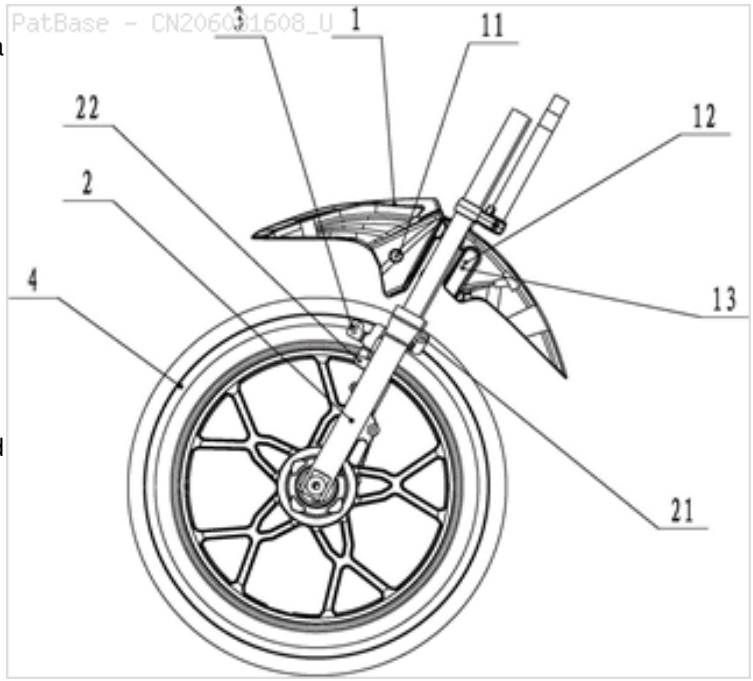
Probable Assignee: HESHAN GUOJI WINSOR MOTORCYCLE IND CO LTD

Assignee(s): HESHAN GUOJI WINSOR MOTORCYCLE IND CO LTD

International class (IPC 8–9): B62J15/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN206031608U The utility disclosed a motorcycle adjustable front fender structure, including the front fenders, left and right brackets as well as the left and right front shock absorber, front fender ends can be adjusted up and down the fender mounted in the bracket mounting holes and mounting holes on. This practical new can through regulation Qian fender in bracket Shang of upper and lower installation location, to Regulation Qian fender and front wheel Zhijian of distance, makes motorcycle exercise to road poor, and mud more of lots Shi, can through adjustment Qian fender of installation location, to raised Qian fender and front wheel of distance, convenient chunks of mud through, avoid Qian fender easy was mud card died or was squeeze burst, greatly improve has using of convenience sex, while Dang road better Shi can will Qian fender adjustable low, this practical new structure simple, Front fender adjustments quick and easy.



0) JP10086870A – REAR FENDER STRUCTURE FOR MOTORCYCLE

53) Family number: 14337073 (JP10086870A) © PatBase

Title: REAR FENDER STRUCTURE FOR MOTORCYCLE

Priority: JP19960267674 19960919

Family:

Publication number	Publication date	Application number	Application date
JP10086870 A2	19980407	JP19960267674	19960919
JP3734316 B1	20060111	JP19960267674	19960919
JP3734316 B2	20060111	JP19960267674	19960919
TW403707 B	20000901	TW19980103121	19980304

Probable Assignee: YAMAHA MOTOR CO LTD

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

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

Inventor(s):(std)**:** MAEDA SHU

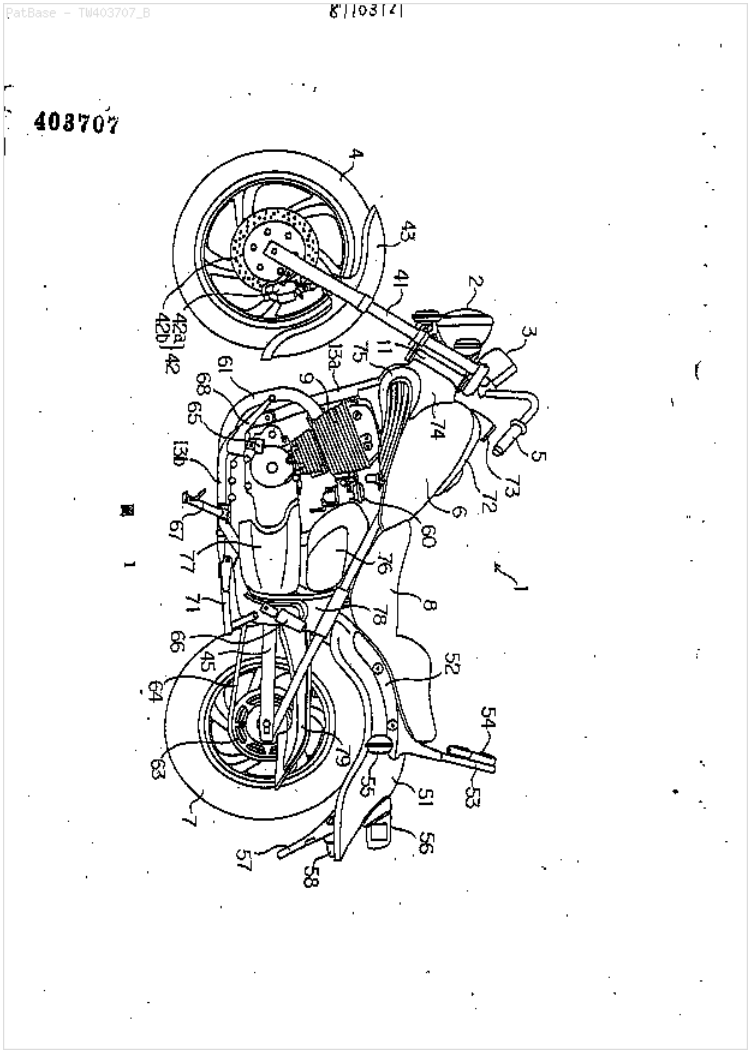
International class (IPC 8–9)**:** B62J15/00 B62J15/04 B62J99/00 (Advanced/Invention); B62J15/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J15/04 B62J39/00

Classification Explorer

Forward Citations: JP2009190609, JP2007290641, CN102556229,

Abstract:
Source: JP10086870A PROBLEM TO BE SOLVED: To provide a rear fender structure for a motorcycle by which rigidity of the rear fender is increased, its mud avoiding function is improved, deterioration of a vehicle handling characteristic or a riding posture of a fellow rider due to disturbance by a vehicle body frame is prevented, disturbance of a streamline shape around the rear fender is avoided, and a standing operation is easily carried out without protruding a vehicle body frame in a standing handle part outward. SOLUTION: In a motorcycle in which a rear fender 51 is fixed to a pair of left and right vehicle body frames 17 arranged on both vehicle body sides below a seat 8, the lower edge part of the rear fender 51 is formed into a skirt part 51b whose width is extended further than a tire house part 51a in the rear fender 51, while above the skirt part 51b in the rear fender 51, each of the pair of left and right vehicle body frames 17 is arranged on the inside of the vehicle body as against the outside edge of the skirt part 51a.



0) US4401316A – FRONT SUSPENSION FOR MOTOCYCLE

54) Family number: 29829439 (US4401316A) © PatBase

Title: Front suspension for motocycle

Priority:

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

Family:

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

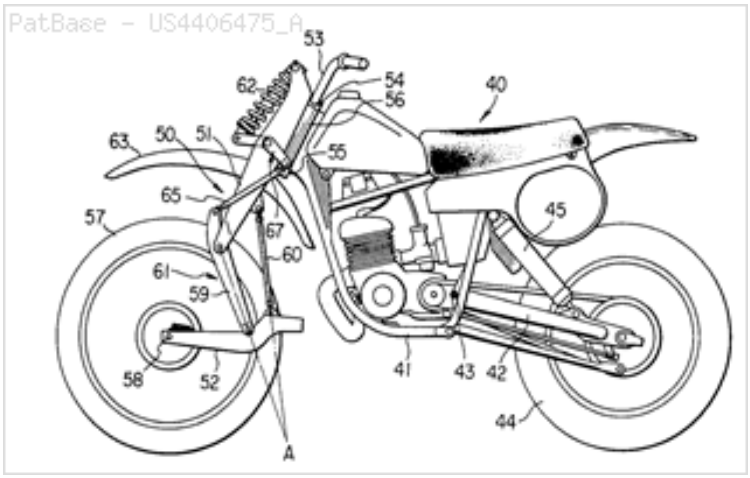
Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s):

	ISONO TOKIO ; MIYAKOSHI SHINICHI ; 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 (IPC 8–9):	B62K25/12 B62K25/16 B62K25/18 B62K25/24 (Advanced/Invention); B62K25/04 (Core/Invention)
International class (IPC 1–7):	B62K25/04 B62K25/12 B62K25/16 B62K25/18 B62K25/24
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	
Cited documents:	US4212481 A, US4171729 A, US4058181 A, US4016945 A, US3977697 A, US3907332 A, US1042480 A, JP5470535, JP54070535 A2, GB720093 A, GB712714 A, GB327562 A, GB256784 A, GB223638 A, GB2087326 A1, GB2087325 A1, GB160139 A, GB1425815 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) CN204548323U – BRACKET FENDER INSTALLATION BEHIND MOTORCYCLE S...

55) Family number: 59648101 (CN204548323U) © PatBase

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 ZHENGDONG

International class (IPC 8–9): B62J15/04 B62J25/00 (Advanced/Invention)

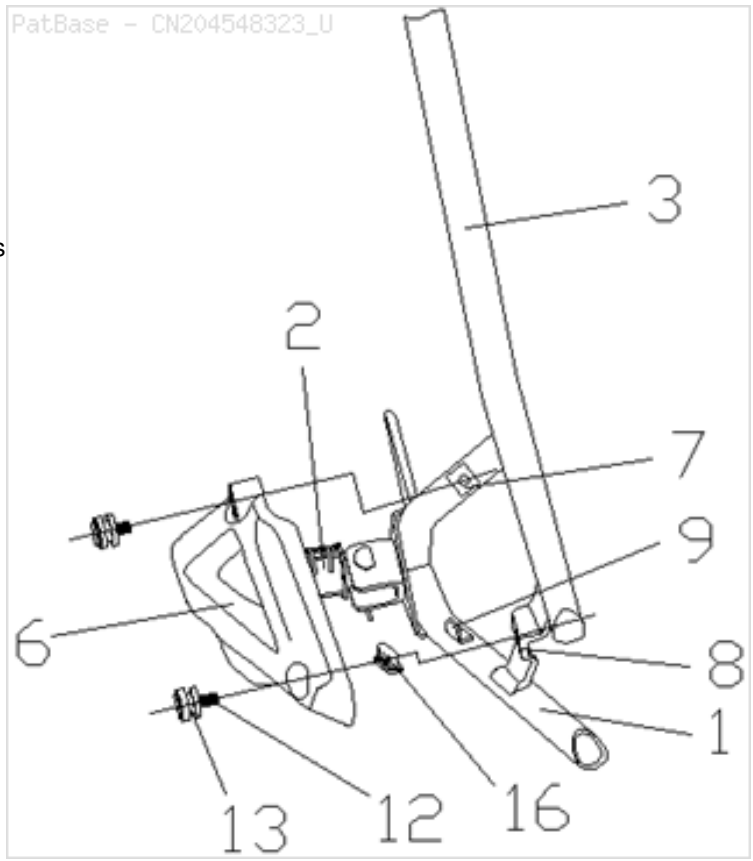
CPC: B62J25/00 B62J15/02

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 erectting 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) CN204979005U – MOTORCYCLE REAR FENDER SUPPORT ASSEMBLY

56) Family number: 61038634 (CN204979005U) © PatBase

Title: MOTORCYCLE REAR FENDER SUPPORT ASSEMBLY

Priority: CN201510443027 20150724 CN201520544359U 20150724

Family:

Publication number	Publication date	Application number	Application date
CN105128991 A	20151209	CN201510443027	20150724
CN204979005 U	20160120	CN201520544359U	20150724

Probable Assignee: CHONGQING LONGXIN ENGINE CO

Assignee(s):(std)**:** CHONGQING LONCIN LOCOMOTIVE CO LTD ; CHONGQING LONGXIN ENGINE CO ; CHONGQING LONGXIN ENGINE CO LTD

Inventor(s):(std)**:** GAN SONGTAO ; HOU JUNHUI ; JIANG DONGEN ; LI XIAOHONG ; LI XIAOJUN ; TAN YONGCHUAN

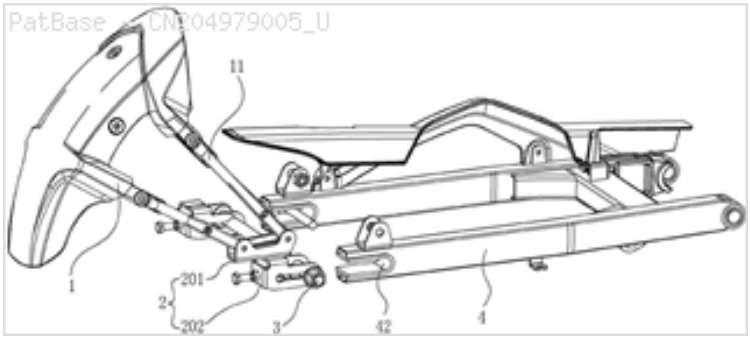
International class (IPC 8–9): B62J15/00 B62J15/02 (Advanced/Invention)

Classification Explorer

Cited documents: US2001027888 AA, CN204979005 U, CN203332290 U, CN201646975 U,

Forward Citations: CN105128991,

Abstract:
Source: CN204979005U The utility model discloses a motorcycle rear fender support assembly, including rear fender support subject, connect stop gear, trailing axle, chain stay, wherein rear fender support subject includes two spliced poles, connects limit structure formula structure as an organic whole or comprises multiple part, is equipped with the support mounting hole that is used for the erection joint post on connecting limit structure, still is equipped with two tight pieces of clamps on connecting limit structure, is equipped with the trailing axle mounting hole that is used for installing the trailing axle on pressing from both sides tight piece, the chain stay is installed on the trailing axle, and the chain stay rear end is located two clamps between tight. The utility model discloses overturned among the prior art and directly to have welded the scheme on the chain stay with rear fender support subject, therefore when the motorcycle goes, rear fender support subject can be along with trailing axle and rear wheel simultaneous movement, guarantee rear fender and rear wheel the clearance and to neutrality, solved among the prior art rear fender take place crooked, squint and cause not beautifully and the potential safety hazard scheduling problem.



0) JP2004098830A – FRONT FENDER STRUCTURE FOR MOTORCYCLE

57) Family number: 30612390 (JP2004098830A) © PatBase

Title: FRONT FENDER STRUCTURE FOR MOTORCYCLE

Priority: JP20020262954 20020909

Family:

Publication number	Publication date	Application number	Application date
JP2004098830 A2	20040402	JP20020262954	20020909
JP4184736 B2	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)

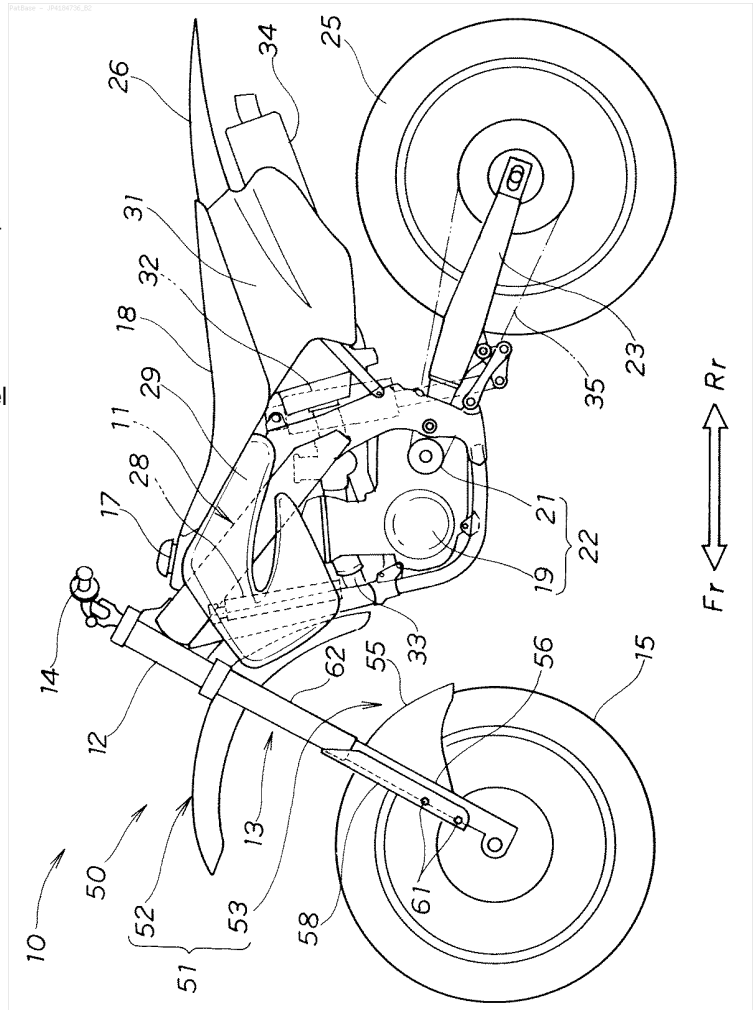
International class (IPC 1–7)**:** B62J15/00

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.



0) CN101372249A – REAR MUDGUARD RACK OF MOTORCYCLE

58) Family number: 43079784 (CN101372249A) © PatBase

Title: Rear mudguard rack of motorcycle

Priority: CN200710035610 20070824

Family:

Publication number	Publication date	Application number	Application date
CN101372249 A	20090225	CN200710035610	20070824

Probable Assignee: XINGYUN ZHANG

Assignee(s):(std)**:** XINGYUN ZHANG

Assignee(s): ZHANG XINGYUN

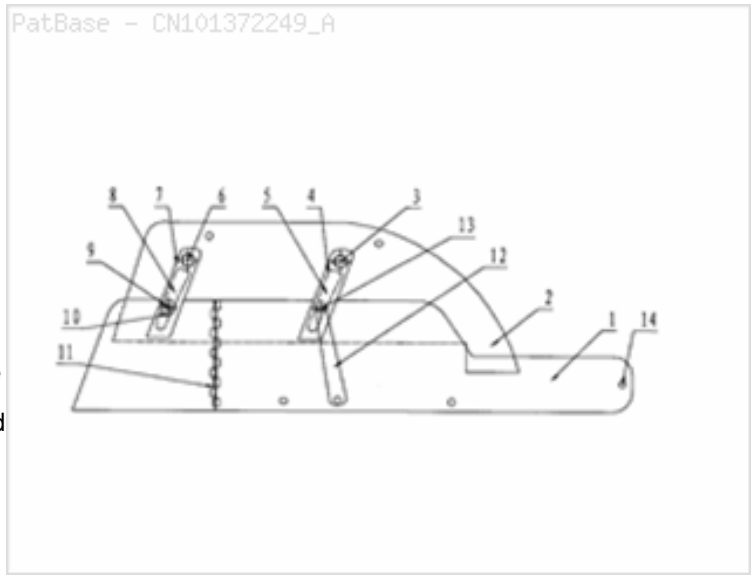
Inventor(s):(std)**:** XINGYUN ZHANG

Inventor(s): ZHANG XINGYUN

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

Classification Explorer

Abstract:
Source: CN101372249A The invention discloses a rear fender rack of a motorbike, aiming at solving technical problems, for example, a rider or a passenger on a usual existing motorbike for men is liable to be wetted by mud and water. The main points of the technical proposal are: a pair of fenders is formed by two side plates with symmetric shapes and structure and a lower fender and an upper fender are respectively movably matched and connected to form the two side plates; the upper fender of each side plate is provided with a right empty slot and a left empty slot, the upper part of the left side of the lower fender is provided with pin holes at the place corresponding to the right empty slot and the left empty slot of the upper fender; the pin of the left slot and the pin of the right slot passing the pin holes on the lower fender are respectively matched and arranged on the left empty slot and the right empty slot on the upper fender; and the lower fender and the upper fender are provided with mounting holes. The rear fender rack can keep the rider or the passenger from being wetted by mud and water by arranging fenders at two sides of a bracket of rear wheel on the usual motorbike for men, is very convenient in mounting and use, and is widely applicable to every type of usual motorbikes for men.



0) FR2234061A – MACHINE FOR SECURING FLAPS TO MOTORCYCLE MUD–GR...

59) Family number: 3165211 (FR2234061A)

© PatBase

Title: MACHINE FOR SECURING FLAPS TO MOTORCYCLE MUD–GRARDS – ROLLERS COMPRESS EDGES OF FLAPS AND GUARD FOR TWO FLAPS AT ONCE

Priority: FR19730023083 19730625

Family:

Publication number	Publication date	Application number	Application date
FR2234061 A1	19750117	FR19730023083	19730625
FR2234061 B1	19760507	FR19730023083	19730625

Probable Assignee: S E D A

Assignee(s):(std)**:** S E D A

Assignee(s): S E D A FR

International class (IPC 8–9): B21D39/02 B62J15/00 (Advanced/Invention); B21D39/02 B62J15/00 (Core/Invention)

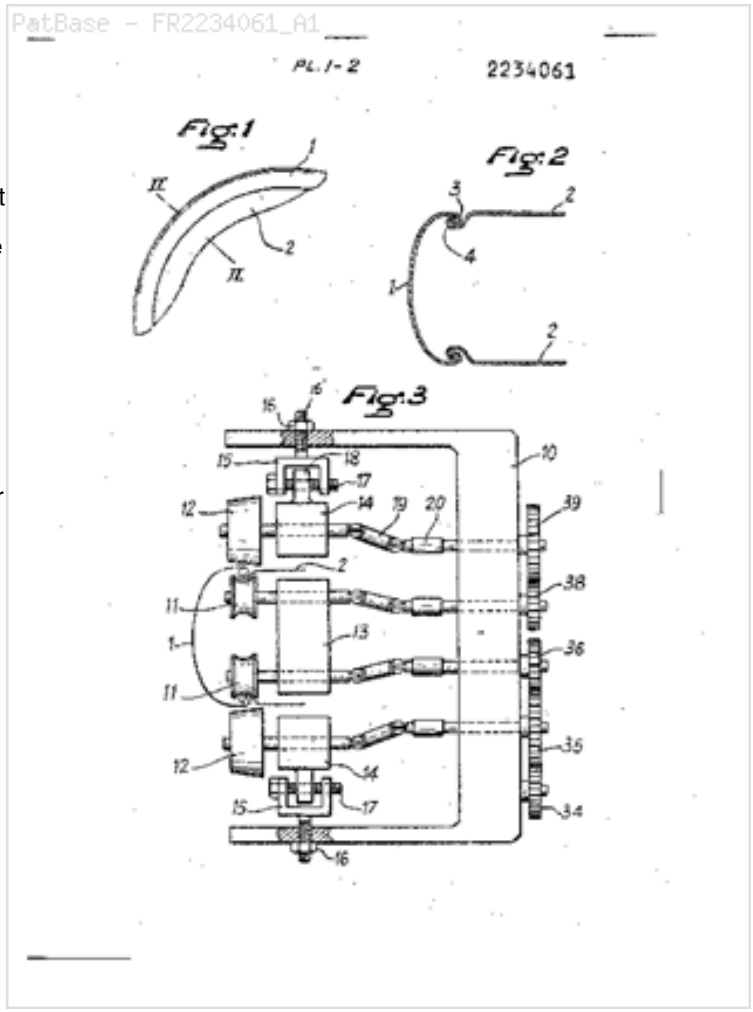
International class (IPC 1–7): B21D39/02 B62J15/00

CPC: B21D39/02 B62J15/00

European class: B21D39/02 B62J15/00

Classification Explorer

Abstract:
Source: FR2234061A (Claim 1) 1 – Tchine a sertir les bavolets lateraux sur les gardeboue de cycles et cyclomoteurs, permettant le sertissage simultane des deux bavolets, caracterisee par le fait qu'elle comporte une tete porte–molettes triple, se composant d'une tete mediane fixe mais interchangeable portant les deux molettes interieures, et deux tetes exterieures portant chacune une contremolette reglable a la fois radialement et dans le sens axial par rapport aux molettes. The machine used to fix the two lateral flaps on to the motor bicycle mud–guard, allowing the simultaneous assembly of both of them, has a frame carrying a series of fixed, interchangeable middle heads with two inner rollers and two external heads, each having one single roller, which may be adjustable, in relation to the inner rollers, either axially or radially. The roller shafts are all driven by a common gear–wheel set, each through a universal joint linked to sliding sleeve. The mud–guard fits over the centre head, and the outer rollers compress the interlocked edges of the flaps and mud–guard onto the inner rollers.



0) JP2011121510A – REAR LAMP OF MOTORCYCLE

60) Family number: 49107549 (JP2011121510A) © PatBase

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)**:** CHIHIKO SASAKI ; KOJI OKAMOTO ; MIYAMOTO SHIRO ; OKAMOTO KOJI ; SASAKI CHIHIKO ; SASAKI TOMOHIKO ; SHIRO MIYAMOTO ; YAMAGUCHI TAKAFUMI ; YAMAGUCHI YOSHIFUMI ; YOSHIFUMI YAMAGUCHI

Inventor(s): TAKAFUMI YAMAGUCHI ; TOMOHIKO SASAKI

Agent(s): JAIME EDUARDO DELGADO VILLEGAS

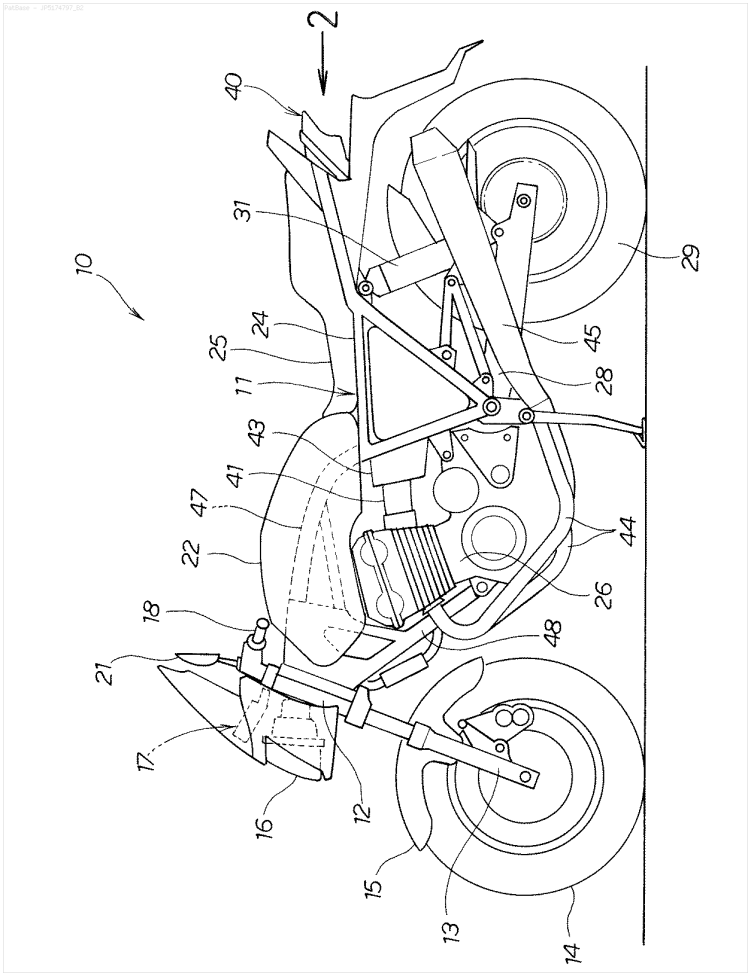
International class (IPC 8–9): B62J B62J6/00 B62J6/04 F21S8/10 F21V5/04 (Advanced/Invention) ; F21W101/14 F21Y101/02 (Advanced/Non–invention)

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) CN202716976U – MOTORCYCLE MUD GUARD CAPABLE OF COLLECTING DUST...

61) Family number: 53024506 (CN202716976U) © PatBase

Title:	MOTORCYCLE MUD GUARD CAPABLE OF COLLECTING DUST
Priority:	CN201220450680U 20120905

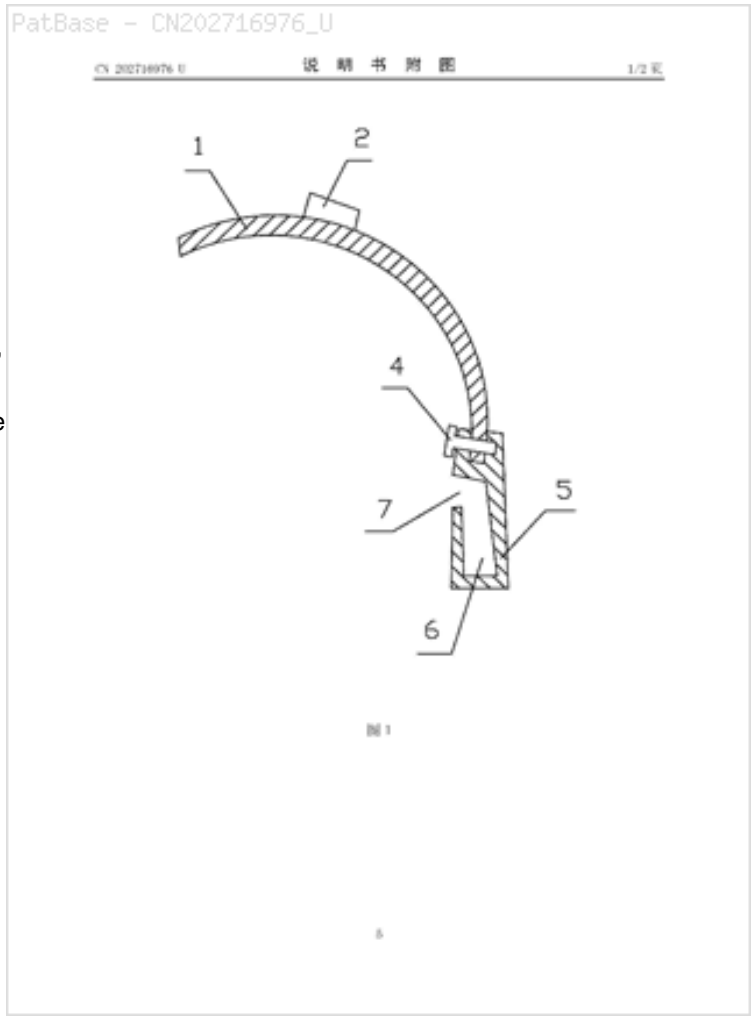
Family:

Publication number	Publication date	Application number	Application date
CN202716976 U	20130206	CN201220450680U	20120905

Probable Assignee:	HUANG XIAOLAN
Assignee(s):(std)**:**	HUANG XIAOLAN
Inventor(s):(std)**:**	HUANG XIAOLAN
International class (IPC 8–9):	B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN202716976U A recyclable dust motorcycle fender, fender involving technical field, including fenders and mounting piece, the bottom of the set screw fenders are fenders, further comprising a dust collection boxes, dust collection boxes disposed within the cavity, the front side of the dust collection boxes provided with an opening at the top of the dust collection boxes provided with longitudinal and bottom to match the fender slot card slot dust collection boxes at the bottom of the fender, dust recovery Set–top boxes have to match the cartridge body screw, bolt through the holes and fender screw the cartridge dust collection boxes will be fixed at the bottom of the fender, the fender motorcycle recyclable dust can be recovered ground Young From the dust and mud, with a clean ground effect.



0) JP5178248A – FENDER STRUCTURE OF MOTORCYCLE

62) Family number: 10297929 (JP5178248A) © PatBase

Title: FENDER STRUCTURE OF MOTORCYCLE

Priority: JP19910347401 19911227

Family:

Publication number	Publication date	Application number	Application date
JP5178248 A2	19930720	JP19910347401	19911227

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

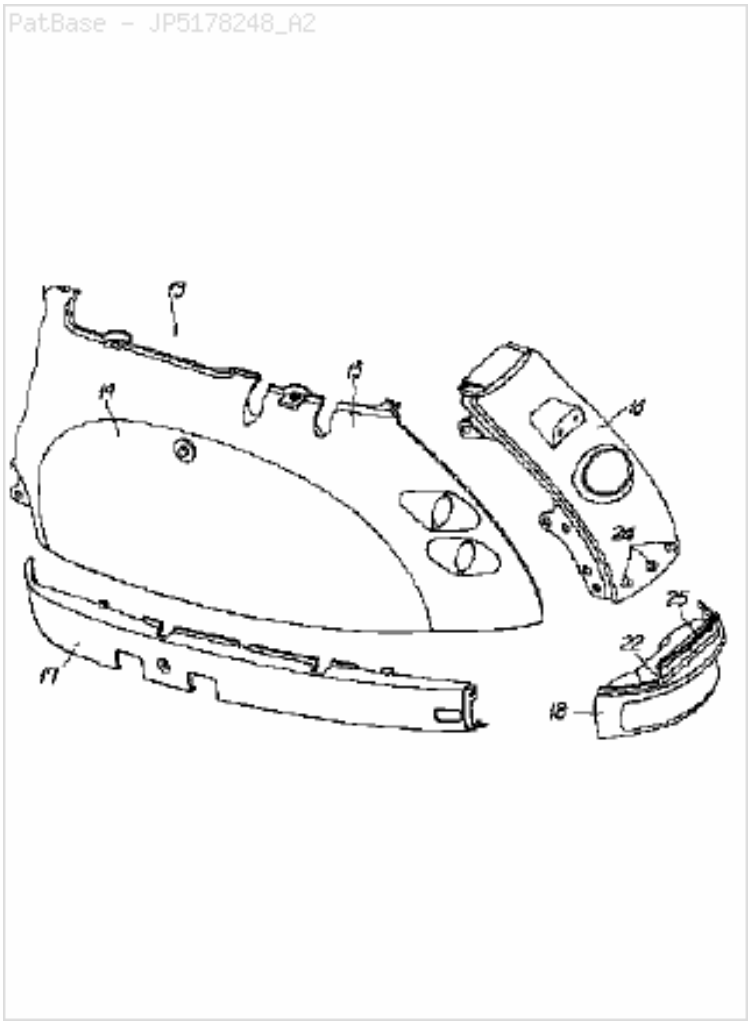
Inventor(s):(std): MORIYA YASUNORI

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

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

Classification Explorer

Abstract:
Source: JP5178248A PURPOSE: To prevent the mud and water which are splashed from a wheel from leaking outside a fender from the divided part of the fender and constitute the fender structure at a low cost. CONSTITUTION: As for the fender structure for a motorcycle which has a superposition portion at the divided part of a divided type fender, the edge part of the superposition portion 22 is made thin so as to be elastically deformed, and a closely attached rib 25 is formed, and when the fender (tail lower fender 18) having the superposition portion 22 and the other fender (tail fender 16) are assembled, the closely attached rib 25 is pressed onto the other fender, with elasticity.



0) US4557345A – MOTORCYCLE ENGINE COOLING SYSTEM

63) Family number: 4916037 (US4557345A) © PatBase

Title: Motorcycle engine cooling system

Priority: JP19820158380 19820911 JP19820158381 19820911

Family:

Publication number	Publication date	Application number	Application date
JP1300638 C3	19860131	JP19820158381	19820911
JP1440204 C3	19880530	JP19820158380	19820911
JP59048278 A2	19840319	JP19820158380	19820911
JP59048279 A2	19840319	JP19820158381	19820911
JP60021914 B4	19850530	JP19820158381	19820911
JP62047756 B4	19871009	JP19820158380	19820911
US4557345 A	19851210	US19830530853	19830909

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): SUPREME EQUIPMENT AND SYSTEMS CORP ; SUPREME EQUIPMENT AND SYSTEMS CORP 170 52ND ST BRO ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** HAMANE MASUMI ; ONDA TAKAMASA ; ONDA TAKANORI

International class (IPC 8–9)**:** B60K11/02 B62J17/00 B62J17/06 B62J25/00 B62J33/00 B62J99/00 B62K11/10 F01P11/10 F02B61/02 (Advanced/Invention); B60K11/02 B62J17/00 B62J25/00 B62J33/00 B62J99/00 B62K11/00 F01P11/10 F02B61/00 (Core/Invention)

International class (IPC 1–7)**:** B60K11/02 B60K11/04 B62J17/06 B62J25/00 B62J33/00 B62J39/00

CPC: F02B61/02 B62J33/00 B62J17/00 B62K11/10 B62K2202/00 F01P11/10

European class: B62J17/00 B62J33/00 B62K11/10 F01P11/10 F02B61/02 L62K202/00

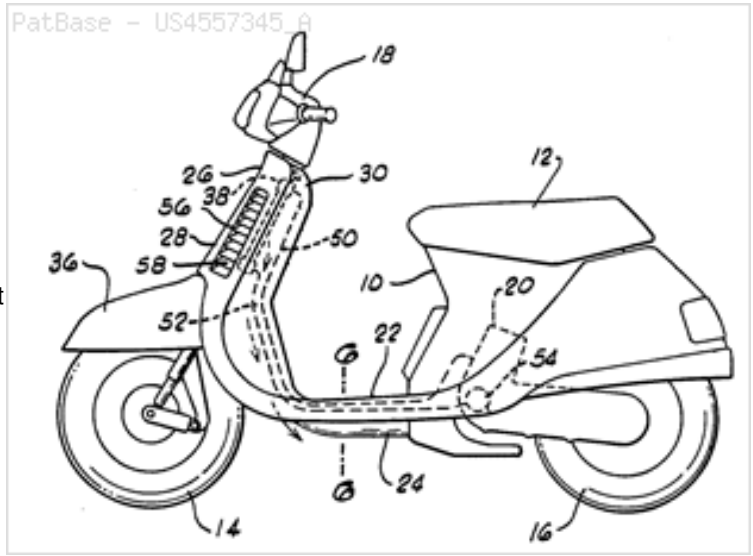
US class: 180/229 180/68.1 280/289A

Classification Explorer

Cited documents: US4445587 A, JP58128924 A2, JP58008427 A2, JP57140224 A2, GB1537233 A, GB141194 A, DE892724 A,

Forward Citations: US9459051, US9070925, US9004211, US8505668, US8316975, US7264073, US7261172, US7255191, US7004232, US6943665, US6651769, US6102149, US6047786, US4799568, US4667758, US4662470, US2013248272, US2012325427, US2012176086, US2012175178, US2011240250, US2006027407, US2005257974, US2005092538, US2003098774, US2002021601, JP59114178, JP3040511, JP2011207481, JP2008222212, JP2008162358, JP1091066, FR2748254, EP2311716, EP1752369, EP1752368, EP1625995, EP1459973, EP0755819, CN102152824,

Abstract:
Source: US4557345A A motorcycle having a water−cooled engine. The cooling system includes a radiator located in a hollow front leg shield of the motorcycle. The radiator may be positioned on one side of the down tube while a radiator tank is located on the other. A damper mechanism is disclosed which allows selected flow of heated air from the radiator to be directed toward the rider for warmth. Alternately, heated air flows from the radiator downwardly from the hollow interior of the front leg shield.



0) CN205396314U – REAR FENDER OF MOTORCYCLE

64) Family number: 63032386 (CN205396314U) © PatBase

Title:	REAR FENDER OF MOTORCYCLE
Priority:	CN201620214448U 20160321

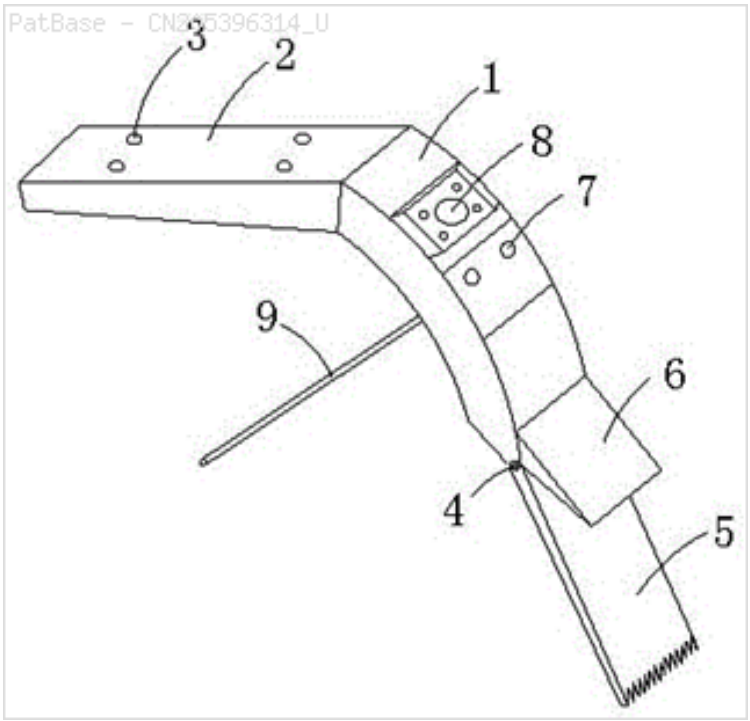
Family:

Publication number	Publication date	Application number	Application date
CN205396314 U	20160727	CN201620214448U	20160321

Probable Assignee:	FUJIAN DEBANG MACHINERY MFG CO LTD
Assignee(s):(std)**:**	FUJIAN DEBANG MACHINERY MFG CO LTD
Assignee(s):	FUJIAN IN STATE MACHINERY MFG CO ; FUJIAN DEBANG MACHINERY MFG CO
Inventor(s):(std)**:**	JIANG DAPENG
International class (IPC 8–9):	B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN205396314U The utility model discloses a rear fender of motorcycle, include the arc fender that suits with the motorcycle rear wheel, the one end fixedly connected with frame mounting panel of arc fender, be provided with the mounting hole with connected to the frame on the frame mounting panel, the other end of arc fender has the breakwater through pin swing joint, the top of breakwater is equipped with the limiting plate, still be provided with license plate mounting hole and brake light mounting hole on the arc fender. The utility model discloses an arc fender and breakwater swing joint's mode, prevented mud pile up at the fender inboard, the also better muddy water that splashes on the wheel that has blockked, the design of license plate mounting hole and brake light mounting hole has increased the function of fender, the design of support and strengthening rib has increased the intensity of fender, makes it durable more.



0) FR2784059A – AIR CLEANING DEVICE FOR TWO–WHEELED MOTOR VEHIC...

65) Family number: 13790199 (FR2784059A) © PatBase

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... ; HONDA GIRKN KOGYO KABUSHIKI KAISHA HONDA MOTOR CO LTD ; 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

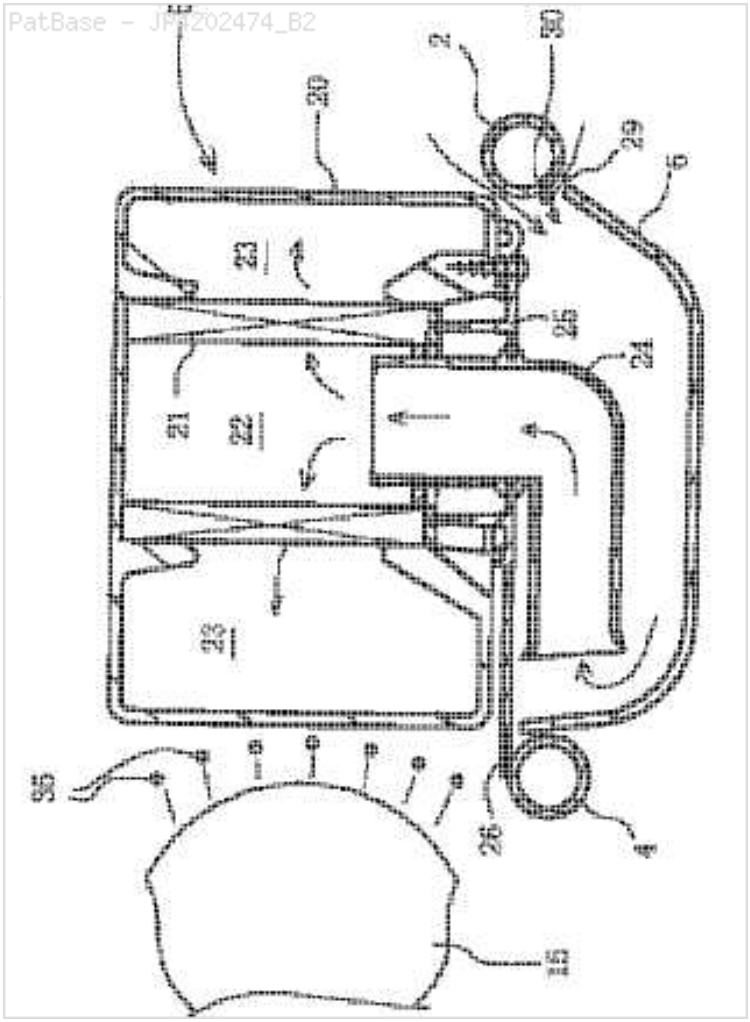
CPC: B62K11/04 F02M35/02 F02M35/162

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) CN1227809A – REAR MUD–GUARD STRUCTURE FOR MOTORCYCLE

66) Family number: 12571943 (CN1227809A) © PatBase

Title: REAR MUD–GUARD STRUCTURE FOR MOTORCYCLE

Priority: CN19981007833 19980304

Family:

Publication number	Publication date	Application number	Application date
CN1090118 C	20020904	CN19981007833	19980304
CN1227809 A	19990908	CN19981007833	19980304

Probable Assignee: YAMAHA MOTOR CO LTD

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

Assignee(s): YAMAHA HATSUDOKI K K ; HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO KK

Inventor(s):(std): KEIAN SUGITANI ; MAEDA SYUU ; NARIJI WATANABA ; AKIKO ISHIKAWA

Inventor(s): ISHIKAWA AKIKO ; SUGITANI KEIAN ; SYUU MAEDA ; WATANABA NARIJI

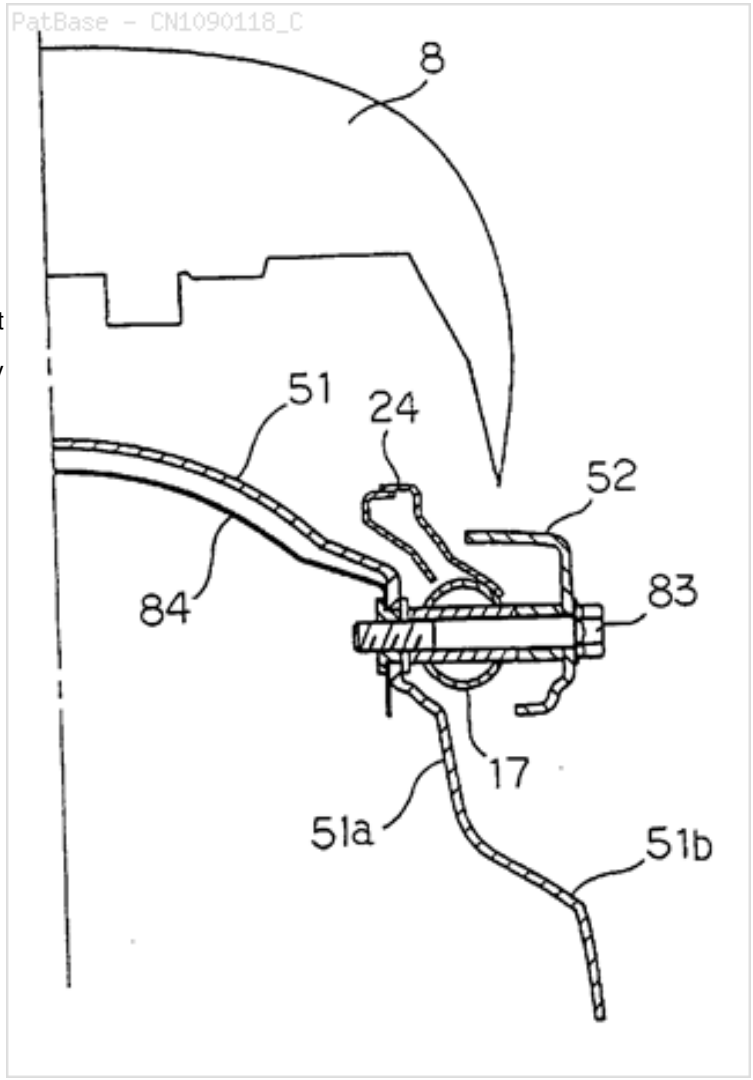
International class (IPC 8–9): B62J15/04 B62J17/00 B62J23/00 B62J6/00 (Advanced/Invention); B62J15/00 (Core/Invention)

International class (IPC 1–7): B62J15/04 B62J17/00

Classification Explorer

Forward Citations: CN102161360, CN102030063,

Abstract:
Source: CN1227809A A rear fender structure for two−wheel motorcycle is aimed at increasing the rigidity and mudguard function of rear fender, avoiding the influence of rear fender on the frame, the application of motorcycle and the posture of passenger, and eliminating the damage to streamline contour of rear fender. It is unnecessary to extend−out the handle on the frame excessively for raising motorcycle body up,so supporting the motorcycle for easy operation. The lower end of the rear fender has a skirt part on its edge, it is wider than the cover part of wheel. A pair of left and right carriages is arranged respectively at insides of motorcycle body correspondent outside edges said skirt part and above the skirt part.



0) JP2000025671A – FRONT FENDER STRUCTURE OF SCOOTER–TYPE VEHICLE

67) 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 RIKA ; 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)

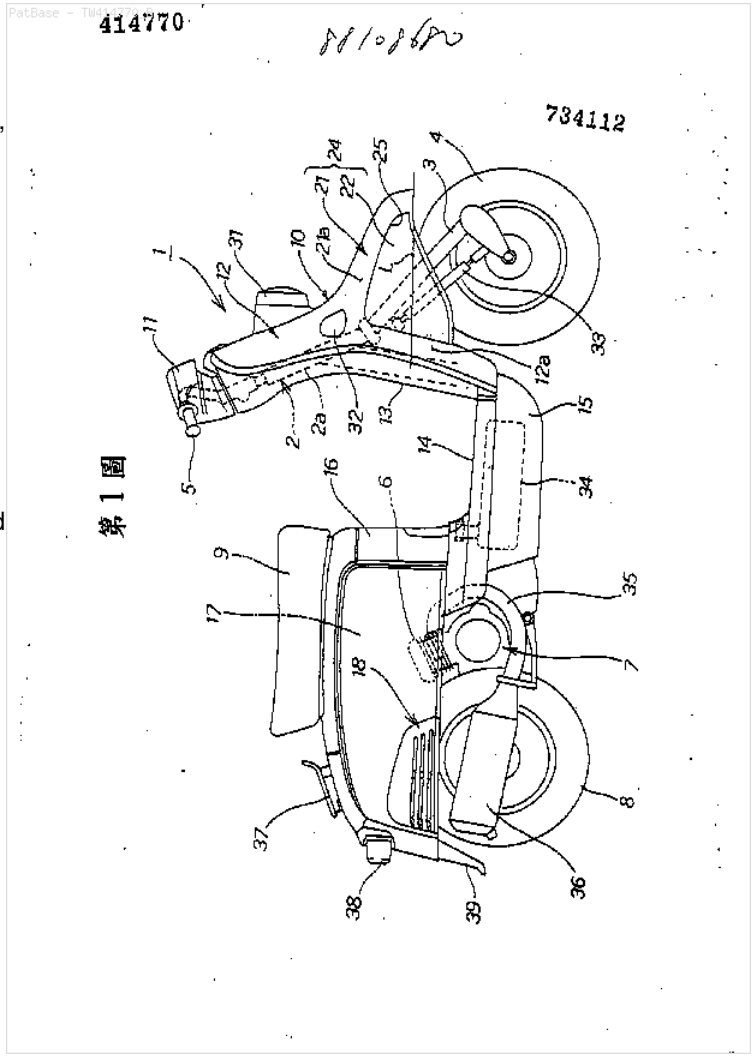
International class (IPC 1–7)**:** B62J15/00 B62J23/00

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.



0) WO08065676A2 – MOUNTING ARRANGEMENT OF NUMBER PLATE IN A MOTOR...

68) Family number: 41863335 (WO08065676A2) © PatBase

Title: MOUNTING ARRANGEMENT OF NUMBER PLATE IN A MOTORCYCLE

Priority: IN2006CH02189 20061127

Family:

Publication number	Publication date	Application number	Application date
IN02189CH2006 A	20081128	IN2006CH02189	20061127
IN266460 B	20150508	IN2006CH02189	20061127
PE12122008 A1	20080904	PE20070001632	20071123
TH115450 A	20120731	TH20071005899	20071120
WO08065676 A2	20080605	WO2007IN00526	20071107
WO08065676 A3	20080717	WO2007IN00526	20071107

Probable Assignee: BAJAJ AUTO LTD

Assignee(s):(std)**:** BAJAJ AUTO LTD ; JOSEPH ABRAHAM ; PATWARDHAN VIVEK NILKANTH

Assignee(s): BAJAJ AUTO LIMITED

Inventor(s):(std)**:** ABRAHAM JOSEPH ; JOSEPH ABRAHAM ; NELKANTH PATWARDHAN VIVEK ; PATWARDHAN VIVEK NILKANTH

Agent(s): ARUNACHALAM APPAJI MOHAN

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): B60R13/10 B62K11/00 (Advanced/Invention); B60R13/00 B62K11/00 (Core/Invention)

International class (IPC 1–7): B60R13/00 B62D21/00

CPC: B60R13/105 B62J99/00 B62K11/00

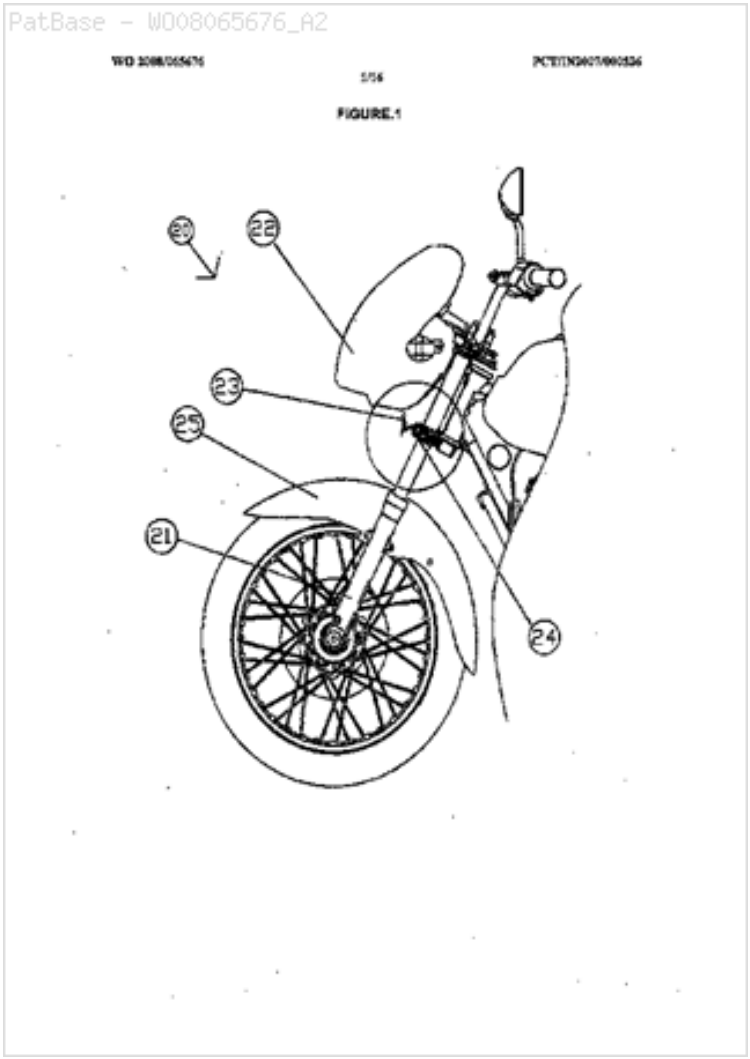
European class: B60R13/10B B62J99/00 B62K11/00

Classification Explorer

Cited documents: US2008028656 AA, US2002067022 AA, FR2620103 A1, AU8778091 A1,

Forward Citations: JP5683441, JP2013112164, EP2226241, CN102205820,

Abstract:
A motorcycle having a front wheel assembly mounted to a chassis by means of a suspension means, a front registration number plate mounted between the chassis and the front wheel assembly, there being in a stationary state, a static clearance distance representing a maximum travel that would be permitted before the number plate interfered with the movement of the front wheel assembly, wherein the maximum compression stroke of the front suspension means is greater than the said static clearance distance and wherein a mounting arrangement enables the number plate to move between a first position and a second position in response to actuation of the front suspension assembly.



0) CN202728427U – MOTORCYCLE REAR MUD PLATE DESIGNED TO BE IN SPL...

69) Family number: 53043111 (CN202728427U) © PatBase

Title: MOTORCYCLE REAR MUD PLATE DESIGNED TO BE IN SPLIT STRUCTURE

Priority: CN201220398056U 20120813

Family:

Publication number	Publication date	Application number	Application date
CN202728427 U	20130213	CN201220398056U	20120813

Probable Assignee: YE HANWEN

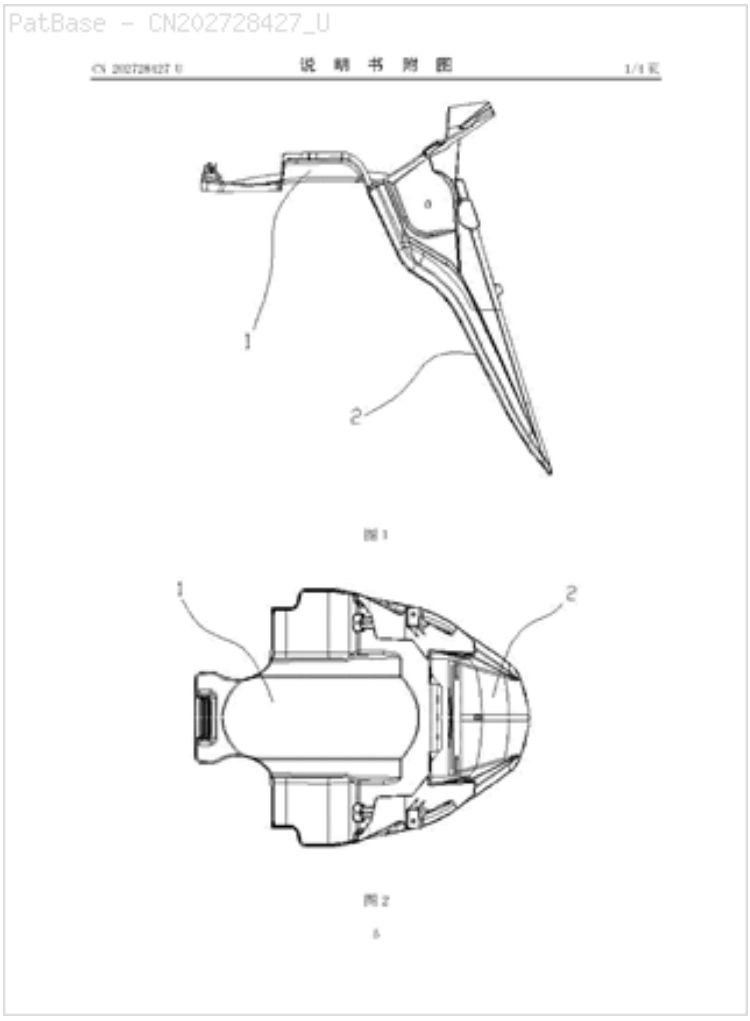
Assignee(s):(std)**:** YE HANWEN

Inventor(s):(std)**:** YE HANWEN

International class (IPC 8–9)**:** B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN202728427U After the utility model to provide a split design of a motorcycle fender, including rear inner fender and rear fender of their, and the rear end of the upper end of the inner rear fender to fender Removing the connection, and the rear fender and the rear inner fender connection was after 7 shape. After the utility model motorcycle fender design for the sub–structure, the shortcomings of the utility model after the fender to avoid the presence of the existing overall structure, to achieve a number of advantages, such as simple structure, molding speed, using small injection machining, small cartons, reduce packaging costs and so on.



0) JP2006027397A – MOTORCYCLE

70) Family number: 32718788 (JP2006027397A) © PatBase

Title: MOTORCYCLE

Priority: JP20040207511 20040714

Family:

Publication number	Publication date	Application number	Application date
CN100360371 C	20080109	CN200510084673	20050714
CN1721264 A	20060118	CN200510084673	20050714
CN2808706 Y	20060823	CN200520112806U	20050714
JP2006027397 A2	20060202	JP20040207511	20040714
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 F02M35/00 (Core/Invention)

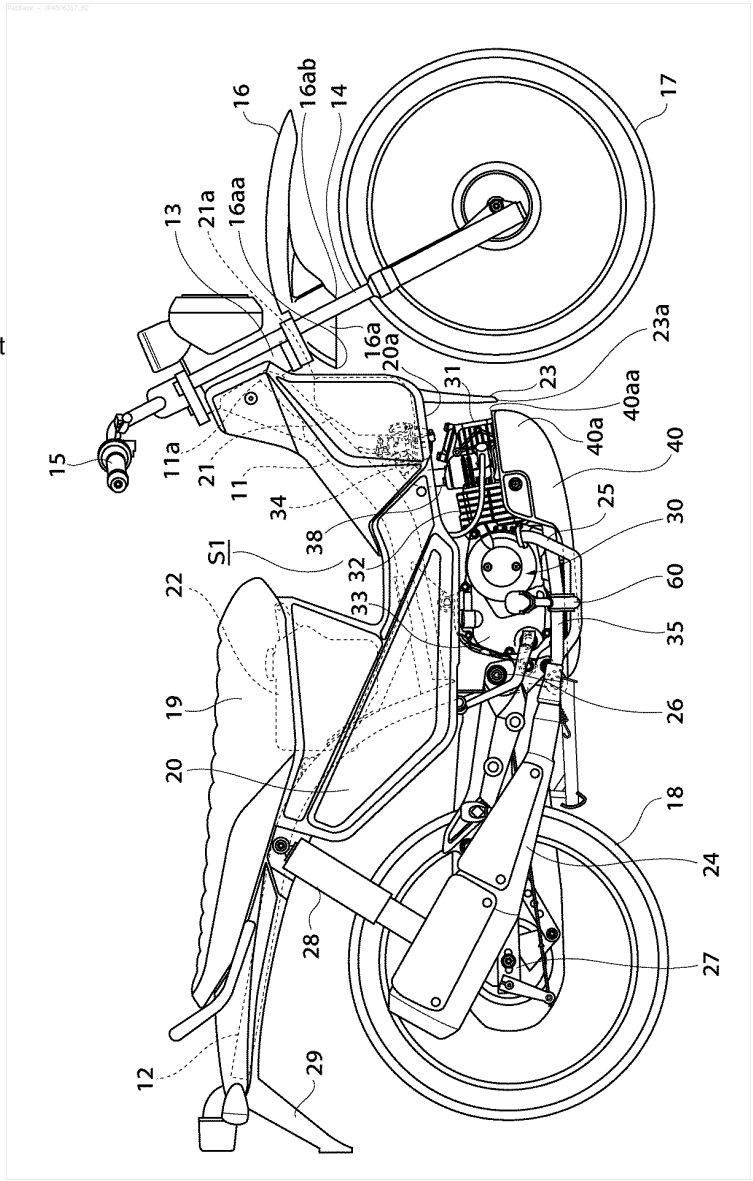
International class (IPC 1–7)**:** B62K11/04

Classification Explorer

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) JP6144322A – FENDER DEVICE FOR MOTORCYCLE

71) Family number: 11238718 (JP6144322A)

© PatBase

Title: FENDER DEVICE FOR MOTORCYCLE

Priority: JP19920294482 19921102

Family:

Publication number	Publication date	Application number	Application date
JP6144322 A2	19940524	JP19920294482	19921102

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

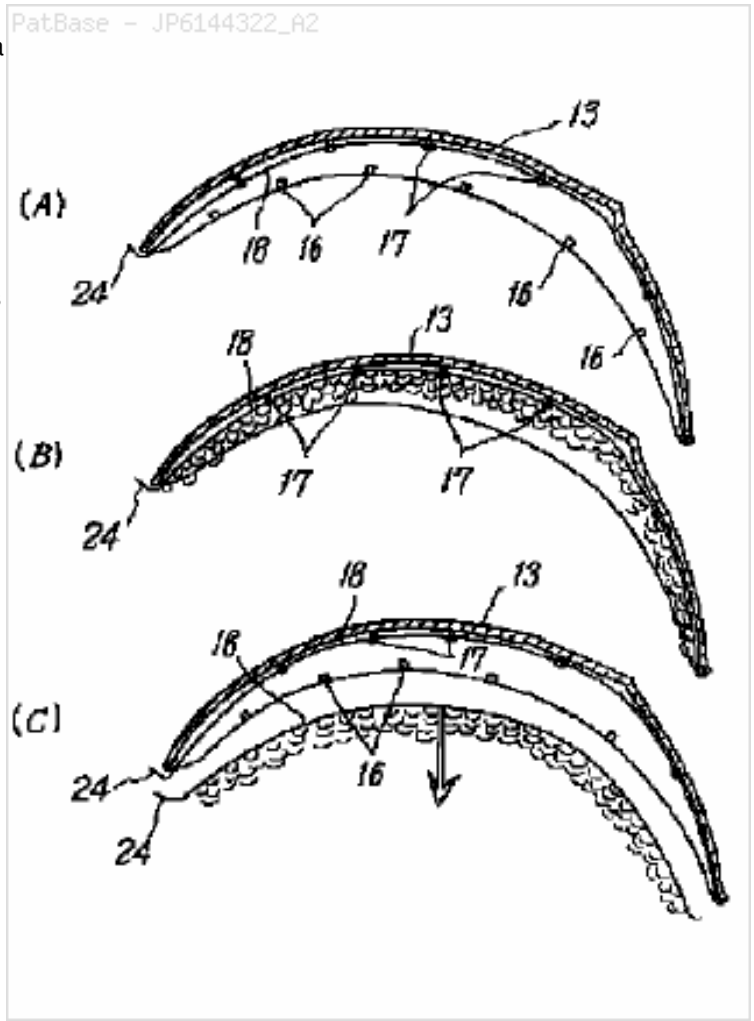
Inventor(s):(std)**:** FURUTA JUN

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

International class (IPC 1–7)**:** B62J15/00

Classification Explorer

Abstract:
Source: JP6144322A PURPOSE: To provide a fender device for motorcycle, with which the mud is peeled automatically to make a motorcycle continue to travel when the mud is adhered to the lower surface of a fender. CONSTITUTION: In a fender device for off road type motorcycle or the like, a shield 18 is attached to the lower surface of a fender 13, which is provided in a car body over a wheel, freely to be peeled, and when the mud at a quantity more than a predetermined quantity is adhered to the shield 18, the shield 18 is peeled.



0) CN100386240C – PROTECTIVE BAR FIXING MECHANISM OF MOTORCYCLE

72) Family number: 34044957 (CN100386240C) © PatBase

Title: Protective bar fixing mechanism of motorcycle

Priority: CN200520064682U 20050914 CN200610082144 20060519 CN200620118809U 20060519

Family:

Publication number	Publication date	Application number	Application date
CN100386240 C	20080507	CN200610082144	20060519
CN1880151 A	20061220	CN200610082144	20060519
CN2923491 Y	20070718	CN200620118809U	20060519

Probable Assignee: JIANGMEN BIG CHANGJIANG GROUP

Assignee(s):(std)**:** DAJIANG GROUP CO LTD JIANGMEN ; JIANGMEN BIG CHANGJIANG GROUP ; JIANGMEN DACHANGJIANG GROUP CO

Assignee(s): DAJIANG GROUP CO ; JIANGMEN BIG CHANGJIANG GROUP CO

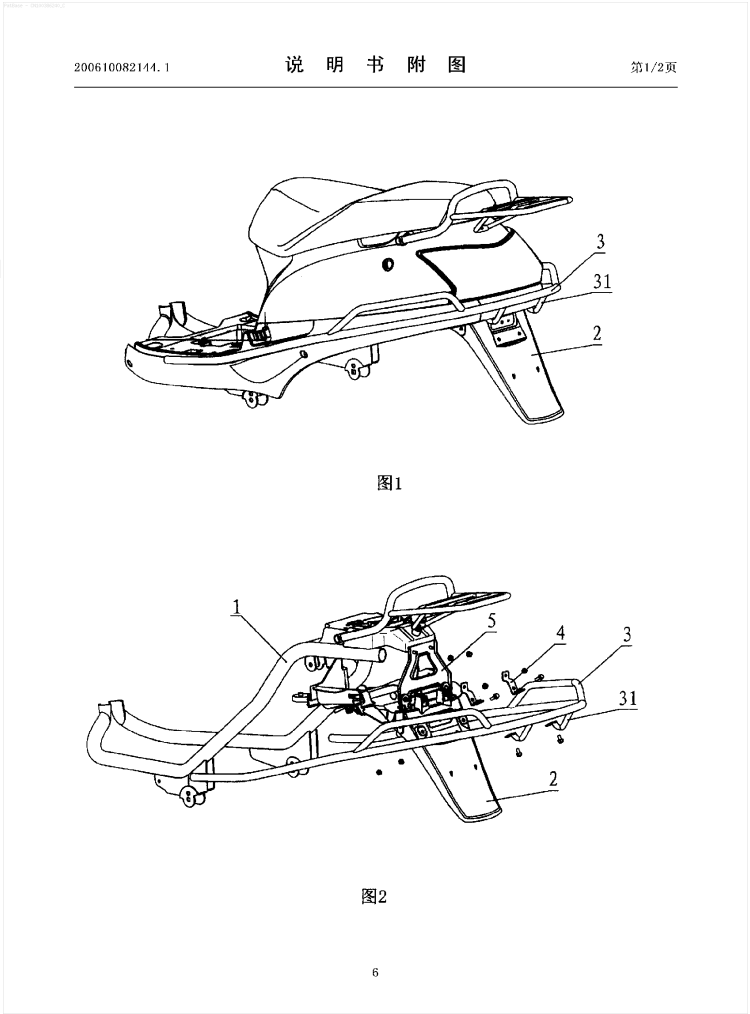
Inventor(s):(std)**:** SHI YAN ; YAN SHI

International class (IPC 8–9): B62J27/00 (Advanced/Invention); B62J27/00 (Core/Invention)

Classification Explorer

Forward Citations: CN103204201, CN103204201, CN102275620,

Abstract:
Source: CN100386240C The invention relates to a motorcycle protective rod fixing device, which comprises a motorcycle frame, a back mud flap and a protective rod fixed on the frame, wherein the back half part of protective rod is connected to one mounting support whose end is connected to the frame and middle part is connected to the back mud flap. Since the back half part of protective rod is connected to the frame and back mud flap, said half part is mounted reliably, without shielding tail lamp.



0) TW201020153A – MOTORCYCLE

73) Family number: 47008640 (TW201020153A) © PatBase

Title: Motorcycle

Priority: TW20080146530 20081128

Family:

Publication number	Publication date	Application number	Application date
TW201020153 A	20100601	TW20080146530	20081128
TWI362339 B	20120421	TW20080146530	20081128

Probable Assignee: YAMAHA MOTOR CO LTD

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

Assignee(s): YAMAHA MOTOR CO LTD JP ; YAMAHA MOTOR CO

Inventor(s):(std)**:** CHUNG CHIUNING ; CHUNG CHIU NING

International class (IPC 8–9): B62J15/04 B62J17/00 B62K11/02 (Advanced/Invention); B62J15/04 B62J17/00 B62K11/02 (Core/Non–invention)

Classification Explorer

Cited documents: TW564231, TW537988, JP237093 A, JP2004306740 A, JP2002331977 A,

Abstract:
Source: TW201020153A This invention is to provide a motorcycle in which a front fender 2 is rotated together with a steering handle bar 1. The invention is characterized in that no improper force is exerted on wires. A sufficient space for wiring is present at the upper end of the front fender 2 in a width direction, and which would not reduce the size of the vehicle in the front–and–rear direction and is capable of ensuring a sufficient space behind the front fender 2 and increasing comfort for a rider. By arranging a stationary mud guard 3, a foot rest portion S can be inclined to a horizontally direction in comparison with a movable mud guard so as to further increase the comfortable level of the rider. By setting the width W1 of the position of the through hole H on the mud guard 3 in a width direction of the vehicle to be larger than the widter W2 of the front fender 2 in the width direction, even if the stationary mud guard 3 is used, the mud guard effect as achieved by the movable mud guard can be obtained.

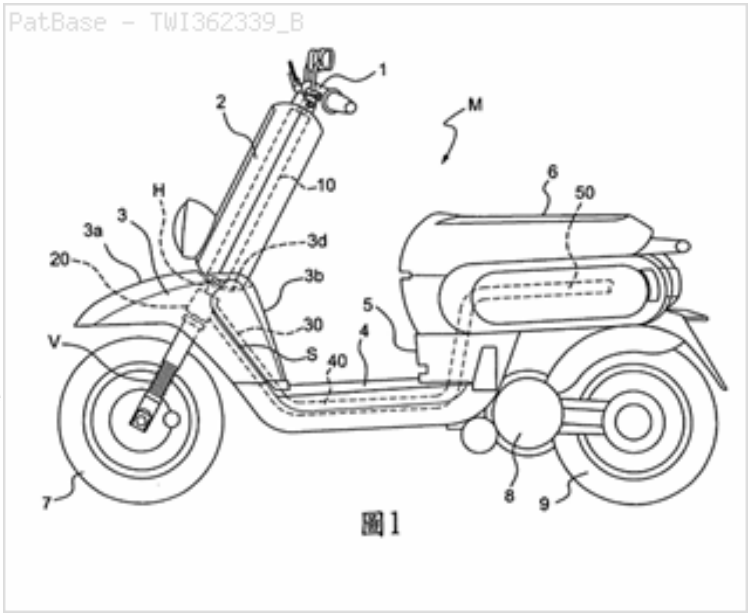


圖1

0) TW201217210A – PREVENTING THE SAND OR GROUND WATER ROLLED UP B...

74) Family number: 51233299 (TW201217210A) © PatBase

Title: preventing the sand or ground water rolled up by the wheel from entering the brake caliper in the disc brake system and improving the service life of brake lining in the brake caliper

Priority: TW20100135384 20101018

Family:

Publication number	Publication date	Application number	Application date
TW201217210 A	20120501	TW20100135384	20101018
TWI388456 B	20130311	TW20100135384	20101018
VN16499 A1	20170225	VN20110002644	20111004

Probable Assignee: KWANG YANG MOTOR CO

Assignee(s):(std)**:** KWANG YANG MOTOR CO

Assignee(s): KWANG YANG MOTOR CO LTD

Inventor(s):(std)**:** CHANG JUNG LIN ; LEE HSIN HSIANG ; LIANG CHIU HUI

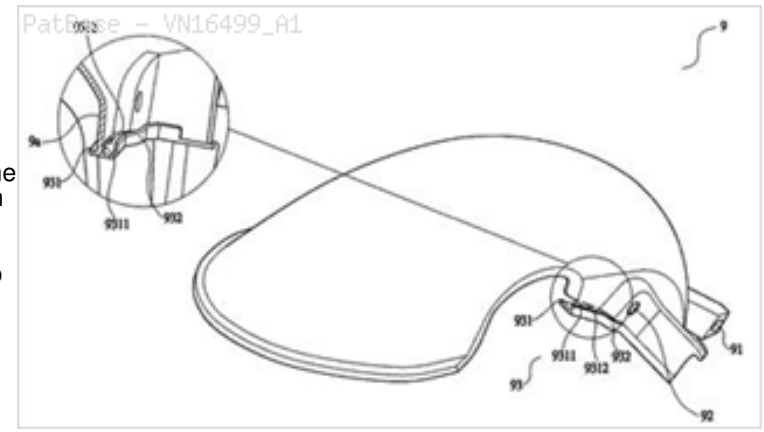
International class (IPC 8–9)**:** B62J15/04 (Advanced/Invention)

International class (IPC 1–7)**:** B62J15/00

Classification Explorer

Cited documents: CN201390324, CN1906078,

Abstract:



Source: TW201217210A The present invention relates to a mud water diversion structure on a motorcycle wheel fender. The motorcycle is provided with a wheel and a power unit. The wheel has a fender, and its feature is that the side wall of the fender on the mud water diversion structure is provided with a diversion part and a vertical baffle part to guide the direction of water mud flow. By this way, when the sand or ground water rolled up by the wheel is guided by the fender to the brake caliper in the disc brake system, the mud water diversion structure on the fender can divert the mud water to outflow from the brake caliper, thereby preventing the sand or ground water rolled up by the wheel from entering the brake caliper in the disc brake system, and improving the service life of brake lining in the brake caliper.

0) CN203111370U – TELESCOPIC MOTORCYCLE REAR FENDER

75) Family number: 54544072 (CN203111370U) © PatBase

Title: TELESCOPIC MOTORCYCLE REAR FENDER

Priority: CN201320105034U 20130306

Family:

Publication number	Publication date	Application number	Application date
CN203111370 U	20130807	CN201320105034U	20130306

Probable Assignee: WENLING HENGYUAN SCIENCE AND TECHNOLOGY CONSULTATION CO LTD

Assignee(s):(std)**:** WENLING HENGYUAN SCIENCE AND TECHNOLOGY CONSULTATION CO LTD

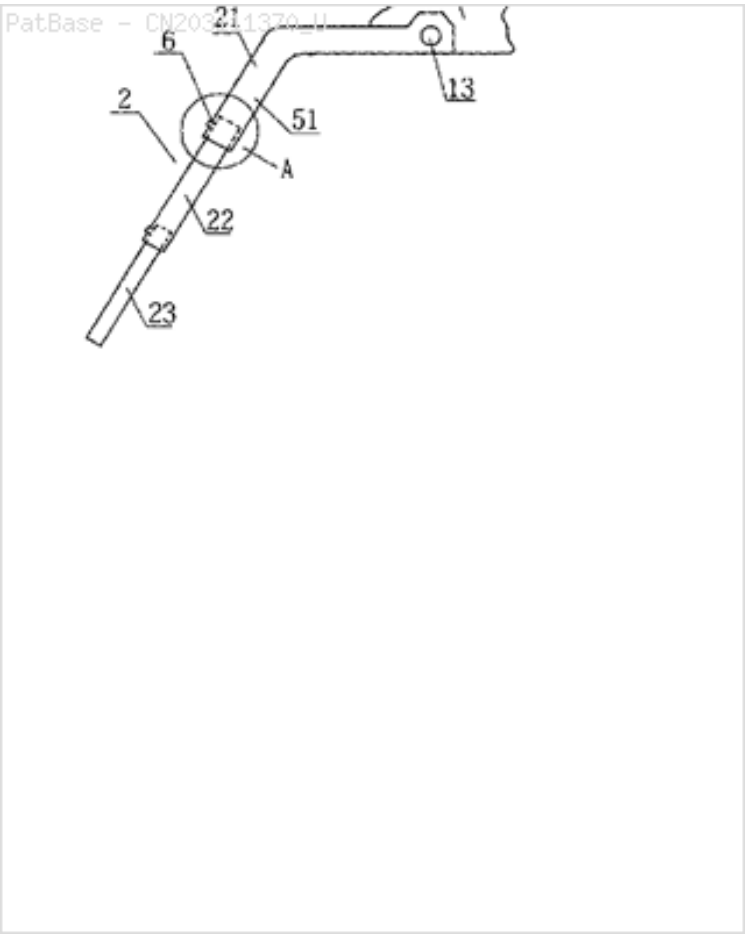
Assignee(s): WENLING HENGYUAN SCIENCE AND TECHNOLOGY CONSULTATION CO

Inventor(s):(std)**:** CHEN JUNXU

International class (IPC 8–9): B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN203111370U The utility model discloses a telescopic motorcycle rear fender which mainly comprises a fender body arranged on a motorcycle seat support. The fender body is formed by a front board, at least one middle board and a tail board in sequence in an inserting–connecting mode. Left ends and right ends of board surfaces of the front board, the middle board and the tail board are respectively curled to form a round channel with a notch. First penetrating holes arranged mutually symmetrical are formed at the lower end of the channel of the front board. A first through hole is formed at the upper end of the channel of the middle board, and a second penetrating hole is formed at the lower end of the channel of the middle board. A second through hole is formed at the upper end of the channel of the tail board. Guide pipes are arranged in the first through hole and the second through hole respectively in the radial direction. Reversed T–shaped clamping pieces with springs on bottoms are arranged in the guide pipes respectively. The telescopic motorcycle rear fender can effectively stop mud water thrown by a wheel and is obvious in shielding effect. Occupied space in packaging and transporting is greatly reduced due to telescopic performance, cost is reduced, and the telescopic motorcycle rear fender is convenient to replace on the condition of bending and damage.



0) CN204871343U – NOVEL REAR FENDER COMBINATION

76) Family number: 61151629 (CN204871343U) © PatBase

Title: NOVEL REAR FENDER COMBINATION

Priority: CN201520325160U 20150520

Family:

Publication number	Publication date	Application number	Application date
CN204871343 U	20151216	CN201520325160U	20150520

Probable Assignee: GUANGZHOU HAOJIN MOTORCYCLE GROUP CO LTD

Assignee(s):(std)**:** GUANGZHOU HAOJIN MOTORCYCLE GROUP CO LTD

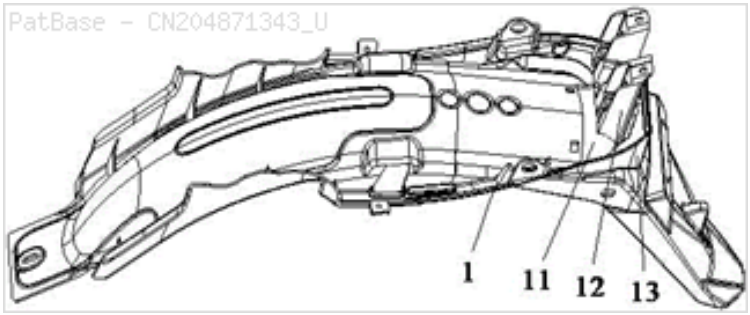
Assignee(s): MOTORCYCLE CO LTD GUANGZHOU JIN HO ; GUANGZHOU HAOJIN MOTORCYCLE GROUP CO

Inventor(s):(std)**:** CHEN CHAO ; LIU YIGUANG ; WANG XING

International class (IPC 8–9): B62J15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN204871343U The utility model discloses a novel rear fender combination, including the tire fender, the shaping has the installation department on the tire fender, the installation department with the interconnect department of tire fender forms a fluting, the installation department with the interconnect department of tire fender is equipped with one and keeps off the mud capping, it establishes to keep off the proper lid of mud capping fluting department. The utility model discloses a novel rear fender combination can block mud, prevent that mud from getting into the motorcycle from the fluting in to the convenient washing.



0) US2109316A – OIL TANK AND BATTERY ASSEMBLY

77) Family number: 29731591 (US2109316A) © PatBase

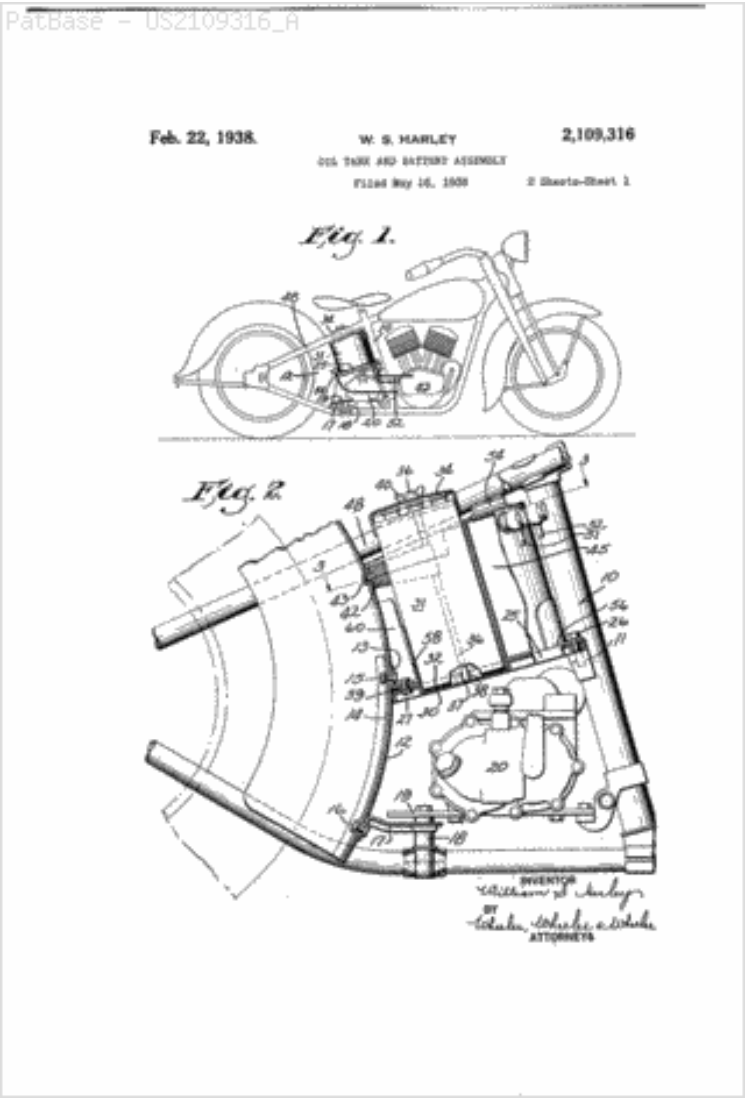
Title:	OIL TANK AND BATTERY ASSEMBLY
Priority:	US19360080036 19360516

Family:

Publication number	Publication date	Application number	Application date
US2109316 A	19380222	US19360080036	19360516

Probable Assignee:	HARLEY DAVIDSON MOTOR CO INC
Assignee(s):(std):	HARLEY DAVIDSON MOTOR CO INC
Assignee(s):	HARLEY DAVIDSON MOTOR COMPANY ; HARLEY DAVIDSON MOTOR CO
Inventor(s):(std):	HARLEY WILLIAM S
International class (IPC 8–9):	B60R17/02 (Advanced/Invention); B60R17/00 (Core/Invention)
International class (IPC 1–7):	B60R17/02
CPC:	B60R17/02
European class:	63K25D B60R17/02
US class:	180/219 180/68.5 280/835
Classification Explorer	
Forward Citations:	USD619934, USD434702, US8061467, US7124844, US6631774, US4765635, US4700795, US4666009, US4445585, US4013300, US3926274, US3227236, US2488360, US2011049162, US2008257630, US2004021348,

Abstract:
Source: US2109316A 1. In a motorcycle, the combination with the saddle post tube, upper rear frame fork and mud guard, of a battery supporting shelf intermediately connecting said tube and mud guard in bracing relation thereto and in a position to support a battery with its top portion extending between and above the arms of said frame fork, said shelf having an upwardly projecting battery retaining cross wall secured to the mud guard at each end, and an oil tank extending around the battery with its ends secured to the cross wall to form a battery receiving socket.



0) JP2006069300A – REAR FENDER FOR MOTORCYCLE

78) Family number: 32858926 (JP2006069300A) © PatBase

Title: REAR FENDER FOR MOTORCYCLE

Priority: JP20040253149 20040831

Family:

Publication number	Publication date	Application number	Application date
JP2006069300 A2	20060316	JP20040253149	20040831
JP4513464 B2	20100728	JP20040253149	20040831

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

Inventor(s):(std)**:** HATA YASUO

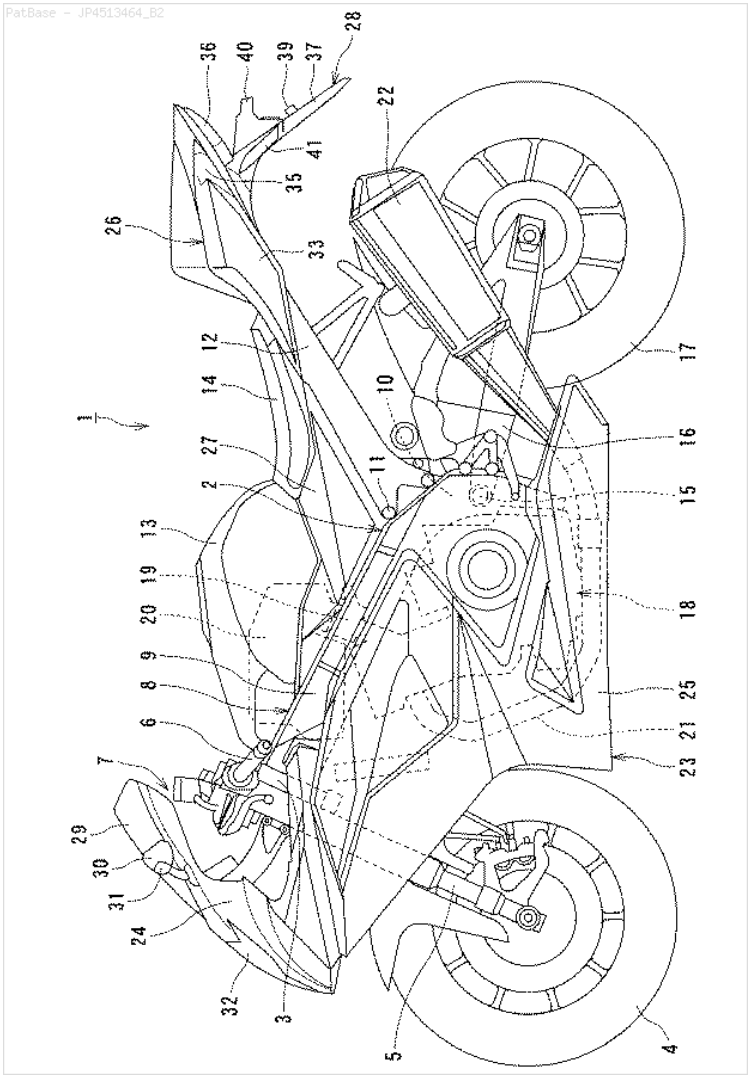
International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J6/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J23/00 B62J6/00 B62J99/00 (Core/Invention)

Classification Explorer

Cited documents: JPS5856642 U, JP58056642 U1, JP58056642 u1, JP58056642 U, JP3030303 U1, JP2004098881 A2, JP2003320979 A2, JP2003237656 A2, JP2003170880 A2, JP2003104265 A2, JP2002029475 A2,

Forward Citations: US8317212, EP2599696,

Abstract:
Source: JP2006069300A PROBLEM TO BE SOLVED: To provide a rear fender for a motorcycle improving mud guard effect. SOLUTION: The motorcycle 1 has a seat tail cover 26 in the rear of a driver's seat 4, and forms a swelling part 33 swelling in a width direction of a vehicle while providing the rear fender 28 below the seat tail cover 26 so as to cover a rear wheel 17 from an upper part, with a rear end part having a built−in turn−signal lamp. While a lens surface 35 of a rear part turn−signal lamp is provided along a lower surface tilted to a rear upper part of the swelling part 33, a mud guard part 37 of the rear fender 28 is formed to be narrower than the rear wheel 17 and so that the width of the lateral direction thereof becomes narrow gradually toward a lower tip end part from an upper base end part. While a mounting part 39 for mounting a license plate 38 is laterally protruded in an approximately center part of the mud guard part 37, a flange−shaped wide edge part 41 is laterally protruded from edge parts of both sides of a portion positioned between the mounting part 39 of the rear fender 28 and a lower surface of the seat tail cover 26.



0) JP2009208618A – CHAIN ADJUSTER FOR MOTORCYCLE

79) Family number: 43800015 (JP2009208618A) © PatBase

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)

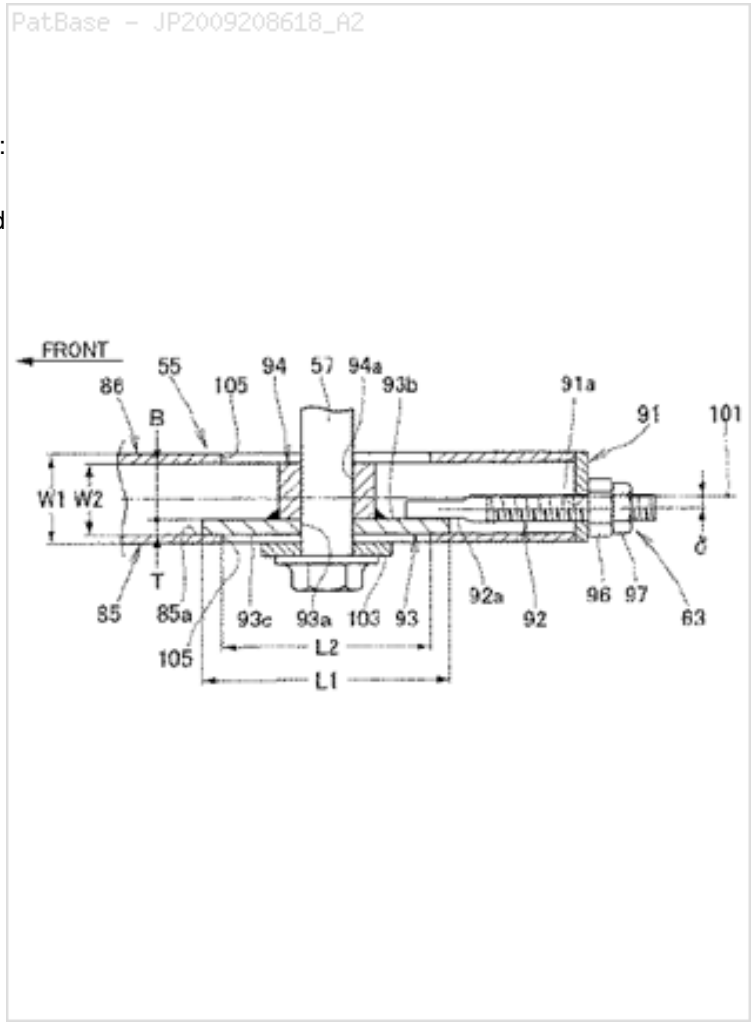
International class (IPC 1–7)**:** B62M9/16

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.



0) CN201834124U – FENDER BRACKET OF MOTORCYCLE

80) Family number: 48945774 (CN201834124U)

© PatBase

Title: Fender bracket of motorcycle

Priority: CN201020572454U 20101022

Family:

Publication number	Publication date	Application number	Application date
CN201834124 U	20110518	CN201020572454U	20101022

Probable Assignee: JIANBIN LIN

Assignee(s):(std)**:** JIANBIN LIN

Assignee(s): LIN JIANBIN

Inventor(s):(std)**:** JIANBIN LIN

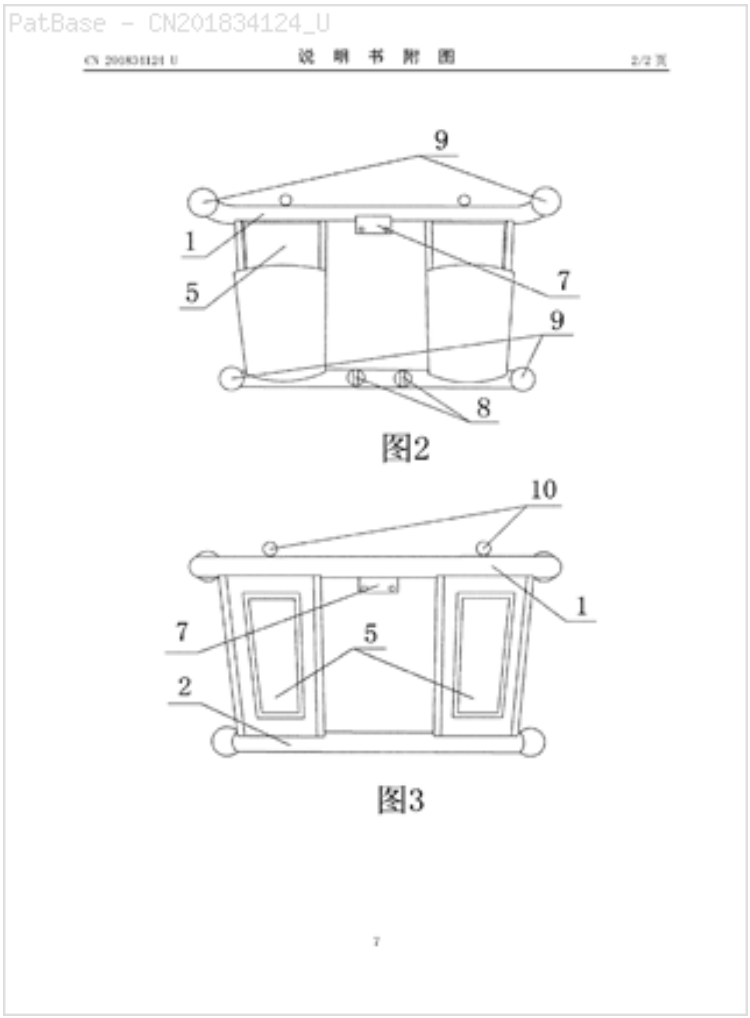
Inventor(s): LIN JIANBIN

International class (IPC 8–9)**:** B62J17/02 B62J27/00 B62J9/00 (Advanced/Invention)

Classification Explorer

Forward Citations: CN102582728,

Abstract:
Source: CN201834124U The utility model relates to a fender bracket of a motorcycle, which comprises a support frame, baffles, and a fixing part for fixing the support frame on the motorcycle, and is characterized in that the support frame consists of an upper bumper and a lower bumper which are parallel to each other, and a left support rod and a right support rod which are respectively arranged between the upper bumper and the lower bumper; two vice rods are also arranged in the support frame in the vertical direction, the two vice rods and the left and the right corresponding support rods are respectively surrounded into two internal frames, and the baffles are arranged in the internal frames. The fender bracket of the motorcycle can play a role of blocking wind, water and mud, and when the motorcycle falls over or is impacted, the fender bracket not only can protect a driver, but also can protect body parts of the motorcycle.



0) JP2013199137A – REAR FENDER STRUCTURE OF SADDLE–RIDE TYPE VEHIC...

81) Family number: 55012894 (JP2013199137A) © PatBase

Title: REAR FENDER STRUCTURE OF SADDLE–RIDE TYPE VEHICLE

Priority: JP20120066954 20120323

Family:

Publication number	Publication date	Application number	Application date
JP2013199137 A2	20131003	JP20120066954	20120323
JP5953082 B2	20160713	JP20120066954	20120323

Probable Assignee: KAWASAKI HEAVY IND LTD

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KK

Inventor(s):(std)**:** IWATA SHIGEYUKI ; KOYANAGI KIICHI

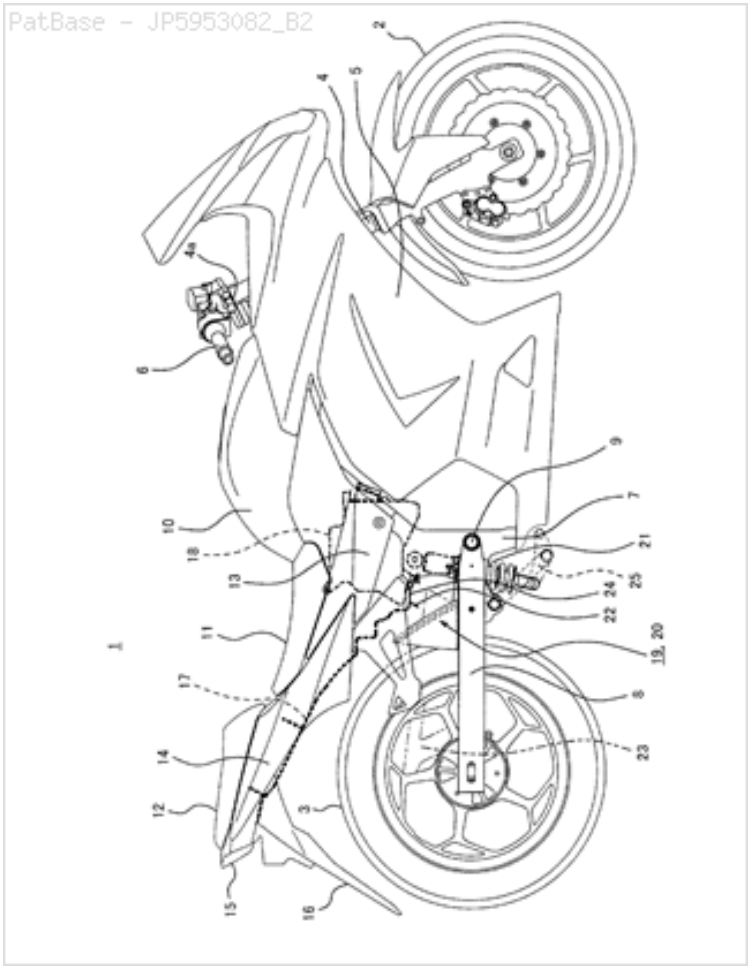
Agent(s): PATENT CORPORATE BODY ARCO PATENT OFFICE

International class (IPC 8–9): B62J15/00 (Advanced/Invention)

Classification Explorer

Cited documents: JP2010070072 A2, JP2001071961 A2, JP11278336 A2, JP11278336,

Abstract:
Source: JP2013199137A PROBLEM TO BE SOLVED: To prevent mud water from splashing to a vehicle accessory in a wide area which is provided in front of a movable rear fender even if the movable rear fender is reduced in size, and to visually appeal a lightness by emphasizing an image of a rear wheel rotation.SOLUTION: A rear fender structure 19 of a saddle–ride type vehicle for preventing mud water splashing from a rear wheel 3 of a motorcycle to a vehicle accessory 21 includes a fixed rear fender 17 provided to a body frame side of the motorcycle, a water shielding convex part 22 which is a front part of the fixed rear fender 17 and projects downward from a lower face at a position behind the vehicle accessory 21, and a movable rear fender 20 that is provided to a rear swing arm 8 by being arranged between the rear wheel 3 and the vehicle accessory 21 and is formed to extend in a direction along a part of an outer circumferential surface of the rear wheel 3.



0) CN205837033U – REFLECTIVE MOTORCYCLE FRONT FENDER MUD STRUCTUR...

82) Family number: 64507428 (CN205837033U)

© PatBase

Title: Reflective motorcycle front fender mud structure (Machine translation)

Priority: CN201620620044U 20160621

Family:

Publication number	Publication date	Application number	Application date
CN205837033 U	20161228	CN201620620044U	20160621

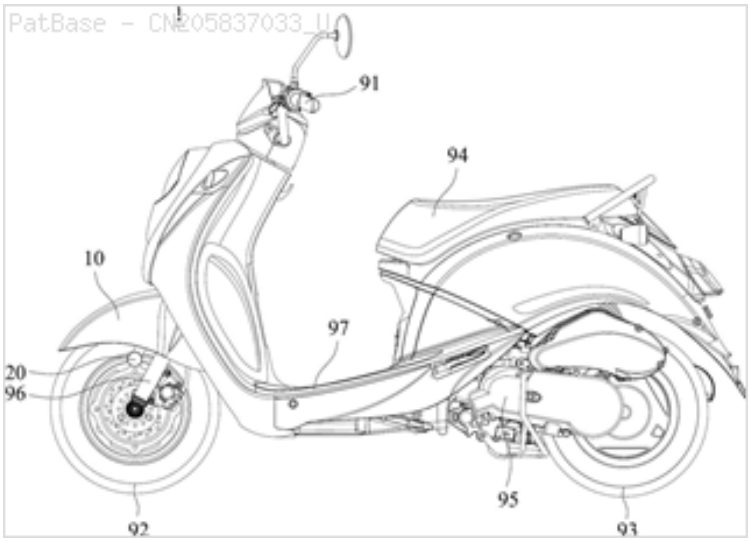
Probable Assignee: SANYANG IND CO LTD

Assignee(s):(std)**:** SANYANG IND CO LTD

International class (IPC 8–9): B62J15/00 B62J6/20 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN205837033U The embodiment of the utility provides a reflective motorcycle front fender mud structure, apply to a locomotive, including resisting and second before a reflective component. Includes a front front mud mud ontology as well as two reflective component fixed, among others, the reflective component, such as a fixed institution shaped body formed on the front of mud wall, and extends to the front fender mud outside the body. The reflective component settings from the reflective components fixed service operators.



0) JP2010126052A – MOTORCYCLE

83) Family number: 43779492 (JP2010126052A) © PatBase

Title: MOTORCYCLE

Priority: JP20080304338 20081128

Family:

Publication number	Publication date	Application number	Application date
CN101746327 A	20100623	CN200810188803	20081226
CN101746327 B	20120919	CN200810188803	20081226
JP2010126052 A2	20100610	JP20080304338	20081128
JP4322309 B1	20090826	JP20080304338	20081128
TW201020154 A	20100601	TW20080147496	20081205
TWI330156 B	20100911	TW20080147496	20081205

Probable Assignee: YAMAHA MOTOR CO LTD

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

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

Inventor(s):(std)**:** CHANG KAN YI ; KENICHI CHO

Inventor(s): CHO KENICHI

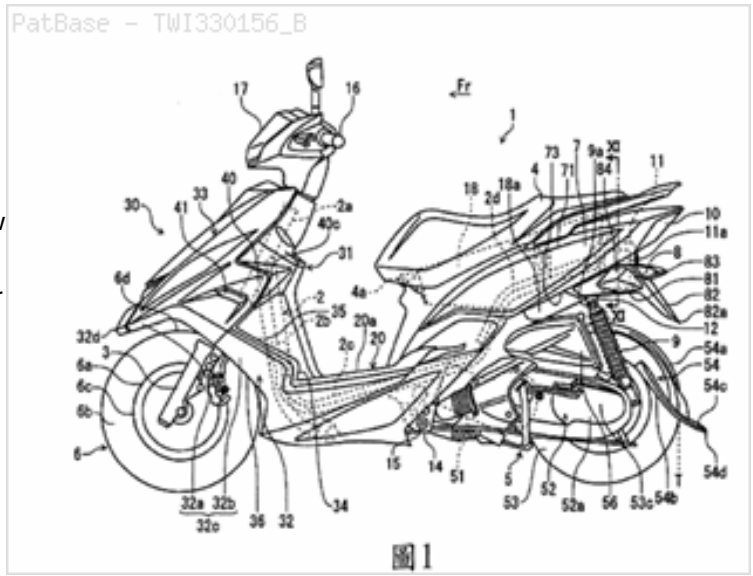
International class (IPC 8–9)**:** B60R13/10 B62J11/00 B62J15/00 B62J15/04 B62J23/00 B62J99/00 (Advanced/Invention); B60R13/00 B62J15/00 B62J23/00 B62J99/00 (Core/Invention); B62J11/00 B62J15/04 (Core/Non–invention)

Classification Explorer

Cited documents: JP6299278, JP2003320979,

Forward Citations: EP2455279, CN103358986, CN103358986, CN102910057, CN102910057, CN102464048, CN102464048, CN102372056, CN102372056,

Abstract:
Source: JP2010126052A PROBLEM TO BE SOLVED: To compatibly realize, on a motorcycle having a unit swing type engine unit, the mud–guard performance of the rear part and miniaturization at a high level. SOLUTION: A scooter type vehicle 1 includes a license plate bracket 8 supported by a vehicle body frame 2 so as to be located below a tail light 10, and a rear fender 54 to cover an upper part of a rear wheel 53. The license plate bracket 8 includes a side part 81 to cover a part 18a of a storage box 18 projecting downwardly from a lower edge 73 of a side cover 7 in side view and a battery box 11, and a rear part 82 to support the license plate. The rear fender 54 extends backwardly from the position T of a rear end of the rear wheel 53, and a lower end 54d of its rear part is located below a lower end 82a of the rear part 82 of the license plate bracket 8.



0) JP4066380A – FRONT FENDER FOR MOTORCYCLE

84) Family number: 29178831 (JP4066380A)

© PatBase

Title: FRONT FENDER FOR MOTORCYCLE

Priority: JP19900179478 19900709

Family:

Publication number	Publication date	Application number	Application date
JP3015960 B2	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 (IPC 1–7): B62J15/00

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.



0) CN200951804Y – BACK GUARD PLATE FOR MOTORCYCLE

85) Family number: 41002704 (CN200951804Y) © PatBase

Title: Back guard plate for motorcycle

Priority: CN200620111409U 20060926

Family:

Publication number	Publication date	Application number	Application date
CN200951804 Y	20070926	CN200620111409U	20060926

Probable Assignee: ZONGSHEN TECH DEV RES CO LTD C

Assignee(s):(std)**:** CHONGQING ZONGSHEN TECHNOLOGY RESEARCH AND DEVELOPMENT CO LTD ; ZONGSHEN TECH DEV RES CO LTD C

Assignee(s): ZONGSHEN TECH DEV RESEARCH CO

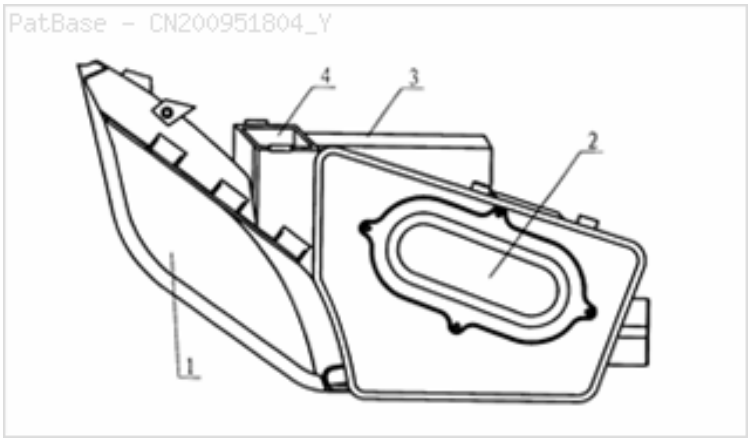
Inventor(s):(std)**:** DAI MAOJUN

Inventor(s): MAOJUN DAI

International class (IPC 8–9): B62J15/04 B62J9/00 (Advanced/Invention); B62J15/00 B62J9/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN200951804Y A rear fender for motorcycle comprises a rear fender body and is characterized in that an accommodating cavity is arranged on the upper part of the rear fender body as a whole for accommodating an air filter. By adopting above technical scheme, the utility model has advantage of convenient assembly and can fend mud, and other accessories can be assembled to the fender. The fender has advantages of high integration, good appearance and reduced labor intensity, and the rear fender body can simultaneously serve as the fender, the housing of the air filter, and the casing of tools.



0) CN202703776U – ENVIRONMENT–FRIENDLY MOTORCYCLE SPLASH GUARD

86) Family number: 52926997 (CN202703776U) © PatBase

Title: ENVIRONMENT–FRIENDLY MOTORCYCLE SPLASH GUARD

Priority: CN201220449694U 20120905

Family:

Publication number	Publication date	Application number	Application date
CN202703776 U	20130130	CN201220449694U	20120905

Probable Assignee: HUANG XIAOLAN

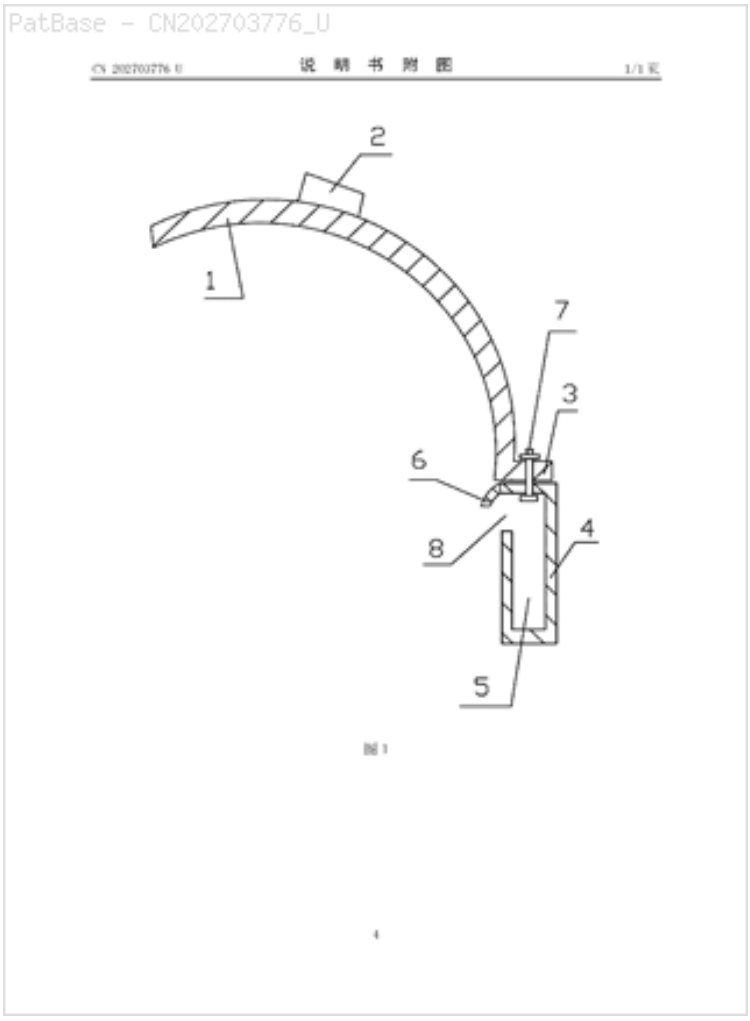
Assignee(s):(std)**:** HUANG XIAOLAN

Inventor(s):(std)**:** HUANG XIAOLAN

International class (IPC 8–9): B62J15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN202703776U An environmentally friendly motorcycle fender, fender involving technical field, including fenders and mounting piece, the lower side of the fender is provided with the level of support, further comprising a dust collection boxes, dust recycling box provided cavity, upper left dust collection boxes provided with an opening on the upper side is provided with a water barrier, bolted between the upper side of the dust collection boxes and brackets, the eco–friendly motorcycle fender can be recovered ground Young From the dust and mud, it has the effect of cleaning the floor and be able to prevent the flow of water into the fender dust collection cartridge opening.



0) TWM488433Y – WHEEL MUDGUARD STRUCTURE

87) Family number: 57704196 (TWM488433Y) © PatBase

Title:	WHEEL MUDGUARD STRUCTURE
Priority:	TW20140210437U 20140613

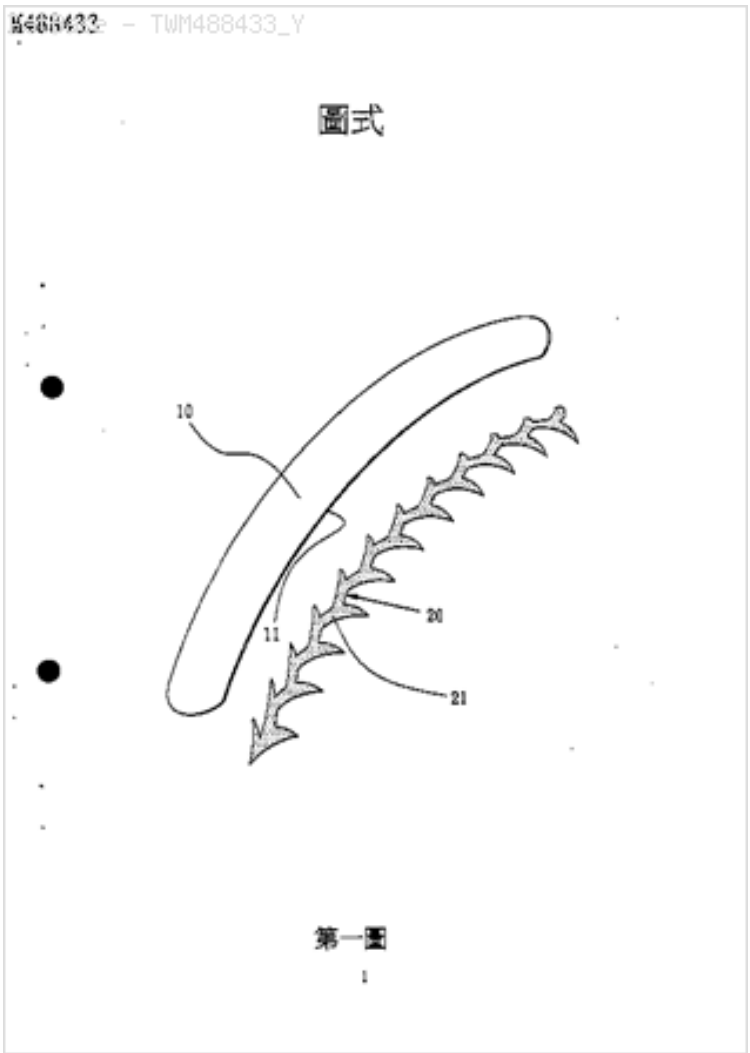
Family:

Publication number	Publication date	Application number	Application date
TWM488433 Y	20141021	TW20140210437U	20140613

Probable Assignee:	JIANG HAI HUAN
Assignee(s):(std)**:**	JIANG HAI HUAN
Assignee(s):	JIANG HAIHUAN
Inventor(s):(std)**:**	JIANG HAI HUAN
International class (IPC 8–9):	B62D25/16 B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: TWM488433Y A wheel fender structure lines comprising: a fender, the fender can be used for the aforementioned bicycle or motorcycle, the aforementioned inner surface side of the mudguard facing the wheel is fixed in a cemented compact or a plurality of multi–connected in a continuous strip of central arc guiding protrusions extending obliquely to the sides, so the fender using the outer periphery of the wheel, the wheel dip in the mud while the centrifugal start up with a splash, is the will to stop Clay timely blocking and mud for many homeopathic guide convex portions and go out on both sides of the discharge guide, so to prevent muddy mess splash stain clothing so that the rider can prevent the accumulation of mud in the fender, also can prevent its wheels were mud back drops.



0) JP10218058A – SCOOTER TYPE MOTORCYCLE

88) Family number: 11008599 (JP10218058A) © PatBase

Title: SCOOTER TYPE MOTORCYCLE

Priority: JP19970026504 19970210

Family:

Publication number	Publication date	Application number	Application date
CN1121327 C	20030917	CN19981006450	19980210
CN1194928 A	19981007	CN19981006450	19980210
JP10218058 A2	19980818	JP19970026504	19970210
TW363022 B	19990701	TW19980101545	19980206

Probable Assignee: YAMAHA MOTOR CO LTD

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

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

Inventor(s):(std)**:** SHIOTANI TOSHIYUKI ; SHIOYA TOSHIYUKI

Inventor(s): TOSHIYUKI SHIOYA

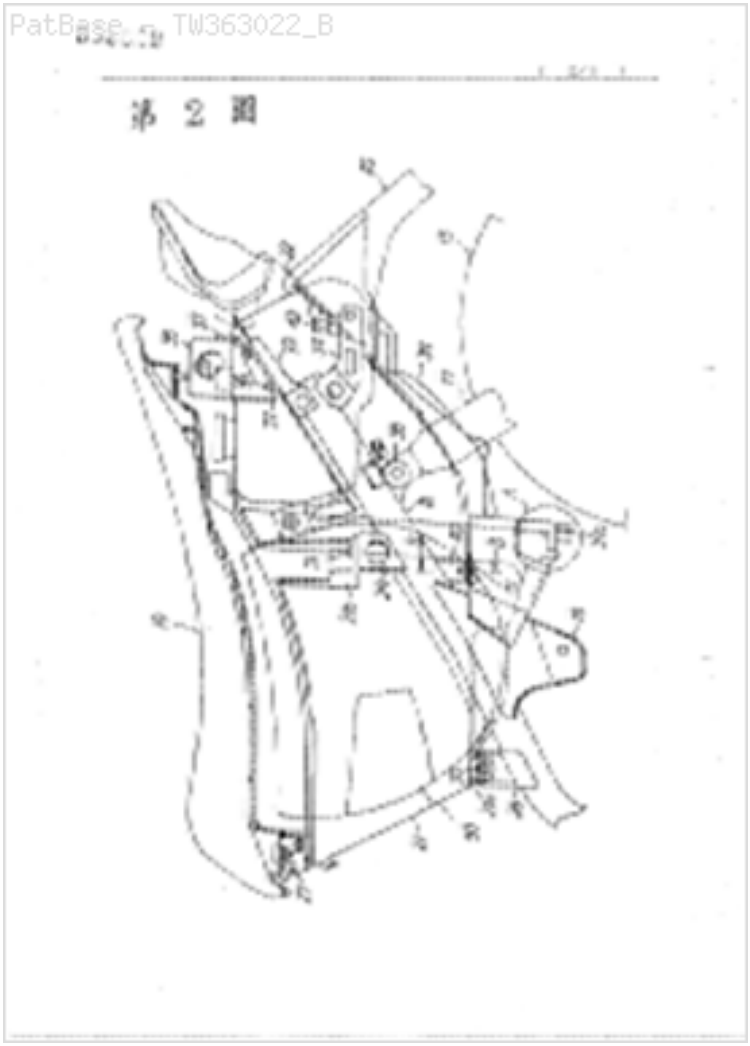
International class (IPC 8–9)**:** B62J15/00 B62J15/04 B62J9/00 B62K11/00 B62K11/10 (Advanced/Invention); B62K11/10 (Advanced/Non–invention); B62J15/00 B62J9/00 B62K11/00 (Core/Invention); B62J15/00 B62K11/00 (Core/Non–invention)

International class (IPC 1–7)**:** B62J15/00 B62J15/04 B62J9/00 B62K11/00 B62K11/10

Classification Explorer

Forward Citations: JP4083555, JP2004182067, ES2249085, EP2455279,

Abstract:
Source: JP10218058A PROBLEM TO BE SOLVED: To provide a scooter type motorcycle possible to prevent generation of an abnormal sound according to collision of a pebble or the like against a storage box at running time. SOLUTION: In this motorcycle, under a seat 10, a storage box 21 is arranged, the upward of a rear wheel 15 is covered with a mud guard 39. Here, a location including at least a rear surface lower part opposed to the rear wheel 15 of the storage box 21 is covered with the mud guard 39. Since the location including at least the rear surface lower part opposed to the rear wheel 15 of the storage box 21 is covered with the mud guard 39, collision against the storage box 21 of a pebble or the like sprung by the rear wheel 15 is effectively prevented, generation of an abnormal sound according to collision against the storage box 21 of the pebble or the like is prevented, an uncomfortable feeling of a rider is eliminated.



0) JP6135362A – FENDER OF MOTORCYCLE

89) Family number: 11215286 (JP6135362A)

© PatBase

Title: FENDER OF MOTORCYCLE

Priority: JP19920290518 19921028

Family:

Publication number	Publication date	Application number	Application date
JP6135362 A2	19940517	JP19920290518	19921028

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

Inventor(s):(std)**:** MIZUGUCHI YUUJIROU

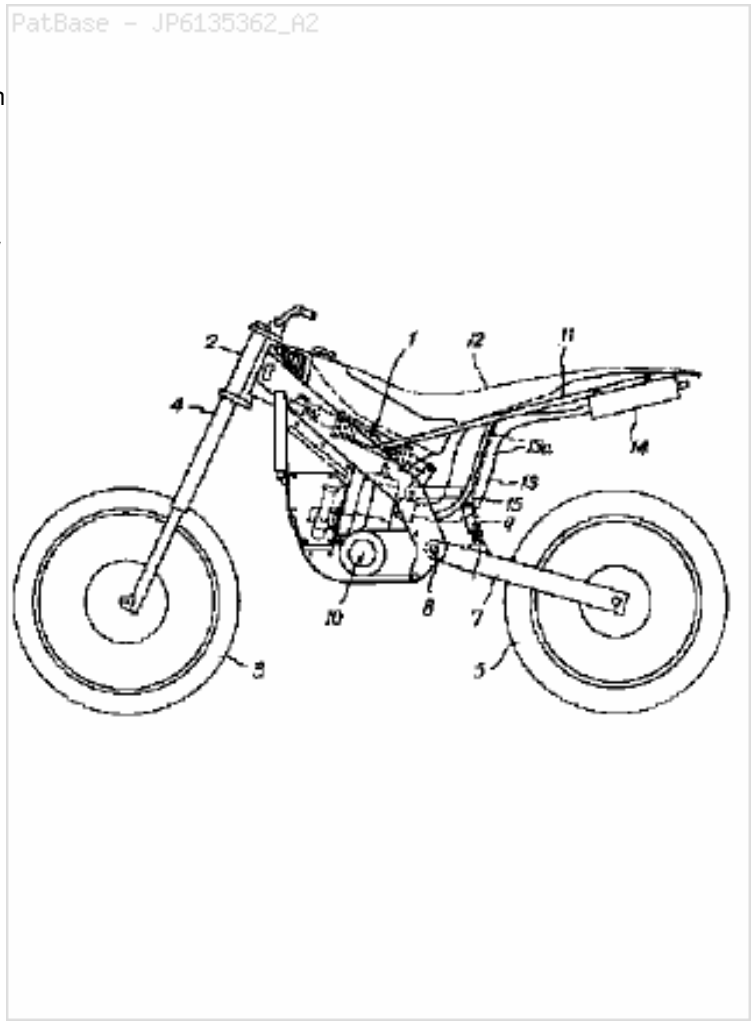
International class (IPC 8–9)**:** B62J15/00 (Advanced/Invention); B62J15/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00

Classification Explorer

Forward Citations: US8979132, ITPS20100029, EP2562068,

Abstract:
Source: JP6135362A PURPOSE: To make mud hardly adhere to the back of a fender and its vicinity and to automatically expel mud even if the mud adheres thereto by stretching a metallic mesh material on the outer surface in a position of a body frame where an exhaust pipe is disposed. CONSTITUTION: The mud splashed by wheels during running adheres to a mesh material. The adhering mud is dried by heat of an exhaust pipe 13, whereby the contact area with the mesh material 5 is so small that the mud is forced to fall off by the vibration of an engine 10 and a car body. As the running wind passes through the mesh material 15, the mesh material functions as a cooling fin for the exhaust pipe 13 so that the efficiency of cooling the exhaust pipe 13 can be increased.



0) JP2037093A – FRONT FENDER DEVICE FOR MOTORCYCLE

90) Family number: 15153680 (JP2037093A)

© PatBase

Title: FRONT FENDER DEVICE FOR MOTORCYCLE

Priority: JP19880185360 19880727

Family:

Publication number	Publication date	Application number	Application date
JP2037093 A2	19900207	JP19880185360	19880727
JP2725293 B2	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

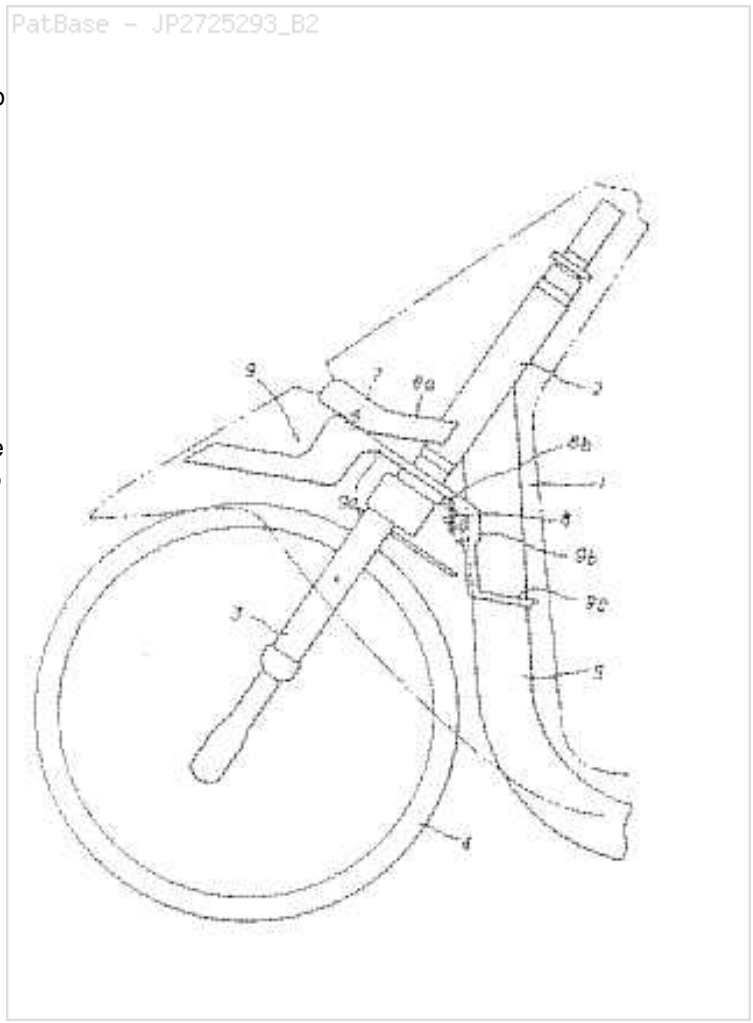
International class (IPC 8–9)**:** B62J15/00 (Advanced/Invention)

International class (IPC 1–7)**:** B62J15/00

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.



0) JP4112818B – SCOOTER TYPE VEHICLE

91) Family number: 27956608 (JP4112818B) © PatBase

Title: SCOOTER TYPE VEHICLE

Priority: JP20010142254 20010511

Family:

Publication number	Publication date	Application number	Application date
JP2002331977 A2	20021119	JP20010142254	20010511
JP4112818 B2	20080702	JP20010142254	20010511

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSHIKI KAISHA

Inventor(s):(std)**:** DOSAKA SUSUMU ; KAWAMATA MASAHIRO ; OGAWA MASAO

International class (IPC 8–9)**:** B62J15/00 B62J17/06 B62J23/00 B62K11/02 (Advanced/Invention); B62J15/00 B62J17/00 B62J23/00 B62K11/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J17/06 B62J23/00 B62K11/02

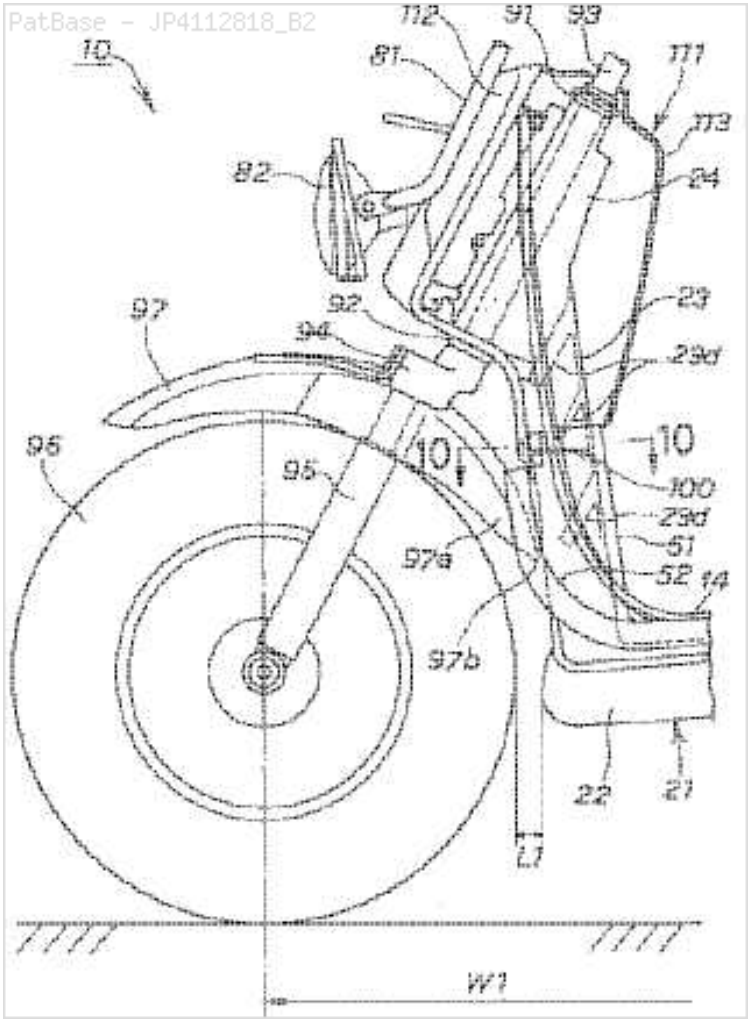
CPC: B62K11/02

Classification Explorer

Cited documents: JP5860589 U,

Forward Citations: WO16051548, US9434243, TWI362339, JP5623775, JP2011213223, JP2011063068, JP2007126126, JP2007045346, ES2249085, EP2957490,

Abstract:
Source: JP4112818B PROBLEM TO BE SOLVED: To prevent the mud splashed by a front wheel from proceeding to a steering shaft supporting bearing when raising the rear end of a front fender. SOLUTION: This scooter type vehicle 10 is a motorcycle comprising a front frame part 23 raised up from the front part of a center frame 22 for supporting a footrest 14, a head pipe 24 provided on the front frame part 23, a steering shaft 93 rotatably mounted on the head pipe through bearings 91 and 92 to steer the front wheel 96 by the steering shaft 93, and a front fender 97 arranged above the front wheel 96. A mudguard member 100 is arranged on the front frame part 23 in an upper position than the rear end 97b of the front fender 97. The mud splashed by the front wheel 96 can be prevented from proceeding to the bearings 91 and 92.



0) JP4133885A – REAR FENDER DEVICE FOR MOTORCYCLE

92) Family number: 29148909 (JP4133885A)

© PatBase

Title: REAR FENDER DEVICE FOR MOTORCYCLE

Priority: JP19900254622 19900925

Family:

Publication number	Publication date	Application number	Application date
JP3001245 B2	20000124	JP19900254622	19900925
JP4133885 A2	19920507	JP19900254622	19900925

Probable Assignee: YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** UEDA MASANOBU

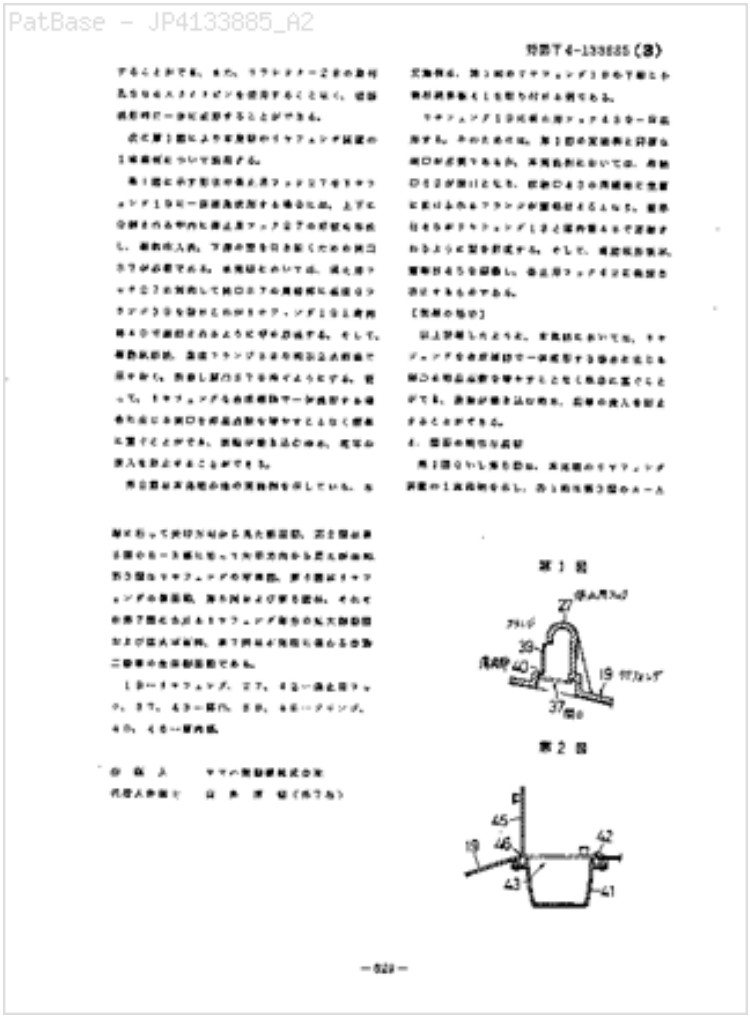
International class (IPC 8–9): B62J15/00 (Advanced/Invention); B62J15/00 (Core/Invention)

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

Classification Explorer

Forward Citations: JP5703549, JP5510711, JP2011161874, JP2011057529, JP2007055487,

Abstract:
Source: JP4133885A PURPOSE: To prevent invasion of rain water, mud, and the like rolled in with a rear wheel by providing flanges connected to the peripheral edge of openings through thin wall parts opposite to locking hooks, in a rear fender provided with the openings formed out of synthetic resin and locking hooks formed on the peripheral edge of openings. CONSTITUTION: In a rear fender 19 fitted to the rear part of seat rails 4 of a motorcycle, locking hooks 27 are formed on two position in the middle part, and by hooking a rubber band 31 with the locking hooks 27 and a locking piece 30, a receiving bag 32 for tools and the like can be fixed in the rear fender 19. When the locking hooks 27 are molded in one body with the rear fender 19 out of resin, for closing openings 37 necessary for taking out a female mold, vertical flanges 39 are provided on the peripheral edge part of the openings 37 opposite to the locking hooks 37 and connected to the rear fender 19 through thin wall parts 40. After resin molding, the vertical flanges 39 are bent as shown in the two dot chain line to close the openings 37.



0) BRMU8800761U – DISPOSICAO APLICADA EM PARA–LAMA PARA MOTOCICLE...

93) Family number: 43853435 (BRMU8800761U) © PatBase

Title: disposicao aplicada em para–lama para motocicletas e similares Disposition applied in fender for motorcycles and similar (Machine translation)

Priority: BR2008MU00761U 20080227

Family:

Publication number	Publication date	Application number	Application date
BRMU8800761 U2	20090613	BR2008MU00761U	20080227

Probable Assignee: MORAES AMARILDO CALDEIRA

Assignee(s):(std)**:** MORAES AMARILDO CALDEIRA

Assignee(s): AMARILDO CALDEIRA MORAES

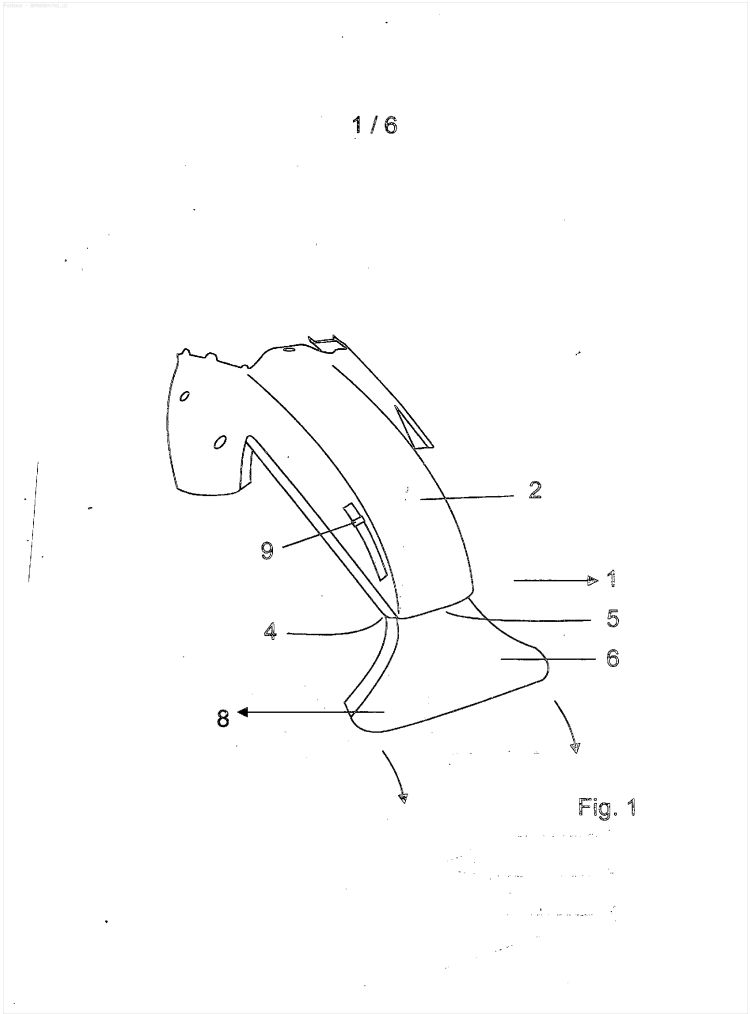
Inventor(s):(std)**:** MORAES AMARILDO CALDEIRA

Inventor(s): AMARILDO CALDEIRA MORAES

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

Classification Explorer

Abstract:
Source: BRMU8800761U 1 M v. ttW T61 RESUMO "OfSPOS/CAO APUCAOA EM PARA–LAMA PARA MOTOCICLETAS E SIMILARES Refere–se o presente objeto a um inedito e funcional modelo de para–barro retratil, alojado no para–choque traseiro da motocicleta, de acionamento manual ou automatico, atraves de uma chave deslizante ou botao de acionamento, evitando que respingos de agua, lama e outros atinjam o motoqueiro. _ V 1M. TTW T61 SUMMARY "OfSPOS / CAO APUCAOA IN TO–MUD FOR MOTORCYCLES AND SIMILAR refers to the present object to an unpublished and functional model for clay–retractable, housed in the rear bumper of the motorcycle, manual or automatic drive, through a slide switch or trigger button, preventing water splashes, mud and other reach the biker. _



0) JP2002302081A – REAR FENDER STRUCTURE FOR MOTORCYCLE

94) Family number: 24108333 (JP2002302081A) © PatBase

Title: REAR FENDER STRUCTURE FOR MOTORCYCLE

Priority: JP20010105607 20010404

Family:

Publication number	Publication date	Application number	Application date
CN1265995 C	20060726	CN20021007831	20020322
CN1378941 A	20021113	CN20021007831	20020322
JP2002302081 A2	20021015	JP20010105607	20010404
JP4383002 B2	20091216	JP20010105607	20010404

Probable Assignee: HONDA MOTOR CO LTD

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

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

Inventor(s):(std)**:** KOMEI TSUKUI ; MIKAMI TAKAO ; TAKAO MIKAMI ; TAKAO TSUKUI KOMEI MIKAMI ; TSUKUI HIROAKI ; TSUKUI KOMEI

Inventor(s): TSUKUI KOMEI MIKAMI TAKAO

International class (IPC 8–9)**:** B62J15/00 B62J15/04 B62J23/00 (Advanced/Invention); B62J15/00 B62J23/00 (Core/Invention)

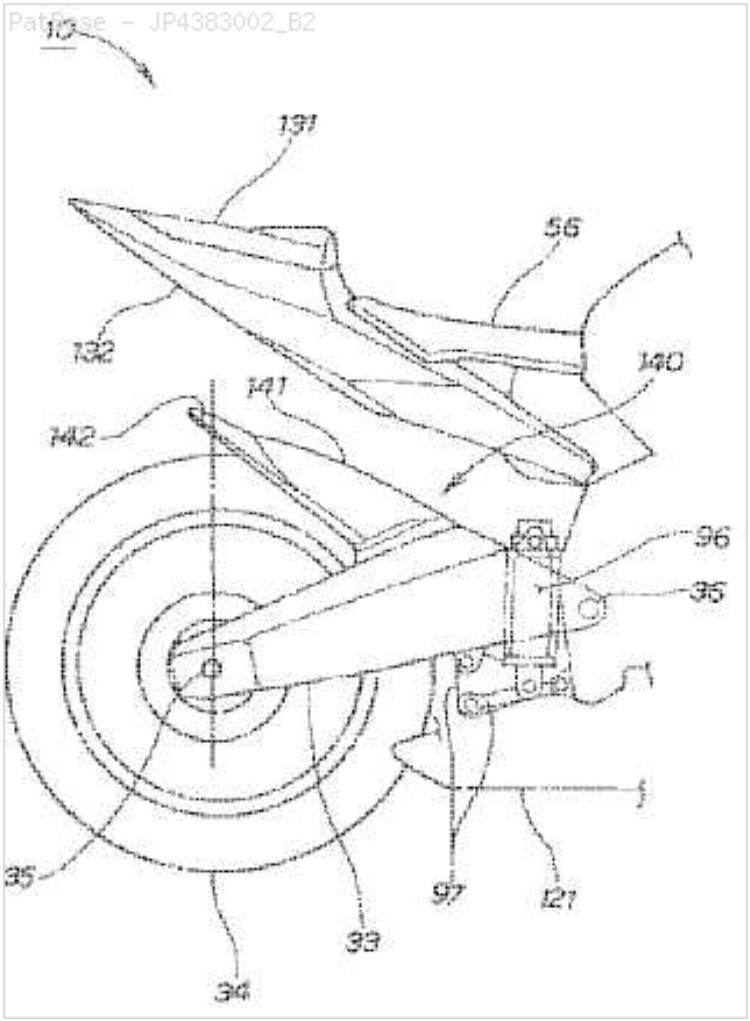
International class (IPC 1–7)**:** B62J15/00 B62J15/04 B62J23/00

Classification Explorer

Cited documents: JP57174290 U, JP200280560,

Forward Citations: WO16159895, JP2006327483, EP3141465, CN105109588,

Abstract:
Source: JP2002302081A PROBLEM TO BE SOLVED: To improve a flow of traveling wind between a lower edge of a rear cowl and a rear upper side of a rear fender, and generate downward force in the rear fender to add a rear spoiler effect for pressing rear wheels downwards as a result thereof.SOLUTION: In a motorcycle 10 of which the body rear part is surrounded by the rear cowl 131 and wherein the rear fender 140 arranged on the lower side of the rear cowl 131 is attached to a swing arm 33, the lower edge 132 of the rear cowl 131 is inclined substantially linearly toward its rear upper side, and an upper face of the rear fender 140 is inclined substantially linearly toward its rear upper side to be made parallel to the lower edge 132 of the rear cowl 131.



0) JP2003072621A – BATTERY ARRANGEMENT STRUCTURE FOR MOTORCYCLE

95) Family number: 28483034 (JP2003072621A) © PatBase

Title: BATTERY ARRANGEMENT STRUCTURE FOR MOTORCYCLE

Priority: JP20010264681 20010831 JP20010264708 20010831

Family:

Publication number	Publication date	Application number	Application date
ITTO20020737 A0	20020821	IT2002TO00737	20020821
ITTO20020737 A1	20030301	IT2002TO00737	20020821
JP2003072621 A2	20030312	JP20010264708	20010831
JP2003072629 A2	20030312	JP20010264681	20010831
JP4132754 B2	20080813	JP20010264681	20010831
JP4367602 B2	20091118	JP20010264708	20010831

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSHIKI KAISHA

Inventor(s):(std)**:** NAKANISHI YUTAKA ; YOSHIMURA TOSHIHIRO

International class (IPC 8–9)**:** B62J11/00 B62J15/00 B62J23/00 B62J9/00 B62K11/00 B62M7/02 (Advanced/Invention); B62J11/00 B62J15/00 B62J23/00 B62J9/00 B62M7/00 (Core/Invention)

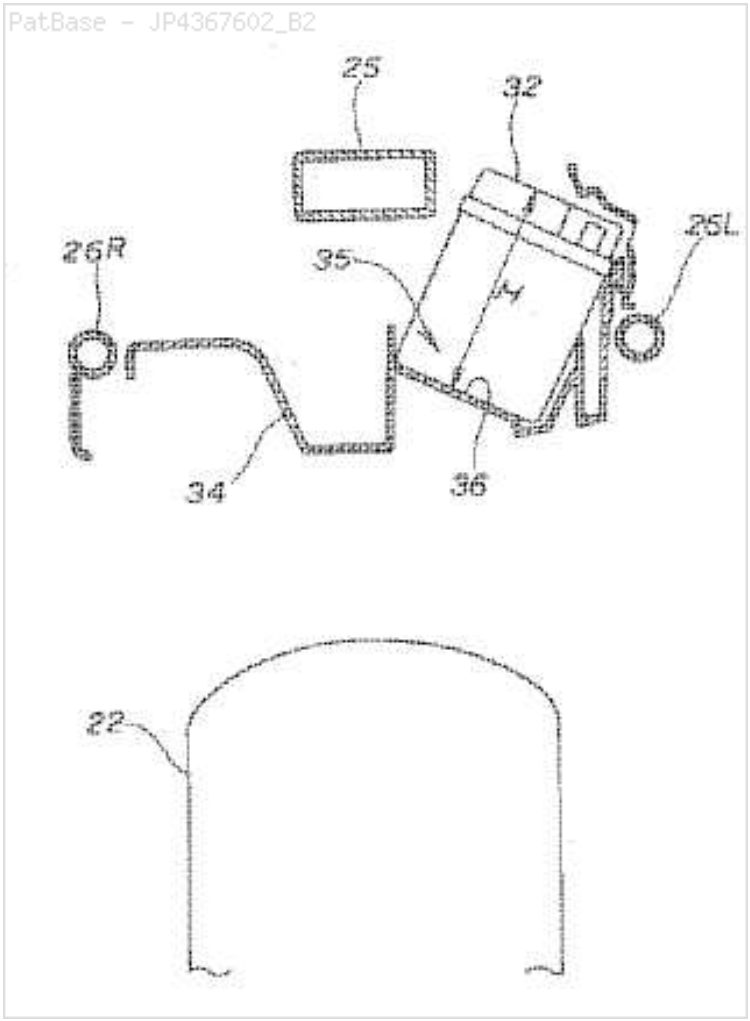
International class (IPC 1–7)**:** B62J11/00 B62J23/00 B62J9/00

Classification Explorer

Cited documents: JP6440784 U, JP6052337 U, JP2770168 B2, JP1081274, JP07251775, JP0592783, JP05278656, JP0443177, JP02197484, JP02121388 U,

Forward Citations: JP2015143042, JP2011152901, JP2007055487, JP2006327483,

Abstract:
Source: JP2003072621A PROBLEM TO BE SOLVED: To improve foot attachment by lowering a seat rail and decreasing a distance from the ground to a seat upper surface, and to easily increase the capacity of a battery by enabling enlarging the battery, in a motorcycle wherein the seat rail is disposed in a vehicular width center.SOLUTION: A battery 32 is inclined to a vehicular width direction side part, thereby avoiding interference with a seat rail 25. Consequently, the seat rail 25 can be lowered and the capacity of the battery can be easily increased.



0) CN2887719Y – MOTORCYCLE PEDAL WITH SIDE–TURNING PALLET BOARD...

96) Family number: 34509873 (CN2887719Y) © PatBase

Title: Motorcycle pedal with side–turning pallet board simultaneously as mud baffle

Priority: CN200520010256U 20051102

Family:

Publication number	Publication date	Application number	Application date
CN2887719 Y	20070411	CN200520010256U	20051102

Probable Assignee: HUANG SHAOXUAN

Assignee(s):(std)**:** HUANG SHAOXUAN

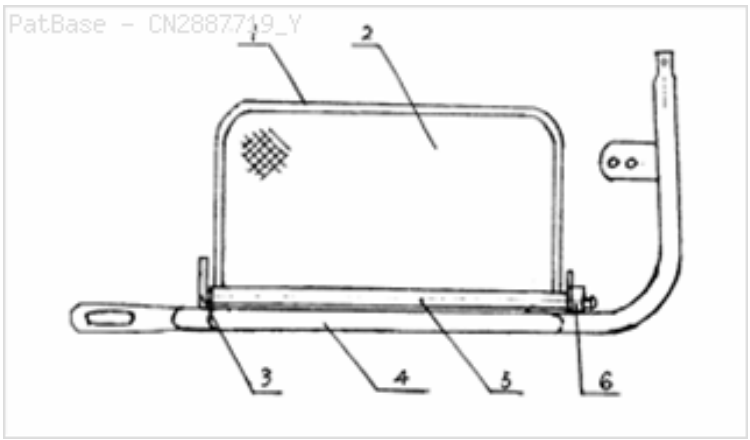
Inventor(s):(std)**:** HUANG SHAOXUAN LI

Inventor(s): SHAOXUAN LI HUANG

International class (IPC 8–9)**:** B62J15/04 B62J25/00 B62J7/00 (Advanced/Invention); B62J15/00 B62J25/00 B62J7/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2887719Y The utility model relates to an autobike pedal with a side reversal goods rack and a fender, comprising a pedal assembly and a side reversal goods rack which is connected with the pedal assembly. The utility model is made by fixing a fender on the side reversal goods rack based on the structure of existing side reversal goods rack horse. When the goods rack is folded and arranged at the two sides of the automobile wheel, the fender on the goods rack can hold back the mud and water spilled from the wheel and can prevent the feet of the rider from dirt. When the goods rock is unfolded to carry goods, the mud and water spilled up from the ground can also be held back, which can protect the goods from dirt. Under the condition without affecting the originally possessed functions, the functions of the horse are expanded to carry people and goods with the effect of mud block and decoration. Besides, the structure is simple and reasonable, which makes the use easier.



0) FR2915727B – PORTE BAGAGE AVANT POUR MOTO

97) Family number: 42471335 (FR2915727B) © PatBase

Title: PORTE BAGAGE AVANT POUR MOTO

Priority: FR20070003172 20070503

Family:

Publication number	Publication date	Application number	Application date
FR2915727 A1	20081107	FR20070003172	20070503
FR2915727 B1	20090731	FR20070003172	20070503

Probable Assignee: MATHIAS PASCAL

Assignee(s):(std)**:** MATHIAS PASCAL

Assignee(s): PASCAL MATHIAS

Inventor(s):(std)**:** MATHIAS PASCAL

Inventor(s): PASCAL MATHIAS

Agent(s): PASCAL MATHIAS

International class (IPC 8–9): B62J7/06 B62J7/08 (Advanced/Invention); B62J7/00 (Core/Invention)

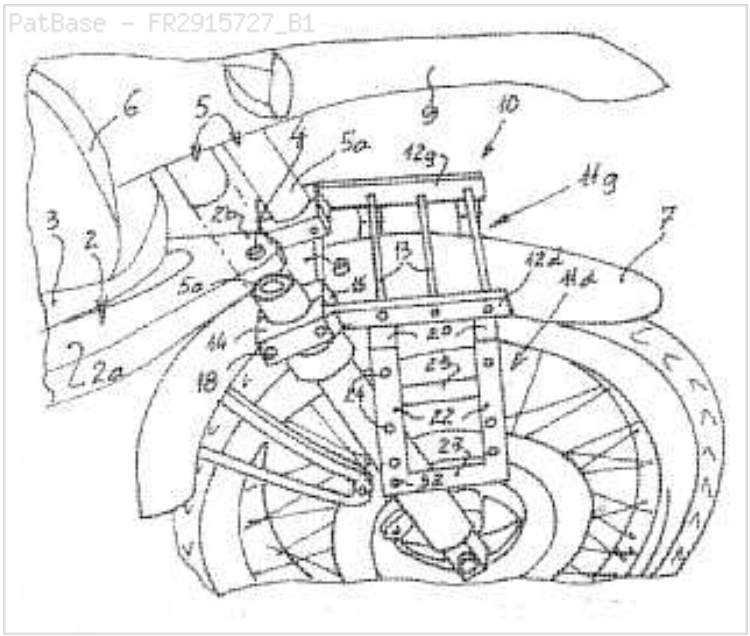
CPC: B62J7/06

European class: B62J7/06

Classification Explorer

Cited documents: WO0200493 A1, US3948424 A, JP8002462 A2,

Abstract:
The rack has a frame (10) formed by two spaced lateral main beams (12d, 12g) that are connected by crossbars (13), where each beam comprises a clamp (14) arranged at its rear end. The clamp cooperates with a support frame (15) that is fixed on it by a screw (18) for holding bottom sleeves (5a) of a telescopic suspension damper (5). The sleeves extend up to a level of a reservoir (6), and are connected by a crossbar (8) above a mud guard (7). The clamp includes a semi cylindrical cavity turned towards inside.



0) CN101372250A – MOTORCYCLE FRONT MUDGUARD RACK

98) Family number: 43074298 (CN101372250A) © PatBase

Title:	Motorcycle front mudguard rack
Priority:	CN200710035609 20070824

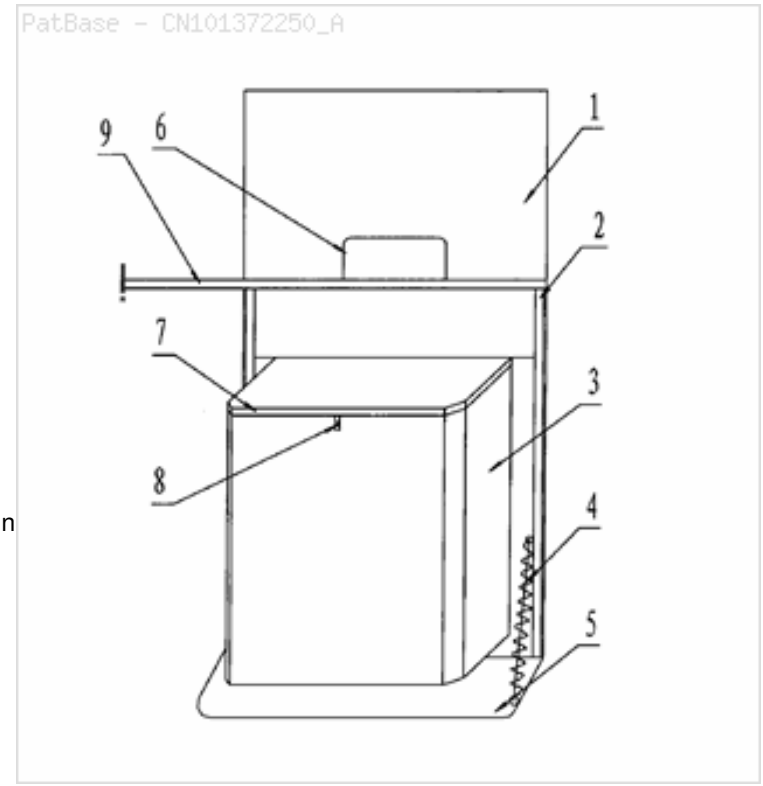
Family:

Publication number	Publication date	Application number	Application date
CN101372250 A	20090225	CN200710035609	20070824

Probable Assignee:	XINGYUN ZHANG
Assignee(s):(std):	XINGYUN ZHANG
Assignee(s):	ZHANG XINGYUN
Inventor(s):(std):	XINGYUN ZHANG
Inventor(s):	ZHANG XINGYUN
International class (IPC 8–9):	B62J15/00 B62J17/00 B62J17/02 B62J9/00 (Advanced/Invention); B62J15/00 B62J17/00 B62J9/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN101372250A The invention discloses a front fender rack of a motorbike, aiming at solving technical problems, for example, a rider or a passenger on a usual existing motorbike for men is liable to be wetted by mud and water and the motorbike for men can not keep off wind and is inconvenient for placing articles. The main points of the technical proposal are: a front baffle is fixedly installed at one side or two sides of a crossbeam; a storage box is fixedly connected to the rear side of the front baffle positioned at the lower part of the crossbeam, the lower part of the front baffle is movably matched and provided with a fender; and springs are matched and arranged between the fender and the front baffle or between the fender and the storage box. The front fender rack not only can keep the legs of the rider from wind and rain, but also can store a certain amount of articles. The front fender rack is very convenient in installation and use and widely applicable to every type of usual motorbikes for men.



0) CN201231824Y – MAN MOTORCYCLE FORE WHEEL MUD–GUARD CAPABLE OF ...

99) Family number: 43249289 (CN201231824Y)

© PatBase

Title: MAN MOTORCYCLE FORE WHEEL MUD–GUARD CAPABLE OF ROLLING–UP

Priority: CN200820050009U 20080627

Family:

Publication number	Publication date	Application number	Application date
CN201231824 Y	20090506	CN200820050009U	20080627

Probable Assignee: HUAILU MO

Assignee(s):(std)**:** HUAILU MO

Assignee(s): MO HUAILU

Inventor(s):(std)**:** HUAILU MO

Inventor(s): MO HUAILU

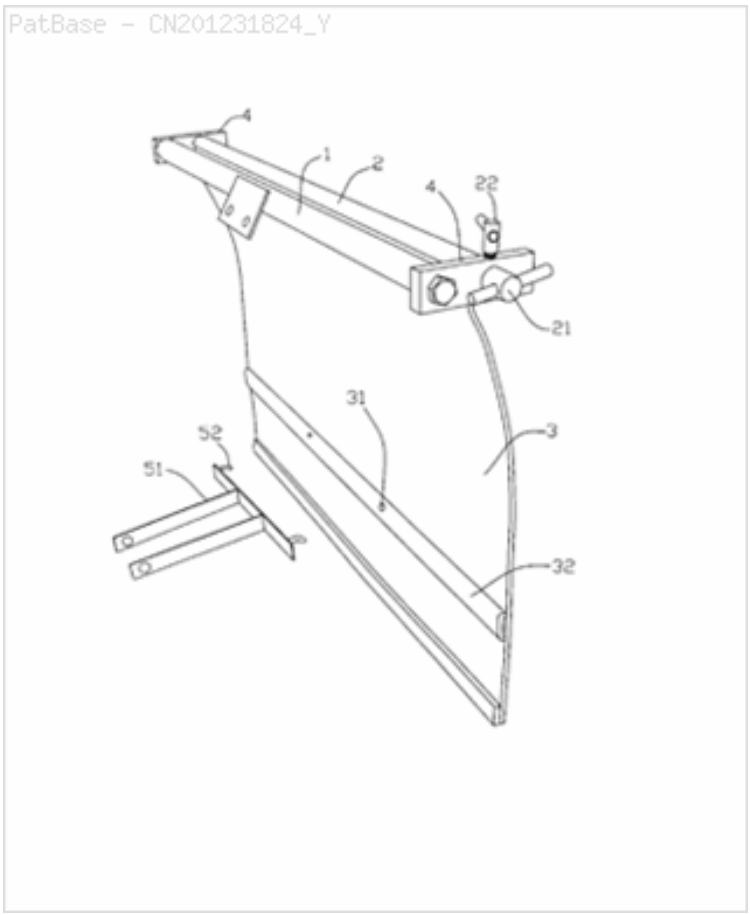
International class (IPC 8–9): B62J15/04 (Advanced/Invention); B62J15/00 (Core/Invention)

CPC: B62J21/00 B62J15/00

Classification Explorer

Forward Citations: EP2921384, CN103624001,

Abstract:
Source: CN201231824Y The utility model relates to a retractable man–style motorbike front wheel fenderboard; wherein, the fenderboard includes an upper bracket which is arranged on an inclined beam of the motorbike; a rotating shaft is arranged between the both ends of the upper bracket; a flexible baffle plate is coiled on the rotating shaft; a rolling device which can lead the flexible baffle plate to be rolled is arranged at one end of the rotating shaft; the fenderboard adopts the flexible baffle plate; the fenderboard can be rolled up through the rotating shaft at the time of sunshine so as not to generate the wind resistance; and the fenderboard can be drawn down to block off the mud and water splashed by the front wheel during raining weather so as to protect the trousers of riders; the design has the advantages that the structure is reasonable, and the use is convenient.



0) CN301300191S – MOTORCYCLE FRONT FENDER (265) (MACHINE TRANSL...

100) Family number: 46721778 (CN301300191S) © PatBase

Title: Motorcycle front fender (265) (Machine translation)

Priority: CN200930246646F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301300191 S	20100804	CN200930246646F	20091229

Locarno class: 12/11

Abstract:
Source: CN301300191S [Source: Claim 1]
1. Designs Product Name: Motorcycle front fender (265). 2. Designs Product use: The product design is installed in the front of the motorcycle, the main role: A, a barrier motorcycle driving course brought up by the front tire on the road surface water, mud and other stolen goods dirty driver role. B, decorate the front of the motorcycle. 3. design product design points: front view, a plan view and a perspective view of the overall shape of the display. The main view indicates that this product is the most design elements of the picture. 5. The bottom view is not easy to see, omitted bottom view.

0) CN301300193S – MOTORCYCLE FRONT FENDER (228A) (MACHINE TRANS...

101) Family number: 46721789 (CN301300193S) © PatBase

Title: Motorcycle front fender (228A) (Machine translation)

Priority: CN200930246660F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301300193 S	20100804	CN200930246660F	20091229

Locarno class: 12/11

Abstract:
Source: CN301300193S [Source: Claim 1] 1. Designs Product Name: Motorcycle front fender (228A). 2. Designs Product use: The product design is installed in the front of the motorcycle, the main role: A, a barrier motorcycle driving course brought up by the front tire on the road surface water, mud and other stolen goods dirty driver role. B, decorate the front of the motorcycle. 3. design product design points: front view, a left side view and a top view of the overall shape of the display. The main view indicates that this product is the most design elements of the picture. 5. The symmetrical rear view and a front view, a bottom view and a right view is not easy to see, after the omission of the view, a bottom view and a right view.

0) CN301308710S – MOTORCYCLE FRONT FENDER (261) (MACHINE TRANSL...

102) Family number: 46730280 (CN301308710S) © PatBase

Title: Motorcycle front fender (261) (Machine translation)

Priority: CN200930246654F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301308710 S	20100811	CN200930246654F	20091229

Locarno class: 12/11

Abstract:
Source: CN301308710S [Source: Claim 1]
1. Designs Product Name: Motorcycle front fender (261). The front section, the main role of the design product is installed in a motorcycle:: 2. Designs Product use A, a barrier motorcycle driving course brought up by the front tire on the road surface water, mud and other dirty driving stolen goods member. B, decorate the front of the motorcycle. 3. Designs Product design elements: a plan view, a left side view and a perspective view of the overall shape of the display. 4. The photo shows a plan view of the design features of the product can show pictures. 5. The right view and left view of symmetry, bottom is not easy to see, right side view and a bottom view omitted.

0) CN301308712S – MOTORCYCLE REAR FENDER (261) (MACHINE TRANSLA...

103) Family number: 46730283 (CN301308712S) © PatBase

Title: Motorcycle rear fender (261) (Machine translation)

Priority: CN200930246656F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301308712 S	20100811	CN200930246656F	20091229

Locarno class: 12/11

Abstract:
Source: CN301308712S [Source: Claim 1]
1. Designs Product name: motorcycle fender (261). 2. Designs Product use: The product design is installed in the rear of the motorcycle from the rear wheel to prevent the motorcycle brought up mud splashed on the driver's body, and acts as decorative motorcycle rear. 3. design product design points: front view, a left side view of the overall shape of the display. The main view indicates that this product is the most design elements of the picture. 5. The bottom view is not easy to see, right side view and a bottom view omitted.

0) CN301308714S – MOTORCYCLE REAR FENDER (228A) (MACHINE TRANSL...

104) Family number: 46730296 (CN301308714S) © PatBase

Title: Motorcycle rear fender (228A) (Machine translation)

Priority: CN200930246661F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301308714 S	20100811	CN200930246661F	20091229

Locarno class: 12/11

Abstract:
Source: CN301308714S [Source: Claim 1]
1. Designs Product name: motorcycle fender (228A). 2. Designs Product use: The product design is installed in the rear of the motorcycle from the rear wheel to prevent the motorcycle brought up mud splashed on the driver's body, and acts as decorative motorcycle rear. 3. Designs Product design elements: a plan view, a left side view and a perspective view of the overall shape of the display. The main view indicates that this product is the most design elements of the picture. 5. The bottom view is not easy to see, omitted bottom view and a rear view.

0) CN301318813S – MOTORCYCLE FRONT FENDER (265) (MACHINE TRANSL...

105) Family number: 46740226 (CN301318813S) © PatBase

Title: Motorcycle front fender (265) (Machine translation)

Priority: CN200930246643F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301318813 S	20100818	CN200930246643F	20091229

Locarno class: 12/11

Abstract:
Source: CN301318813S [Source: Claim 1]
1. Designs Product Name: Motorcycle front fender (265). 2. Designs Product use: The product design is installed in the rear of the motorcycle from the rear wheel to prevent the motorcycle brought up mud splashed on the driver's body, and acts as decorative motorcycle rear. 3. design product design points: front view, a left side view and a top view of the whole building type display. The main view indicates that this product is the most design elements of the picture. 5. The right view is not easy to see, right view is omitted.

0) CN301318814S – MOTORCYCLE FRONT FENDER (228A) (MACHINE TRANS...

106) Family number: 46740235 (CN301318814S) © PatBase

Title: Motorcycle front fender (228A) (Machine translation)

Priority: CN200930246662F 20091229

Family:

Publication number	Publication date	Application number	Application date
CN301318814 S	20100818	CN200930246662F	20091229

Locarno class: 12/11

Abstract:
Source: CN301318814S [Source: Claim 1]
1. Designs Product name: motorcycle fender front section (228A). 2. Designs Product use: The product design is installed in the rear of the motorcycle from the rear wheel to prevent the motorcycle brought up mud splashed on the driver's body, and acts as decorative motorcycle rear. 3. design product design points: the right view, top view and a perspective view of the whole building type display. 4. The photo shows a plan view of the design features of the product can show pictures. 5. The bottom view is not easy to see, omitted bottom view.

0) CN202046403U – SCRAPING FENDER FOR MOTORCYCLE

107) Family number: 49993774 (CN202046403U) © PatBase

Title:	Scraping fender for motorcycle
Priority:	CN201120155286U 20110516

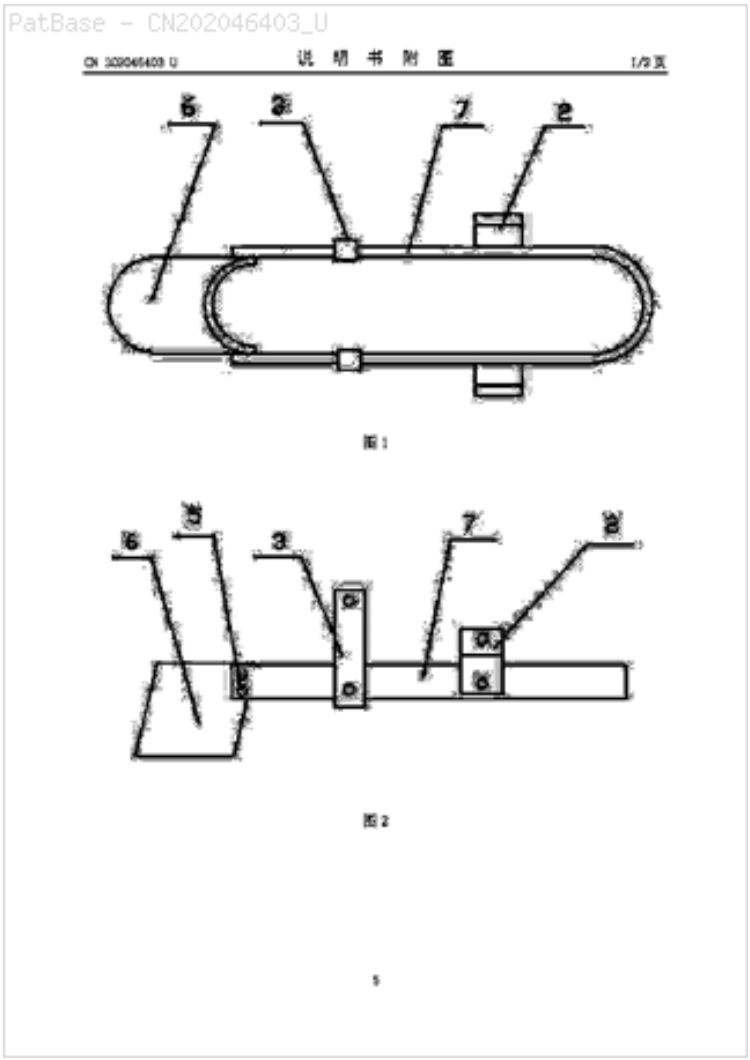
Family:

Publication number	Publication date	Application number	Application date
CN202046403 U	20111123	CN201120155286U	20110516

Probable Assignee:	FENGLIN TAN
Assignee(s):(std)**:**	FENGLIN TAN
Assignee(s):	TAN FENGLIN
Inventor(s):(std)**:**	FENGLIN TAN
Inventor(s):	TAN FENGLIN
International class (IPC 8–9):	B62J23/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN202046403U The utility model discloses a scraping fender for a motorcycle, comprising a horseshoe−shaped frame and a scraping rubber plate, wherein the upper end of the scraping rubber plate is connected with the opening end of the horseshoe−shaped frame. The scraping fender for the motorcycle has the following main applications and advantages: the structure is simple, the installation is convenient, when the motorcycle runs on a muddy road, and the mud on a tire can be scrapped automatically, so that the accidents can be reduced.



108) Family number: 50101272 (CN102267513A)

© PatBase

Title: After the motorcycle turn signal mounting structure (Machine translation)

Priority: CN201110131194 20110520

Family:

Publication number	Publication date	Application number	Application date
CN102267513 A	20111207	CN201110131194	20110520

Probable Assignee: LONCIN MOTOR CO LTD

Assignee(s):(std)**:** LONCIN MOTOR CO LTD

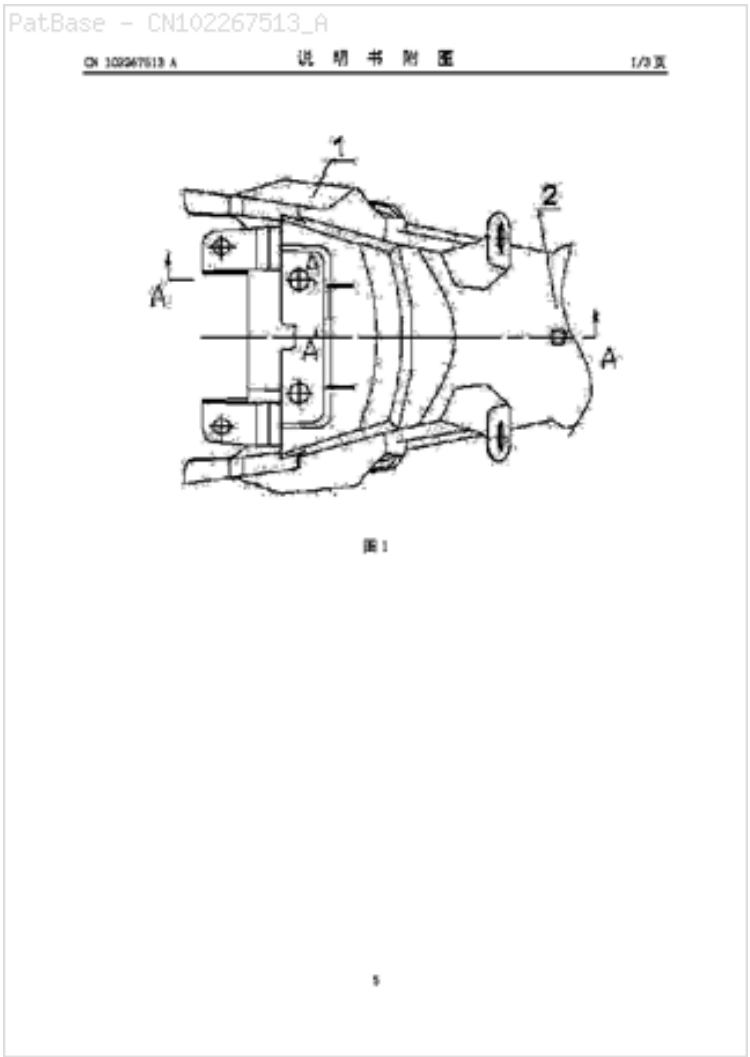
International class (IPC 8–9): B62J6/04 (Advanced/Invention)

Classification Explorer

Cited documents: US4807919 A, CN2889851 Y, CN202124081 U, CN201026938 Y, CN101314371 A,

Forward Citations: CN103707963, CN103707963,

Abstract:
Source: CN102267513A The present invention provides a motorcycle rear turn signal mounting structure includes a rear turn signal (1), a rear fender (2) and the rear turn signal mount (3), provided with two rear turn lights on (1) stud, the corresponding (2) on the rear fender with two studs through holes after the turn signal mount (3) and the rear fender (2) side fit, turn signal (1) that the two studs through the rear side of the fender (2) and the rear turn signal mount (3) with a nut, turn signal mount (3) toward the turn signal (1) is provided with line cable guide grooves, rear turn lamps (1) of the cable (6) along the wire guide slot after upward through the fenders over the line and hole (2) (7). The technical solution of the present invention, the latter can improve the water resistance of the turn signal cables, reducing mud erosion, increase its life and improve assembly consistency and improve assembly quality.



0) CN104229013A – REAR MUD FENDER FOR MOTORCYCLE

109) Family number: 58087229 (CN104229013A) © PatBase

Title: REAR MUD FENDER FOR MOTORCYCLE

Priority: CN201310251871 20130624

Family:

Publication number	Publication date	Application number	Application date
CN104229013 A	20141224	CN201310251871	20130624

Probable Assignee: KWANG YANG MOTOR CO

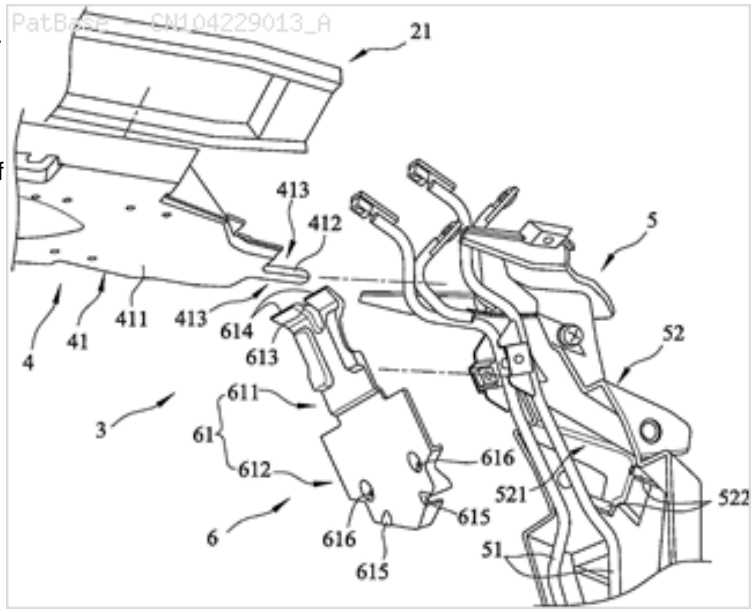
Assignee(s):(std)**:** KWANG YANG IND CO LTD ; KWANG YANG MOTOR CO

Inventor(s):(std)**:** WANG YIJUN

International class (IPC 8–9): B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN104229013A A rear mud fender for a motorcycle comprises an upper fending unit, a lower fending unit and a cover unit; the upper fending unit is locked to a motorcycle frame and arranged in a front–rear direction; the lower fending unit is arranged at the rear of the upper fending unit and vertically and obliquely arranged; the cover unit disposed between the upper fending unit and lower fending unit is arranged under the upper fending unit in the front of the lower fending unit. The cover unit is capable of covering a cable space of the lower fending unit, dust, foreign matters and rain raised in the moving process of the motorcycle can be prevented from affecting cables or electronic components, and better covering effect is achieved.



0) CN205661580U – A COLLAPSIBLE FENDER MUD DEVICE FOR MOTORCYCLE ...

110) Family number: 63877535 (CN205661580U) © PatBase

Title: A COLLAPSIBLE FENDER MUD DEVICE FOR MOTORCYCLE

Priority: CN201620423527U 20160511

Family:

Publication number	Publication date	Application number	Application date
CN205661580 U	20161026	CN201620423527U	20160511

Probable Assignee: WANG JIAYI

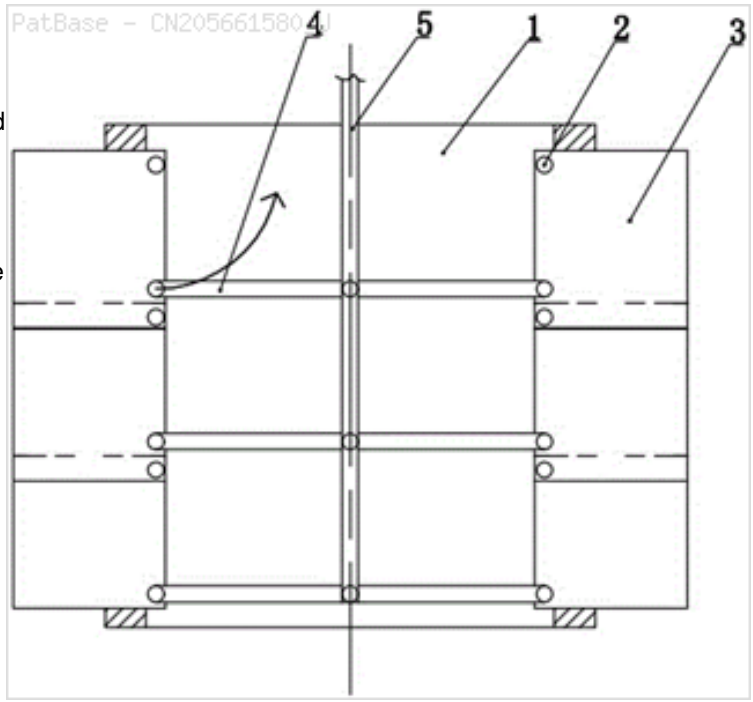
Assignee(s):(std)**:** WANG JIAYI

Inventor(s):(std)**:** WANG JIAYI

International class (IPC 8–9): B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN205661580U The utility model discloses a collapsible fender mud device for motorcycle relates to a fender mud device, set up the spud pile on curved tile including curved tile, the pull rod that is located curved tile inside and vertical even interval, and the bilateral symmetry setting of spud pile at curved tile, rotate on every spud pile and be provided with the baffle, and the vertical setting of baffle, still rotate on the baffle and be provided with the connecting rod, and the connecting rod is connected with the pull rod rotation. The utility model discloses it is convenient to install, dismantle, can hide the baffle when just not needing the baffle to use, and the baffle can be ageing because of long –term use messenger baffle, improves the life of baffle.



0) FR2233217A – LUGGAGE RACK FOR CYCLES AND MOTOR CYCLES – IS R...

111) Family number: 3160058 (FR2233217A) © PatBase

Title: LUGGAGE RACK FOR CYCLES AND MOTOR CYCLES – IS RIGIDLY SUPPORTED AT THREE POINTS ON MUD GUARD AND FOOT RESTS

Priority: FR19730021500 19730613

Family:

Publication number	Publication date	Application number	Application date
FR2233217 A1	19750110	FR19730021500	19730613
FR2233217 B3	19760604	FR19730021500	19730613

Probable Assignee: SOUPER J F

Assignee(s):(std)**:** SOUPER J F

Assignee(s): SOUPER J F FR

International class (IPC 8–9): B62J7/04 (Advanced/Invention); B62J7/00 (Core/Invention)

International class (IPC 1–7): B62J7/00

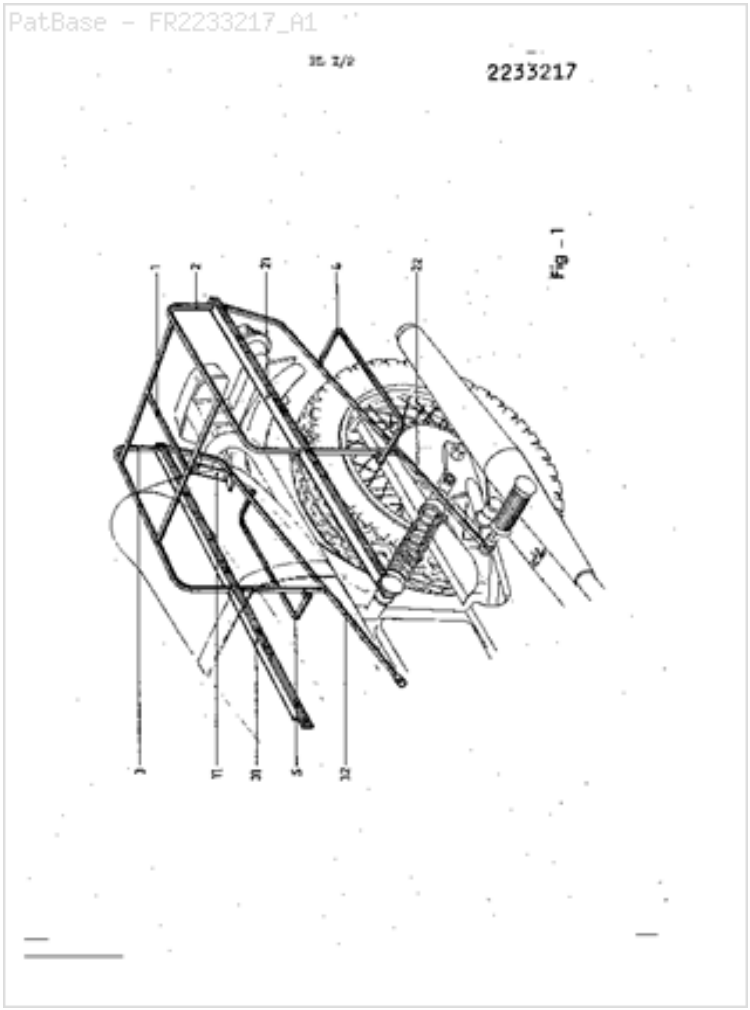
CPC: B62J7/04

European class: B62J7/04

Classification Explorer

Forward Citations: FR2948081, EP2279934,

Abstract:
Source: FR2233217A (Claim 1)
REVENDICATIONS 10) Porte−bagages pour vehicule tel que cycle ou motocycle, comportant une ossature reliee solidairement a des elements de construction du vehicule, portebagages caracterise en ce que son ossature est munie d'organes (11, 22, 32), (101, 102 202, 302) de liaison et de fixation en au moins trois points du vehicule9 et plus precisement en au moins un point du garde−boue, et a chacune des deux tetes du repose−pieds du passager. 20) Porte−bagages selon la revendication 1, caracterise en ce qu'il comporte des organes (21, 31), (201, 301) de liaison et de fixation a chacune des tetes d'amortisseurs d'une meme roue. The framework of this luggage rack is rigidly linked to construction parts of the cycle at three different points. One point is on the mud−guard and the other two are on the mounting ends of each of the passenger's foot rest. The better load distribution thus created will avoid damaging weaker parts of the vehicle body such as mud−guards for example. The framework is also attached to the rear chain guard and rigid square section bars extend horizontally through the sides of the frame and connect to the heads of the rear shock absorbers. All connections are formed of bolts passing through the ends of bars of the frame, thus allowing some pivoting under heavy loads.



0) JP3061190A – MOTORCYCLE

112) 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

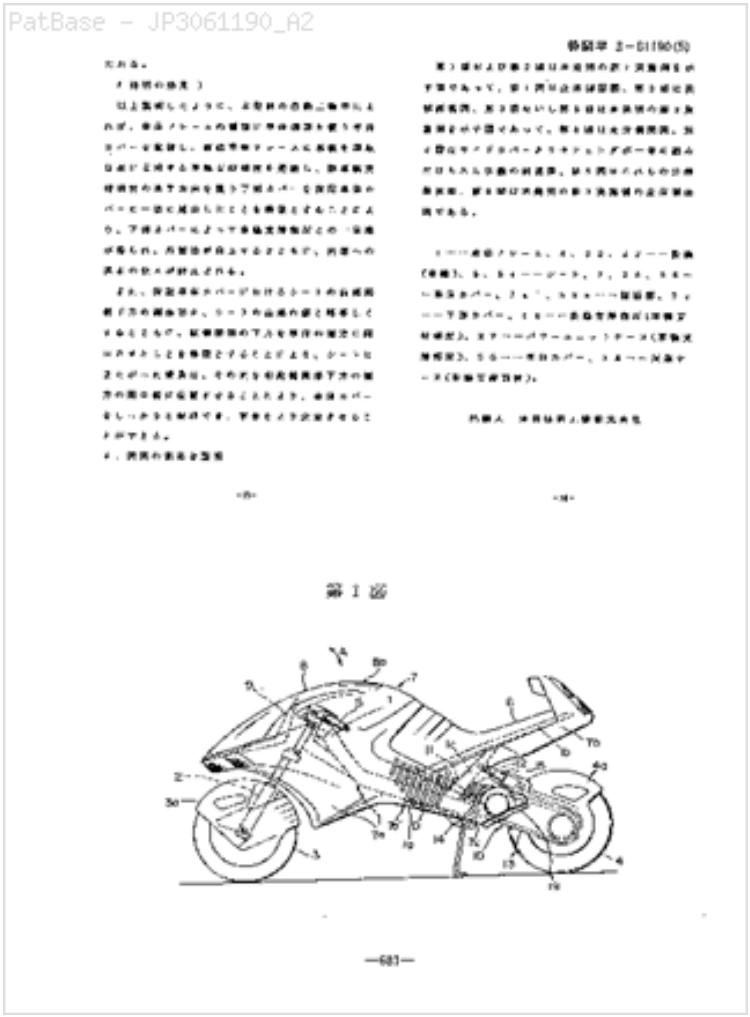
International class (IPC 8–9): B62J17/00 B62J23/00 B62K19/00 (Advanced/Invention); B62J17/00 B62J23/00 B62K19/00 (Core/Invention); B62D (Subclass/Invention)

International class (IPC 1–7): B62D B62J17/0 B62J23/0 B62K19/00

Classification Explorer

Forward Citations: US7510229, JP2009091732,

Abstract:
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 intergrally with a vehicle cover, so that the space between the vehicle cover and the rear wheel can be covered. CONSTITUTION: A cover body part 7a which covers the upper part of a steering handle 5 from the above of a front wheel 3 and extends to the front end of a sheet 6, a sheet cowl part 7b which extends rearward from the rear end of the side part thereof and covers the lower side part of the sheet 6, and a lower cover 7c which extends to the side of the front end part of a rear wheel 4 are integrally formed to form a vehicle cover 7. By this constitution, the lower cover 7c covers the transmission case 13 of a rear–wheel supporting member along the inside of the side cover, thus the appearance can be enhanced, and the soiling of this part can be prevented.



0) US6290016B – AIR CLEANER

113) Family number: 13777795 (US6290016B) © PatBase

Title: Air cleaner

Priority: JP19990090971 19990331

Family:

Publication number	Publication date	Application number	Application date
JP2000282982 A2	20001010	JP19990090971	19990331
US6290016 BA	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

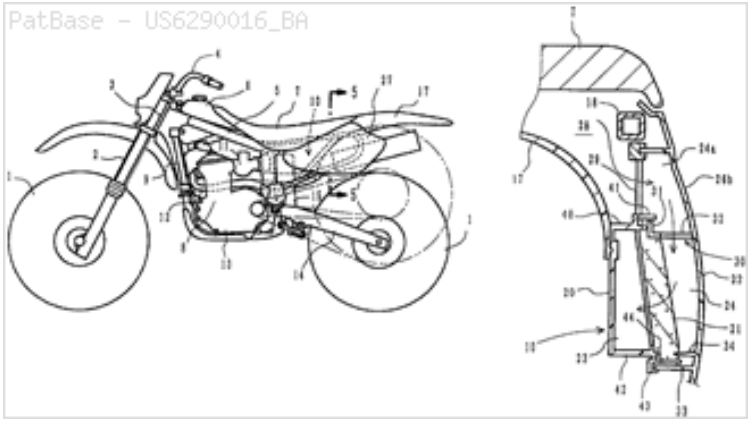
US class: 123/198.00E 123/198E 180/219

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.



0) US2006212200A – POWER STEERING SYSTEM FOR ALL–TERRAIN BUGGY VEH...

114) Family number: 32857527 (US2006212200A) © PatBase

Title: POWER STEERING SYSTEM FOR ALL–TERRAIN BUGGY VEHICLE

Priority: CA20062532488 20060110 JP20050048576 20050224 JP20050048578 20050224

Family:

Publication number	Publication date	Application number	Application date
BRPI0600397 A	20061024	BR2006PI00397	20060217
CA2532488 AA	20060824	CA20062532488	20060110
CA2532488 C	20110315	CA20062532488	20060110
GB200603339 A0	20060329	GB20060003339	20060220
GB2428997 A1	20070214	GB20060003339	20060220
GB2428997 B2	20081008	GB20060003339	20060220
JP2006232058 A2	20060907	JP20050048576	20050224
JP2006232060 A2	20060907	JP20050048578	20050224
JP4684681 B2	20110518	JP20050048576	20050224
US2006212200 AA	20060921	US20060359545	20060223
US7610132 BB	20091027	US20060359545	20060223

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): OGAWA SUMITAKA ; SAKAMOTO TOMOKAZU ; YANAI HIDEO ; HONDA MOTOR CO

Inventor(s):(std)**:** YANAI HIDEO ; SAKAMOTO TOMOKAZU ; OGAWA SUMITAKA ; TOMOKAZU SAKAMOTO ; SUMITAKA OGAWA ; HIDEO YANAI

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

International class (IPC 8–9)**:** B60G3/20 B62D5/00 B62D5/04 B62D6/00 B62J11/00 B62J99/00 B62K5/00 B62K5/08 (Advanced/Invention); B60G3/18 B62D5/00 B62D5/04 B62D6/00 B62J11/00 B62J99/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D5/04 G01L3/04

CPC: B62K5/08 B62D5/04 B62K5/01 B62D5/0409

European class: B62D5/04 B62D5/04D B62K5/00 B62K5/01 B62K5/08

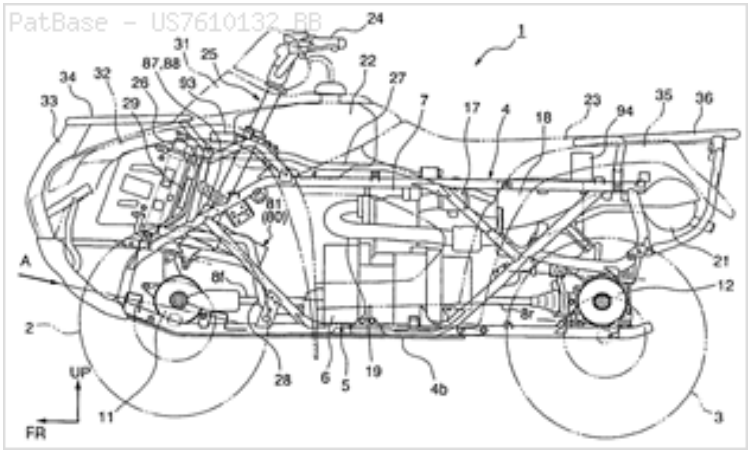
US class: 180/443 701/41 701/41P

Classification Explorer

Cited documents: US7070019 BB, US2005257990 AA, US2005257989 AA, US2004099470 AA, JPS6474190, JP64074190 A2, JP64074190, JP2004231011 A2, JP2004231011, GB2423289 A1, CA2476703 AA,

Forward Citations: WO15129009, USD631395, US9592713, US9010768, US8967318, US8613337, US8459671, US8302711, US8122993, US8079602, US8042636, US7950486, US2013008736, US2011174567, US2009308682, US2009302590, US2009301830, US2008236918, TWI434775, JP2011073624, CN102126407,

Abstract:
Source: US2006212200A A power steering system of an all−terrain buggy vehicle is provided to protect a power assist motor against obstacles encountered during traveling on the irregular ground, or the like. In a power steering system of a four−wheeled buggy vehicle in which a steering shaft rotated in response to the operation of a handlebar is disposed forward of an engine located at the almost−middle in the back−and−forth direction of a body frame, and the rotary shaft of a power assist motor is disposed perpendicular to the steering shaft, the power assist motor is located inside the body frame.



0) CN201610194U – FOR A MOTORCYCLE WITH THE REAR FENDER TAILLIGHT...

115) Family number: 47410480 (CN201610194U) © PatBase

Title: For a motorcycle with the rear fender taillight lamp base composite structure (Machine translation)

Priority: CN200920276735U 20091210

Family:

Publication number	Publication date	Application number	Application date
CN201610194 U	20101020	CN200920276735U	20091210

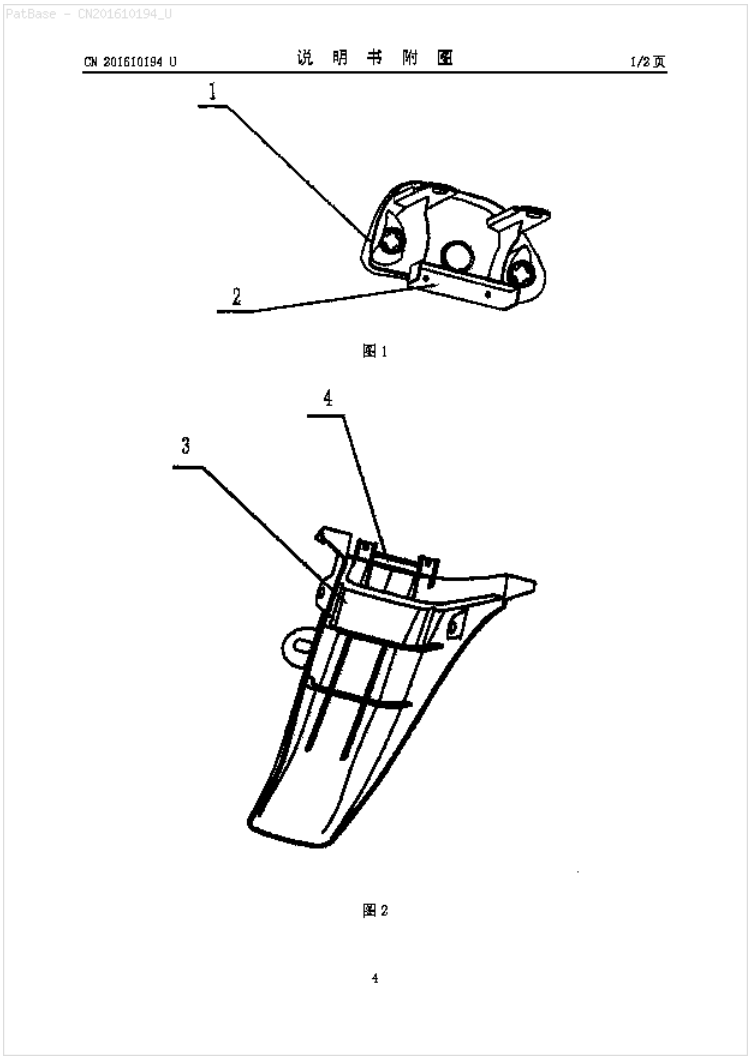
Probable Assignee: LUOYANG NORTH ENTERPRISES GROUP CO LTD

Assignee(s):(std)**:** LUOYANG NORTH ENTERPRISES GROUP CO LTD

International class (IPC 8–9): B62J15/00 B62J6/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN201610194U The utility model belongs to motorcycle technology fields, the main proposed a motorcycle taillight and rear mudguard lamp base composite structure, the rear taillight lamp holder (1) to connect the lower end of useful seat and rear fender (3) connections (2), and (2) in connection with a seat on the connecting hole, the upper end of the rear fender and taillight lamp socket joints having two plate (4), web (4) has a connection with a round hole, taillight lamp holder (1) and rear bumper mud (3) integrally connected by self–tapping screws. The utility model has reasonable design, simple structure; the manufacture of parts after mudguard site no longer involved in the surface coating, and can use relatively low–cost materials for production, so that not only meets the requirements of the product and reduces the manufacturing cost of the product.



0) JP2200588A – MOTORCYCLE

116) Family number: 4862131 (JP2200588A)

© PatBase

Title: MOTORCYCLE

Priority: JP19890017866 19890128

Family:

Publication number	Publication date	Application number	Application date
JP2200588 A2	19900808	JP19890017866	19890128
JP2942268 B2	19990830	JP19890017866	19890128

Probable Assignee: YAMAHA MOTOR CO LTD

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

Assignee(s): YAMAHA HATSUDOKI KK

Inventor(s):(std)**:** FURUYAMA MASATAKA ; MIO TATSUHIKO ; SUGIMOTO SANEKIYO

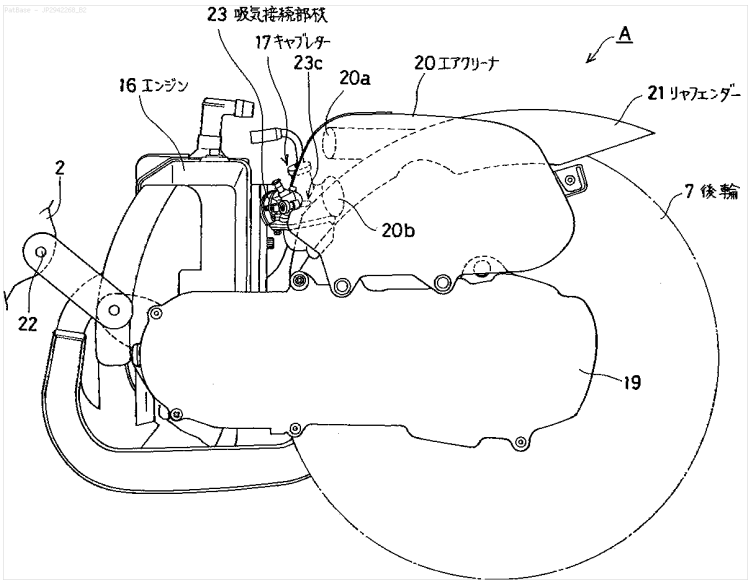
Inventor(s): SUGIMOTO MASAKYO

International class (IPC 8–9): B62J15/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J99/00 (Core/Invention)

International class (IPC 1–7): B62J15/00 B62J39/00

Classification Explorer

Abstract:
Source: JP2200588A PURPOSE:To prevent an air cleaner from the invasion of mud, water, and the like with a simple structure by forming a collar integrally at an air intake connecting member connected between a carburetor and the cylinder of an engine and providing the collar in such a way as to be overlapped with a rear fender. CONSTITUTION:An air intake connecting member 23 is formed of a base part to be fitted at the cylinder 16a of an engine 16, an air intake connecting tube, a collar 23c formed at the base part and the air intake connecting tube integrally in the horizontal direction, and the collar 23c is provided in such a way as to be overlapped with the front part of a rear fender 21. Accordingly, even if mud, water, or the like splashed by a rear wheel proceeds toward the air inlet 20a of an air clearner 20 through a clearance between the rear fender 21 and the engine 16 side, it collides against the collar 23c formed integrally at the air intake connecting member 23, so that the air cleaner 20 is positively prevented from the invasion of mud, water, or the like.



0) CN301514114S – MOTORCYCLE FRONT FENDER (MACHINE TRANSLATION)

117) Family number: 48819510 (CN301514114S) © PatBase

Title: Motorcycle front fender (Machine translation)

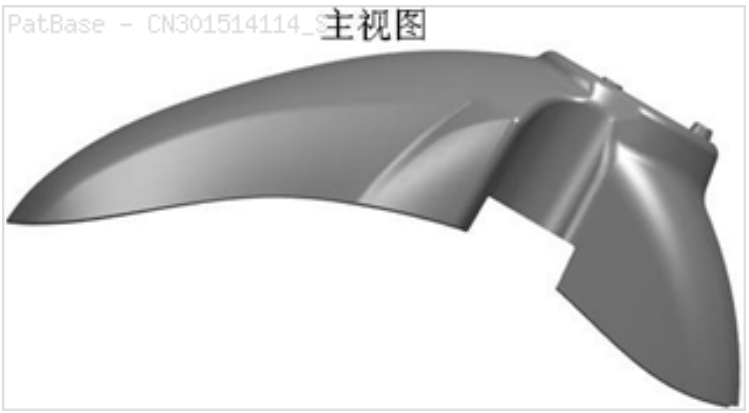
Priority: CN201030564703F 20101021

Family:

Publication number	Publication date	Application number	Application date
CN301514114 S	20110413	CN201030564703F	20101021

Locarno class: 12/11

Abstract:
Source: CN301514114S [Source: Claim 1] 1. The name of the product design for: Motorcycle front fender. 2. Product design purposes: for the front tire of the motorcycle's front fender mud blocking the site. 3. The main point is that the main design view, the product shape a plan view, a right side view of the binding expression. 4. The best indicator of design elements or photographs: front view.



0) TWM414362Y – LEATHER MUD GUARD

118) Family number: 49929164 (TWM414362Y) © PatBase

Title: Leather mud guard

Priority: TW20110206069U 20110407

Family:

Publication number	Publication date	Application number	Application date
TWM414362 Y	20111021	TW20110206069U	20110407

Probable Assignee: CHING CHERN IND CORP

Assignee(s):(std)**:** CHING CHERN IND CORP

Assignee(s): CHING CHERN INDUSTRIAL CORP

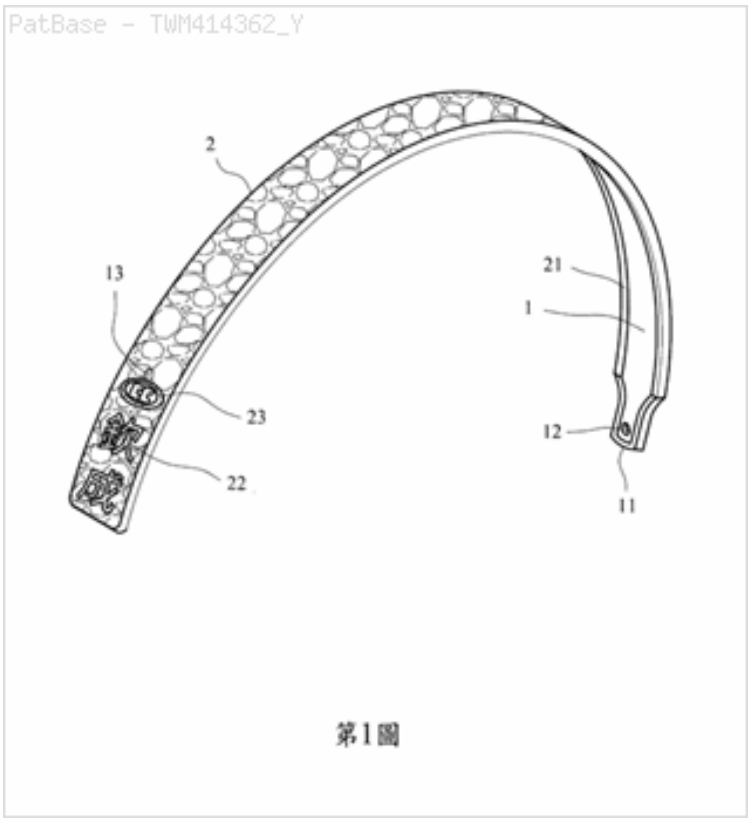
Inventor(s):(std)**:** SHI JIN CHENG

International class (IPC 8–9): B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: TWM414362Y

Machine translation: Creative department about a bicycle or motorcycle leather fender, a metal fender system, at least the first has a fixed rear hole, characterized in that a metal covered with leather outer surface of the fender, which The leather and metal with an adhesive layer between the fender, fender rust serve to achieve the effect of metal; other leather cut out a pattern in the pattern or text, and design patterns or text up through advertising effect.



0) CN302488865S – MOTORCYCLE REAR FENDER (168) (MACHINE TRANSLA...

119) Family number: 54452204 (CN302488865S) © PatBase

Title: Motorcycle rear fender (168) (Machine translation)

Priority: CN201330015106F 20130119

Family:

Publication number	Publication date	Application number	Application date
CN302488865 S	20130703	CN201330015106F	20130119

Locarno class: 12/11

Abstract:
Source: CN302488865S 1. This design product name: Motorcycle rear fender (168). 2. The product design Uses: This product design to reduce motorcycle rear mud splattered, motorcycle accessories. 3. The design features the product's design: the shape of the product. 4. The best indicator of the design elements of the design pictures or photographs: front view. 5. Omitting View: rear view.

120) Family number: 55000623 (BRPI0904235A) © PatBase

Title:	CORTA RESPINGO SPLASH CUTS (Machine translation)
Priority:	BR2009PI04235 20091028

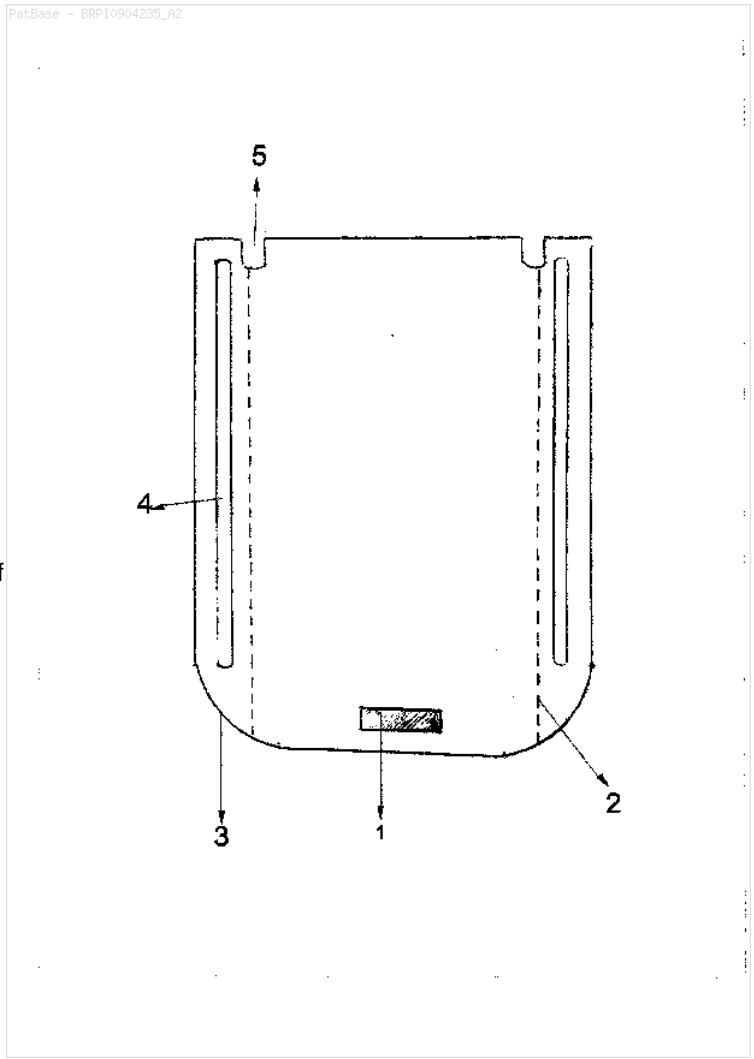
Family:

Publication number	Publication date	Application number	Application date
BRPI0904235 A2	20131015	BR2009PI04235	20091028

Probable Assignee:	FELIPE CRISTINO ABREU VELOSO
Assignee(s):(std)**:**	FELIPE CRISTINO ABREU VELOSO
Inventor(s):(std)**:**	VELOSO FELIPE CRISTIANO ABREU
Inventor(s):	FELIPE CRISTIANO ABREU VELOSO
International class (IPC 8–9):	B62D25/18 B62J15/00 B62J15/04 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI0904235A 1 RESUMO "CORTA RESPINGO" O Corta Respingo, que e um prolongador de para lama traseiro 5 para motocicleta, conjuga a funcao de impedir a passagem da agua que respinga do pneu traseiro da motocicleta no passageiro e no motociclista, proporciona, assim, maior conforto e praticidade ao motociclista que nao precisa se preocupar em colocar outras produtos provisorios como sacolas plasticas e papelao no para lama traseiro da moto. 10 O dito corta respingo e fabricado de plastico na cor do para lama traseiro e e fixado na parte traseira do para lama por dois parafusos de pressao fazendo com que ele se torne movel. O corta respingo pode ser puxado para baixo no periodo chuvoso e tambem pode ser guardado novamente atras do para lama no periodo de estiagem. Esse processo e feito manualmente 1 SUMMARY "CUT SPLASH" The Cut Splash, which is a extender for rear mud 5 for motorcycle, combines the function of preventing the passage of water that splashes the rear motorcycle tire on the passenger and rider, thus provides greater comfort and convenience to the rider who does not need to worry about putting other temporary products like plastic bags and cardboard on to the rear of the bike mud. 10 Said cuts splash and manufactured in plastic in color for rear mud and fixed on the back of to sludge by two screws of pressure causing it to become mobile. The cuts splash can be pulled down in the rainy season and can also be saved again from behind to mud during the drought period. This process is done manually



0) CN302841580S – MOTORCYCLE REAR FENDER (MACHINE TRANSLATION)

121) Family number: 56628009 (CN302841580S) © PatBase

Title:	Motorcycle rear fender (Machine translation)
Priority:	CN201330638120F 20131220

Family:

Publication number	Publication date	Application number	Application date
CN302841580 S	20140611	CN201330638120F	20131220

Probable Assignee:	CHONGQING MAIKA WEI MOTORCYCLE MFG CO LTD
Assignee(s):	CHONGQING MAIKA WEI MOTORCYCLE MFG CO LTD
Locarno class:	12/11

Abstract:
Source: CN302841580S 1. This design product name: motorcycle fender. 2. The product design Uses: This product design for motorcycle rear mud resist running produced motorcycle accessories. 3. The design features the product's design: that the shape of the design. 4. The best indicator of the design elements of the design pictures or photographs: a perspective view.

0) CN303604592S – MOTORCYCLE FENDER REAR SECTION (YX110–CMF COOL ...

122) Family number: 61760748 (CN303604592S) © PatBase

Title: Motorcycle fender rear section (YX110–CMF cool dream) (Machine translation)

Priority: CN201530462505F 20151118

Family:

Publication number	Publication date	Application number	Application date
CN303604592 S	20160302	CN201530462505F	20151118

Probable Assignee: WENGGUANG MIN

Assignee(s): WENGGUANG MIN

Locarno class: 12/11

Abstract:
Source: CN303604592S 1. The exterior design of the product name: motorcycle fender rear section (YX110–CMF cool dream); 2. The product design purpose: installed in the rear of the motorcycle with the rear wheel to prevent the motorcycle from the mud splashed on the driver's body; 3. The design features a design: all views displayed product modeling; 4. The best indicator of design elements or photographs: front view.



0) US2771305A – MOTORCYCLE SADDLE BAG MOUNTING

123) Family number: 22493885 (US2771305A) © PatBase

Title:	MOTORCYCLE SADDLE BAG MOUNTING
Priority:	US19540438207 19540621

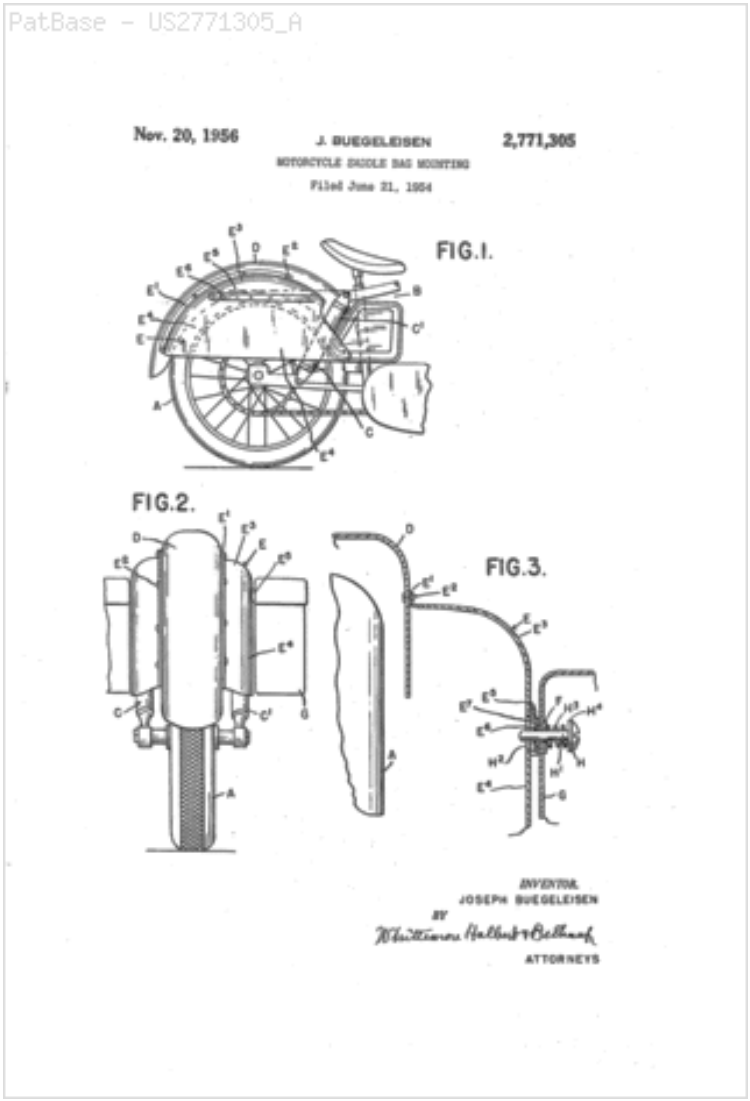
Family:

Publication number	Publication date	Application number	Application date
US2771305 A	19561120	US19540438207	19540621

Probable Assignee:	JOSEPH BUEGELEISEN
Assignee(s):(std)**:**	JOSEPH BUEGELEISEN
Inventor(s):(std)**:**	JOSEPH BUEGELEISEN
Inventor(s):	BUEGELEISEN JOSEPH
International class (IPC 8–9)**:**	B62J9/00 (Advanced/Invention); B62J9/00 (Core/Invention)
International class (IPC 1–7)**:**	B62J7/04
CPC:	B62J9/00
European class:	B62J9/00
US class:	224/423 224/430 224/435 280/152.2 280/202
Classification Explorer	
Cited documents:	US2577560 A, US2553739 A, US2527433 A, US2423003 A,
Forward Citations:	USD424507, US8985416, US5299832, US4257544, US4170801, US3101163,

Abstract:
Source: US2771305A (Claim 1) 1. A saddle ba– mounting for motorcycles of the type having a shock absorber mechanism located on the frame at a side of the rear wheel and also having a mud guard for the wheel; comprising a member having a flange extending along and secured to the corresponding side of the mud guard and conforming to the longitudinal curva– ture thereof, a portion of the same longitudinal curvature extending laterally olitward from said flange at the top and rear of said mtid guard and a skirt portion depending therefrom in a plane clearing said shock absorbing mechanism, and means for detacliably securing a saddle bag to said skirt adjacent to the outer face thereof.

PatBase - US2771305_A



0) CH326834A – MIT TRETKURBEL VERSEHENES MOTORRAD WITH CRANK ...

124) Family number: 24938859 (CH326834A) © PatBase

Title: MIT TRETKURBEL VERSEHENES MOTORRAD WITH CRANK PROVIDED MOTORCYCLE (Machine translation)

Priority: 19531123

Family:

Publication number	Publication date	Application number	Application date
CH326834 A	19571231		19540827

Probable Assignee: KREIDLER ALFRED DIPL ING

Assignee(s):(std)**:** KREIDLER ALFRED DIPL ING

Inventor(s):(std)**:** KREIDLER ALFRED DIPL ING

International class (IPC 8–9)**:** B62J17/00 B62J25/00 (Advanced/Invention); B62J17/00 B62J25/00 (Core/Invention)

International class (IPC 1–7)**:** B62J25/00

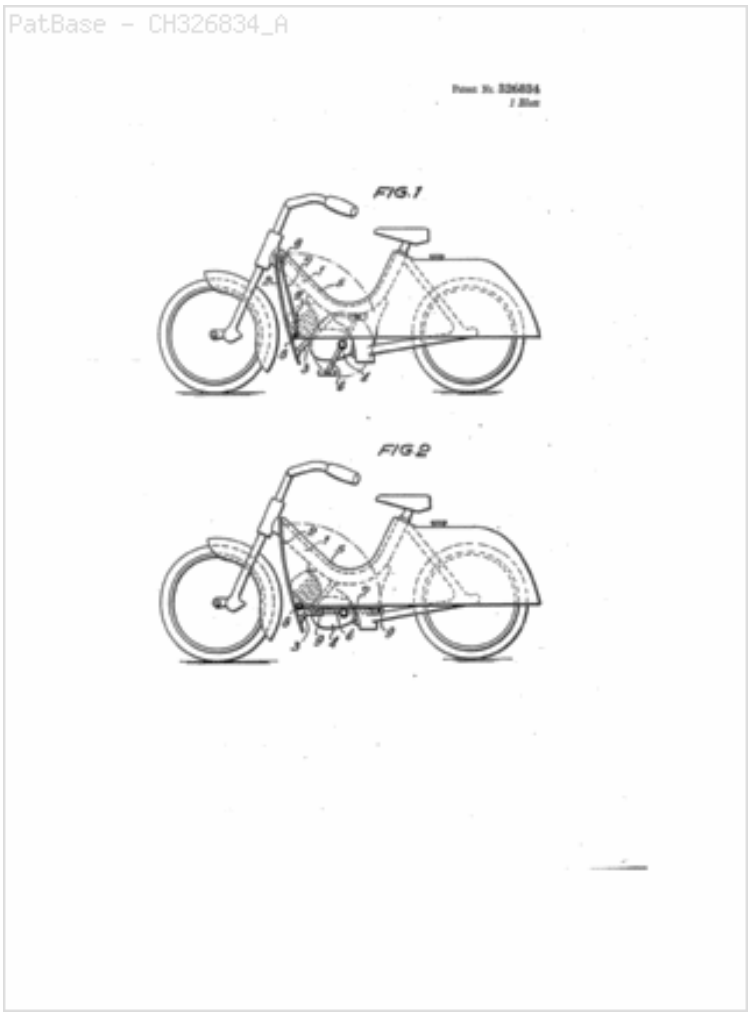
CPC: B62J17/00 B62J25/00

European class: B62J17/00 B62J25/00

Classification Explorer

Abstract:
Source: CH326834A (Claim 1) 1. Motorrad nach Patentanspruch, dadurch gekennzeichnet, dass es eine vordere, schraeg verlaufende Spritzwand (2) besitzt, an wel cher unten die in die Horizontallage umleg– baren Schmutzfaenger (7) angelenkt sind.

Machine translation: (claim 1) 1 Motorcycle according to claim, characterized in that front one, oblique splashboard (2) which are to wel Cher bottom hinged in the horizontal position TRANS–able Mud (7).



0) TWI246978B – REAR FENDER STRUCTURE

125) Family number: 33797152 (TWI246978B)

© PatBase

Title: Rear fender structure

Priority: TW20040119665 20040630

Family:

Publication number	Publication date	Application number	Application date
TW200600392 A	20060101	TW20040119665	20040630
TWI246978 B	20060111	TW20040119665	20040630

Probable Assignee: LIN BO YU

Assignee(s):(std)**:** LIN BO YU

Inventor(s):(std)**:** LIN BO YU

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

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

Classification Explorer

Abstract:
Source: TWI246978B This invention relates to a motorcycle rear fender structure, including: a stationary plate and a movable plate, wherein the stationary plate includes at least one sliding structure, the movable plate includes at least one sliding member, and the at least one sliding member correspondingly slide within the at least one sliding structure of the stationary plate so that the movable plate is able to move vertically in relation to the stationary plate. By adopting such structure, the movable plate is able to move into and concealed by the stationary plate to improve the overall appearance. When water is accumulated on the ground during raining days, the movable plate may be slid downwards and out of the stationary plate to fender mud splashing.

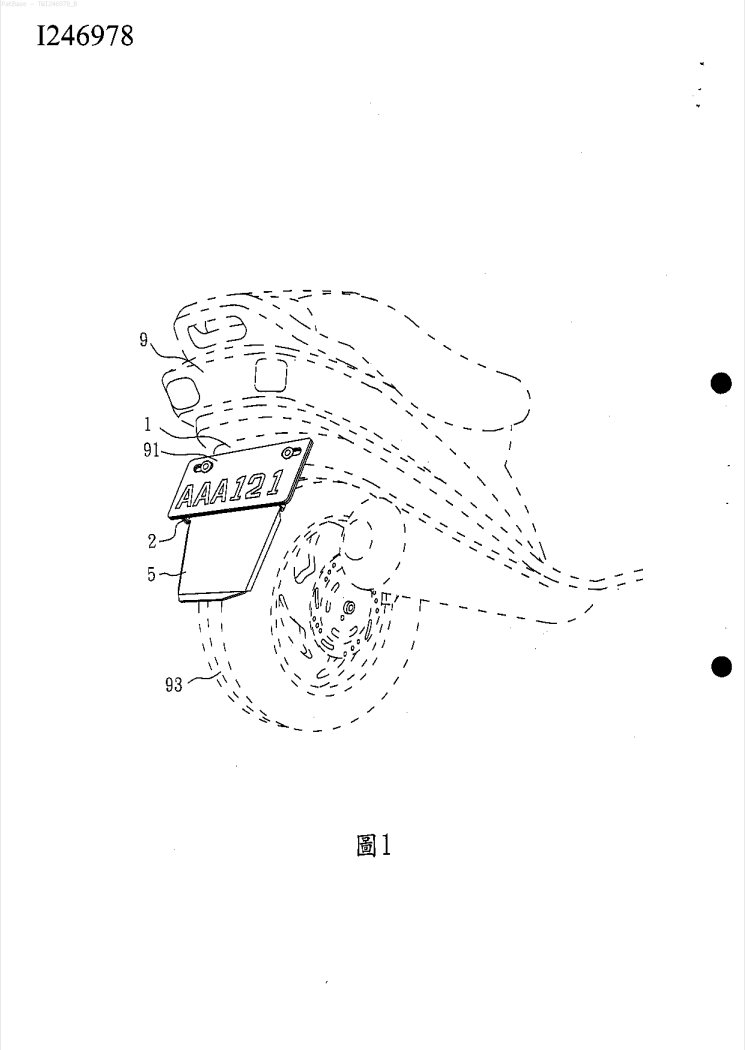


圖1

0) JP5254469A – FRONT FENDER MOUNTING STRUCTURE OF MOTORCYCLE

126) 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 (IPC 8–9): B62J15/00 B62J15/02 (Advanced/Invention)

International class (IPC 1–7): B62J15/00 B62J15/02

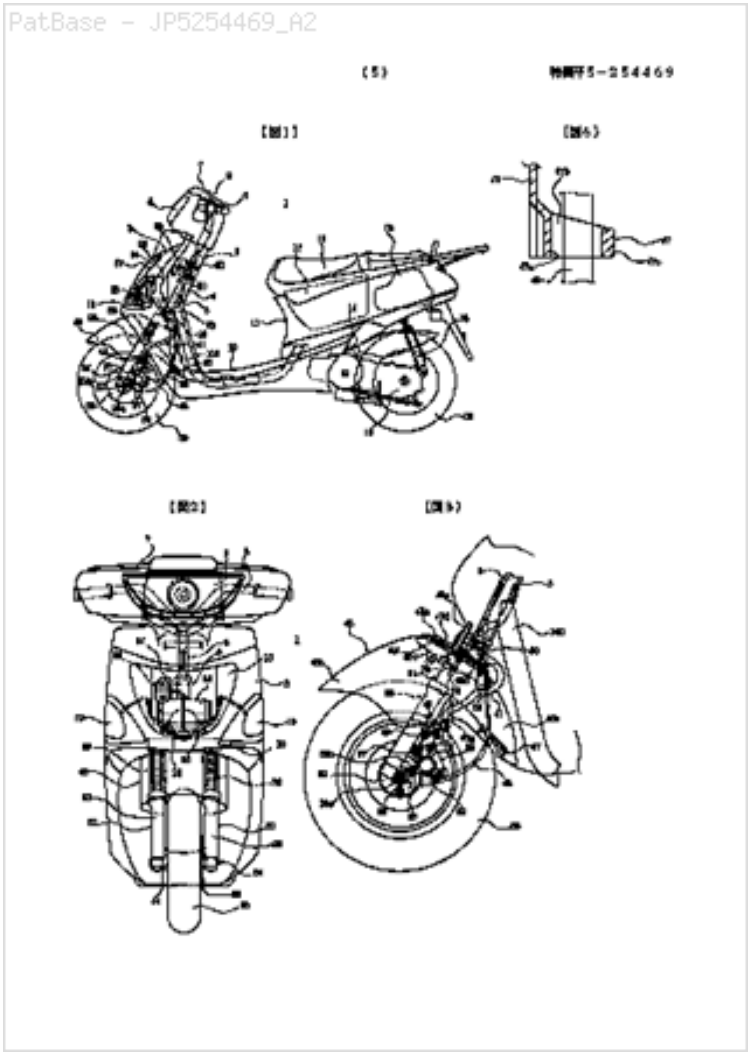
CPC: B62J15/00

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.



0) JP2000344170A – FRONT WHEEL STEERING DEVICE FOR MOTORCYCLE

127) Family number: 13940594 (JP2000344170A)

© PatBase

Title: FRONT WHEEL STEERING DEVICE FOR MOTORCYCLE

Priority: JP19990161222 19990608

Family:

Publication number	Publication date	Application number	Application date
JP2000344170 A2	20001212	JP19990161222	19990608

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO KABUSHIKI KAISHA

Inventor(s):(std)**:** FURUHASHI HIROMI ; KOBAYASHI HIROETSU ; NAKAGAWA MITSUO ; TAKAYANAGI SHINJI

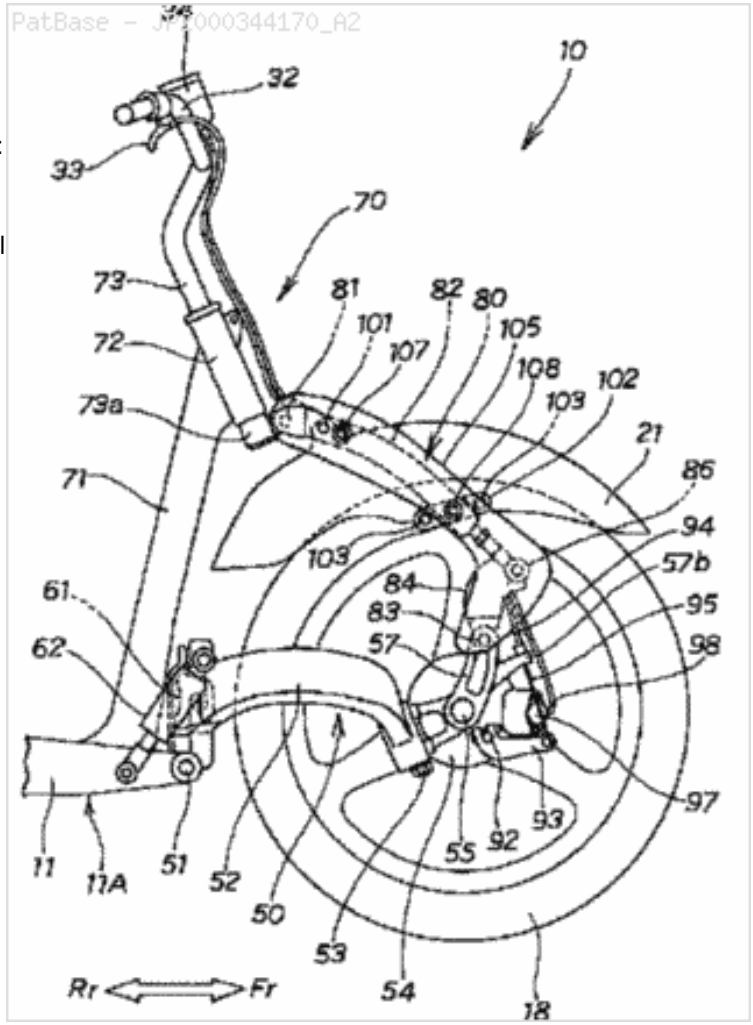
International class (IPC 8–9): B62J15/00 B62K19/38 B62K21/02 B62K25/16 (Advanced/Invention); B62J15/00 B62K19/00 B62K21/00 B62K25/04 (Core/Invention)

International class (IPC 1–7): B62J15/00 B62K19/38 B62K21/02 B62K25/16

Classification Explorer

Forward Citations: WO04104441, EP2610113,

Abstract:
Source: JP2000344170A PROBLEM TO BE SOLVED: To arrange a front fender that can always prevent the splashing of mud from a front wheel effectively without interference of the front fender to the front wheel. SOLUTION: On this front wheel steering device of a motorcycle 10, an axle holder block 54 is attached on a swing arm to swing vertically possible to turn right and left, and a front wheel 18 is attached on the axle holder block possible to rotate. One end of a link mechanism 80 is coupled to the knuckle 57 of the axle holder block and the other end of the link mechanism is coupled to a steering shaft 73. The link mechanism 80 is made to be a dogleg link possible to bend freely in order to correspond with the vertical movement of the front wheel 18. The coupling part between a first link 82 and a second link 84 constituting the dogleg shape link is faced forward. A front fender 21 for the front wheel 18 is attached on the first link 82 to be connected directly to the steering shaft 73.



0) JP2000344171A – FORK BRACE STRUCTURE OF MOTORCYCLE

128) Family number: 13940596 (JP2000344171A) © PatBase

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

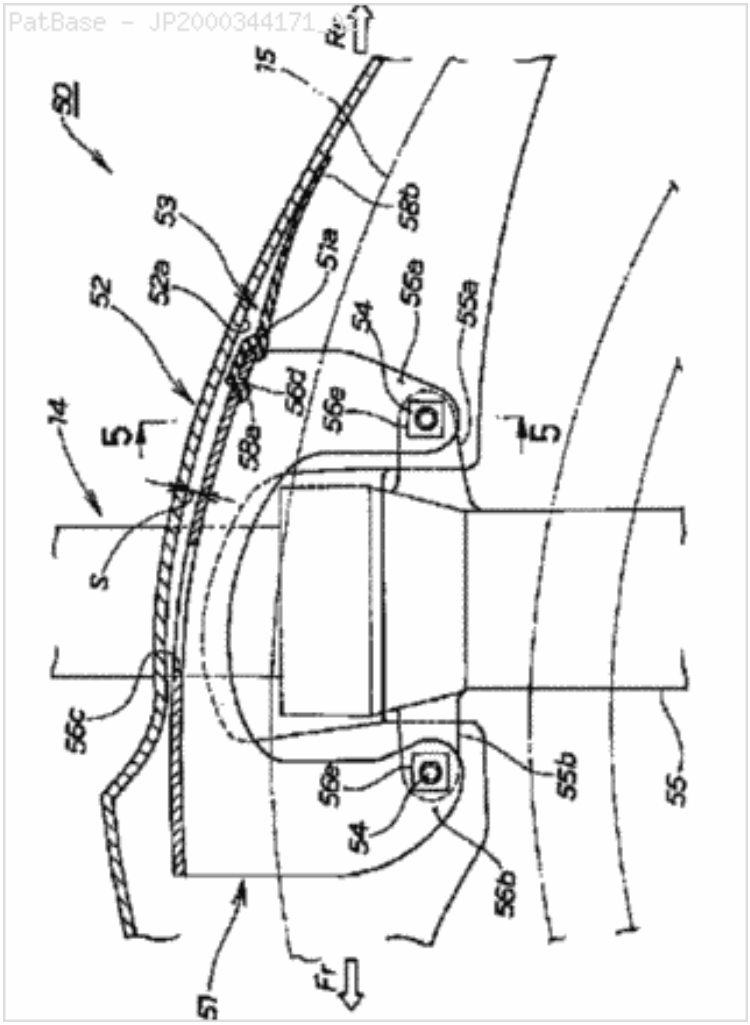
CPC: B62J15/00

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.



0) JP9086467A – INTAKE SYSTEM MUD PROOF STRUCTURE FOR UNIT SWIN...

129) Family number: 14395740 (JP9086467A) © PatBase

Title: INTAKE SYSTEM MUD PROOF STRUCTURE FOR UNIT SWING TYPE ENGINE

Priority: JP19950247347 19950926

Family:

Publication number	Publication date	Application number	Application date
JP3475601 B2	20031208	JP19950247347	19950926
JP9086467 A2	19970331	JP19950247347	19950926

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

Inventor(s):(std)**:** NISHIGAYA MITSUMASA

International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J23/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J23/00 B62J39/00

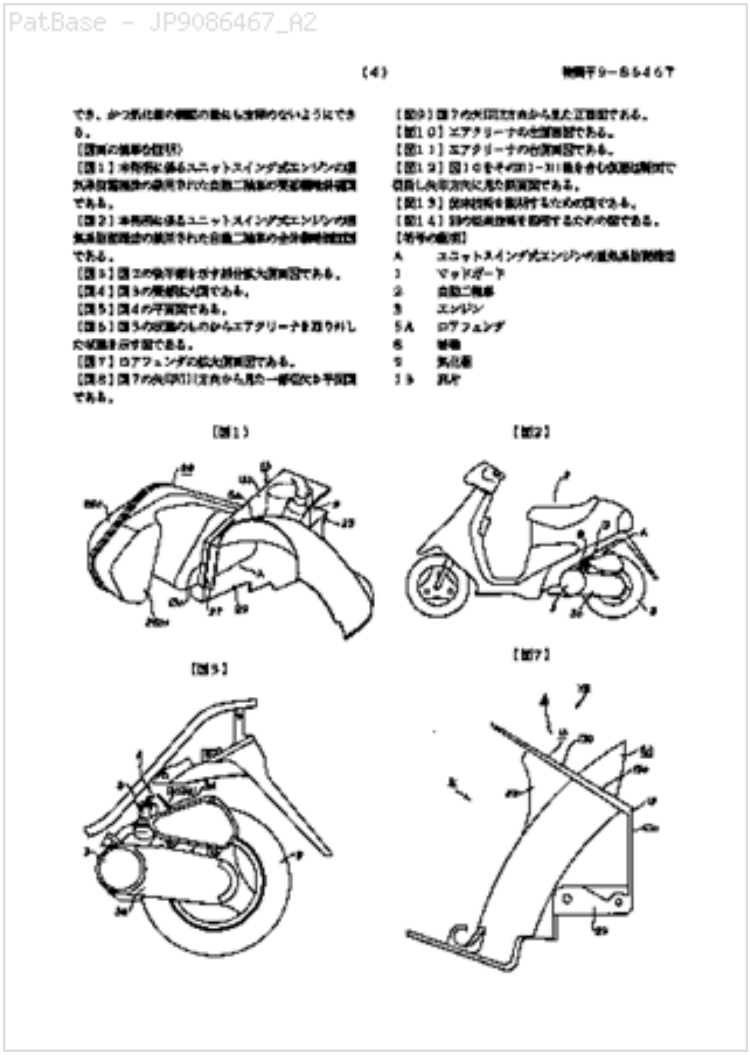
CPC: B62J15/00 B62K2202/00

European class: L62K202/00

Classification Explorer

Forward Citations: JP2007009727,

Abstract:
Source: JP9086467A PROBLEM TO BE SOLVED: To make a vehicle compact via the reduction of a lower fender size, enable a sufficient proof effect to be expected against mud, and eliminate a trouble even in the case of adjusting a carburetor. SOLUTION: This intake system mud proof structure A for a unit swing type engine is provided with a lower fender 5A having a shield 13 to cover the immediate rear part of a carburetor 9 laid in the vicinity of a position forward of the rear wheel upper part of a motorcycle or a motor tricycle equipped with a unit swing type engine.



130) Family number: 15535511 (JP2001114156A)

© PatBase

Title:	ELECTRICAL EQUIPMENT FITTING STRUCTURE FOR MOTORCYCLE
Priority:	JP19990297488 19991019

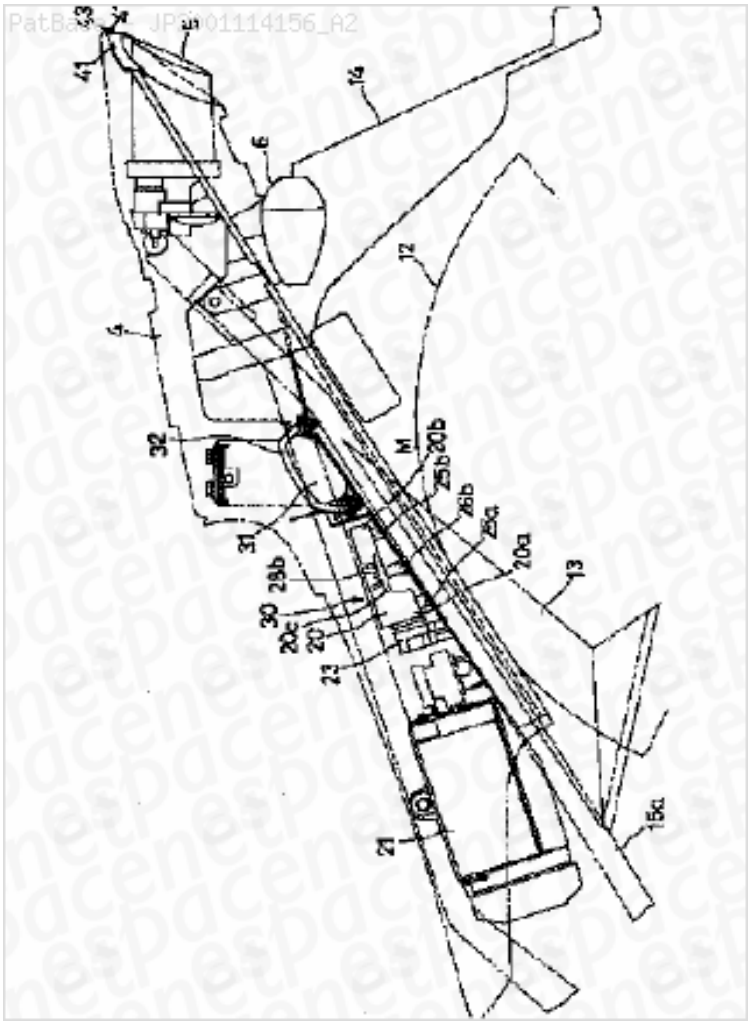
Family:

Publication number	Publication date	Application number	Application date
JP2001114156 A2	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 (IPC 8–9):	B62J11/00 (Advanced/Invention); B62J11/00 (Core/Invention)
International class (IPC 1–7):	B62J11/00

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) CN2664980Y – MOTORCYCLE FENDER

131) Family number: 1794315 (CN2664980Y) © PatBase

Title: Motorcycle fender

Priority: CN200320117179U 20031020

Family:

Publication number	Publication date	Application number	Application date
CN2664980 Y	20041222	CN200320117179U	20031020

Probable Assignee: LIN WEISHENG

Assignee(s):(std)**:** LIN WEISHENG

Inventor(s):(std)**:** LIN WEISHENG

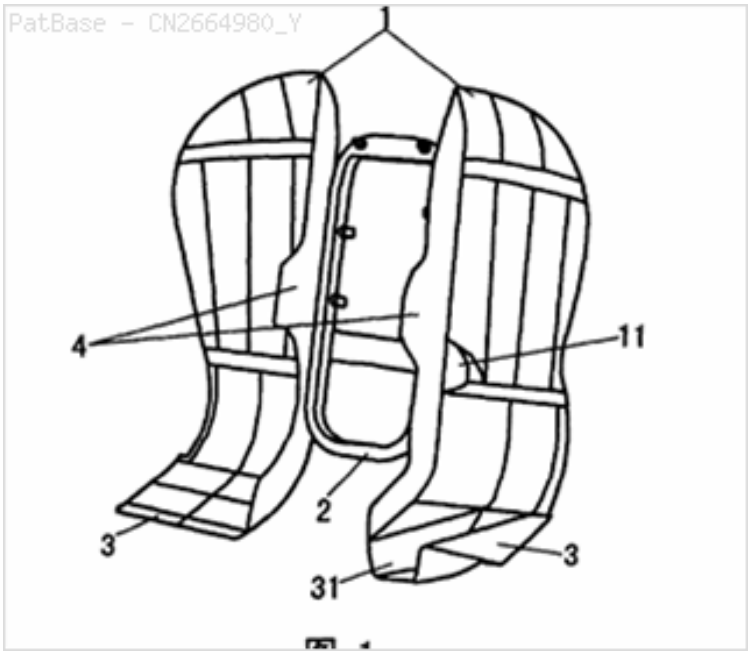
Inventor(s): WEISHENG LIN

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

International class (IPC 1–7)**:** B62J15/04

Classification Explorer

Abstract:
Source: CN2664980Y The utility model discloses a motorcycle mudguard plate, which comprises front baffles arranged at the two sides of the wheel, a fixing frame arranged between the front baffles, a bottom plate and two side baffles arranged at the two sides of the fixing frame. The bottom plate is provided with a groove; a row of position avoidance holes of an air pump are arranged inside the front baffles. Not only the motorcycle of the men can be protected with the utility model, but also the mud and the water are prevented from being splashed directly to the feet along the direction of the front wheel tangent from the inner side or the bottom so that the trouble to drive a masculine style motorcycle in rain is solved.



132) Family number: 35857848 (CN2935866Y) © PatBase

Title: Wind–proof, anti–mud water and rain–proof gaiter

Priority: CN200620008558U 20060321

Family:

Publication number	Publication date	Application number	Application date
CN2935866 Y	20070822	CN200620008558U	20060321

Probable Assignee: LIU YANGGUANG

Assignee(s):(std)**:** LIU YANGGUANG

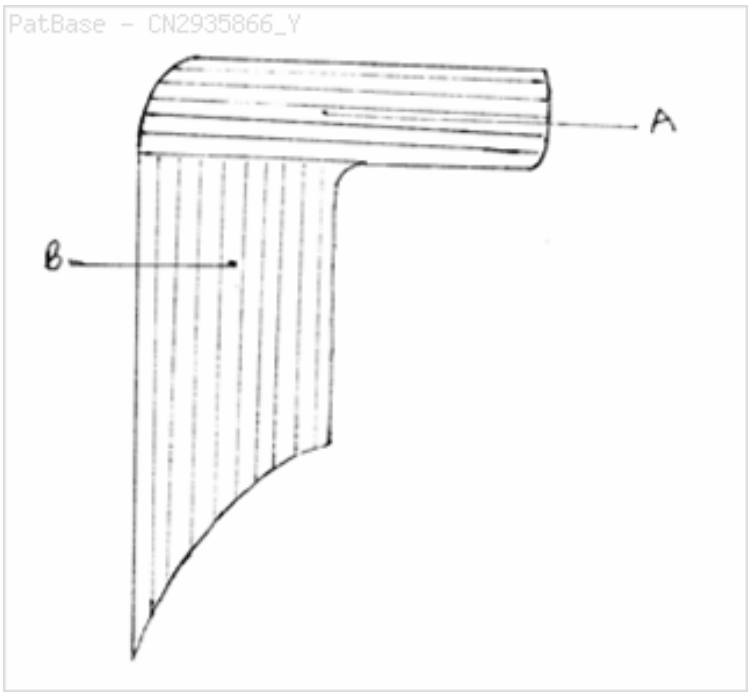
Inventor(s):(std)**:** LIU YANGGUANG

Inventor(s): YANGGUANG LIU

International class (IPC 8–9): A41D17/00 (Advanced/Invention); A41D17/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2935866Y The utility model discloses a motorcycle accessory which can take shelter from the wind and rain, retain the mud water and protect the knee and is characterized in that: a fender A at the upper part of the knee of the driver and the fender B at the front lower part are combined together to form a protective cover so as to take shelter from the wind and rain, retain the mud water and protect the lower limbs of the driver.



0) CN301300217S – MOTORCYCLE REAR FENDER (LIE BEAST) (MACHINE T...

133) Family number: 46721940 (CN301300217S) © PatBase

Title: Motorcycle rear fender (Lie beast) (Machine translation)

Priority: CN200930680148F 20091215

Family:

Publication number	Publication date	Application number	Application date
CN301300217 S	20100804	CN200930680148F	20091215

Locarno class: 12/11

Abstract:
Source: CN301300217S [Source: Claim 1]
1. The name of the product design: motorcycle fender (strong beast). 2. The design products are used in motorcycle rear 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) CN301308768S – MOTORCYCLE REAR FENDER (GHOST) (MACHINE TRANS...

134) Family number: 46730247 (CN301308768S) © PatBase

Title: Motorcycle rear fender (ghost) (Machine translation)

Priority: CN200930680156F 20091215

Family:

Publication number	Publication date	Application number	Application date
CN301308768 S	20100811	CN200930680156F	20091215

Locarno class: 12/11

Abstract:
Source: CN301308768S [Source: Claim 1]
1. The name of the product design: motorcycle fender (ghost). 2. The design products are used in motorcycle rear wheel cover, preventing mud and water. 3. Rear view, the right view without technical points, so after the omission of the view, the right view. 4. The design features the product design in the shape of the product. 5. Specify Image: Three–dimensional map.

0) CN301327974S – MOTORCYCLE FRONT FENDER (GHOST) (MACHINE TRAN...

135) Family number: 46754243 (CN301327974S) © PatBase

Title: Motorcycle front fender (ghost) (Machine translation)

Priority: CN200930680237F 20091216

Family:

Publication number	Publication date	Application number	Application date
CN301327974 S	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 ...

136) 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
CN301327977 S	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.

137) Family number: 48566158 (CN301491491S)

© PatBase

Title: Motorcycle rear fender (Machine translation)

Priority: CN201030564699F 20101021

Family:

Publication number	Publication date	Application number	Application date
CN301491491 S	20110323	CN201030564699F	20101021

Locarno class: 12/11

Abstract:
Source: CN301491491S [Source: Claim 1]
1. The name of the product design is as follows: after a motorcycle fender. 2. Product design purpose: installed in between the shelves and the rear portion of the motorcycle tires for blocking splashed to the mud. 3. The main point is that product design is the shape of a perspective view expressed. 4. The best indicator of design elements or photographs: front view.



0) CN301565493S – MOTORCYCLE FRONT FENDER (MACHINE TRANSLATION)

138) Family number: 49188411 (CN301565493S) © PatBase

Title: Motorcycle front fender (Machine translation)

Priority: CN201030564700F 20101021

Family:

Publication number	Publication date	Application number	Application date
CN301565493 S	20110601	CN201030564700F	20101021

Locarno class: 12/11

Abstract:
Source: CN301565493S [Source: Claim 1]
1. The name of the product design for: Motorcycle front fender. 2. Product design uses: a tire mounted on the front of the upper part of the front under the motorcycle for blocking mud. 3. The bottom view of the creation of the site are not omitted bottom view. 4. The main point is that product design is a perspective view expressed by shape. 5. The best indicator of design elements or photographs: front view.

139) Family number: 50823195 (JP2012046015A)

© PatBase

Title: KEY CYLINDER ARRANGEMENT STRUCTURE FOR MOTORCYCLE

Priority: JP20100188774 20100825

Family:

Publication number	Publication date	Application number	Application date
JP2012046015 A2	20120308	JP20100188774	20100825
JP5521896 B2	20140618	JP20100188774	20100825

Probable Assignee: SUZUKI MOTOR CORP

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

Assignee(s): SUZUKI KABUSHIKI KAISHA ; SUZUKI KK

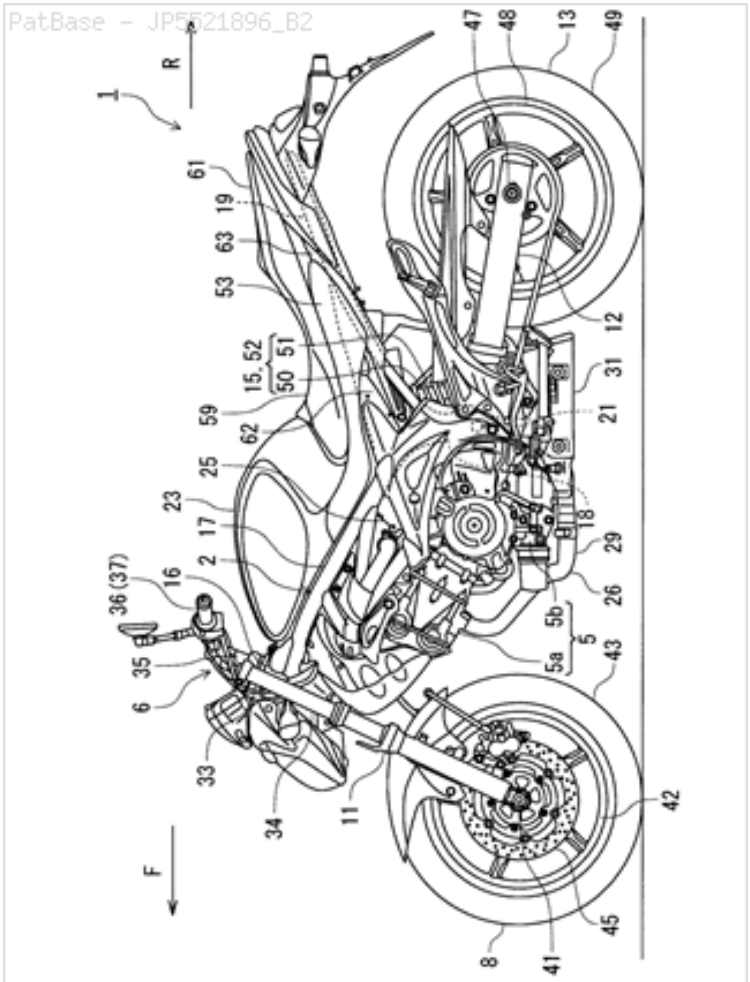
Inventor(s):(std)**:** NAGANO TSUYOSHI ; SHIMIZU MASAO

International class(IPC 8–9)**:** B62J1/12 B62J15/00 B62J9/00 E05B17/00 E05B65/12 E05B77/34 E05B83/00 E05B83/18 E05B85/06 E05B9/08 (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 real 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) CN302201530S – MOTORCYCLE REAR FENDER (TY2012 A) (MACHINE TR...

140) Family number: 52478475 (CN302201530S) © PatBase

Title: Motorcycle rear fender (TY2012 A) (Machine translation)

Priority: CN201230201288F 20120528

Family:

Publication number	Publication date	Application number	Application date
CN302201530 S	20121128	CN201230201288F	20120528

Locarno class: 12/11

Abstract:
Source: CN302201530S (Claim 1) 1. The name of the product design is: motorcycle fender (TY2012 A). 2. Product design purpose: installed in between the shelves and the rear portion of the motorcycle tires for blocking splashed to the mud. 3. The main point is that product design is the shape of a perspective view expressed. 4. The best indicator of design elements or photographs: front view.

0) CN302218295S – MOTORCYCLE FRONT FENDER REAR SECTION (240E) (...

141) Family number: 52748386 (CN302218295S) © PatBase

Title: Motorcycle front fender rear section (240E) (Machine translation)

Priority: CN201230340894F 20120726

Family:

Publication number	Publication date	Application number	Application date
CN302218295 S	20121205	CN201230340894F	20120726

Locarno class: 12/11

Abstract:
Source: CN302218295S (Claim 1) 1. This design product name: former motorcycle rear fender section (240E); 2. The product design uses: a motorcycle with parts, the main role is to protect the rim, blocking rain and mud, etc.; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

142) Family number: 54447900 (CN302488869S) © PatBase

Title: Motorcycle front fender (168) (Machine translation)

Priority: CN201330015130F 20130119

Family:

Publication number	Publication date	Application number	Application date
CN302488869 S	20130703	CN201330015130F	20130119

Locarno class: 12/11

Abstract:
Source: CN302488869S 1. The name of the product design: Motorcycle front fender (168). 2. The product design Uses: This product design for blocking the front wheels by the rotation brought up mud and other motorcycle accessories. 3. The design features the product's design: the shape of the product. 4. The best indicator of the design elements of the design pictures or photographs: front view. 5. Omitting View: rear view.

143) Family number: 54496175 (CN302496309S) © PatBase

Title: Motorcycle front fender (483) (Machine translation)

Priority: CN201330060168F 20130312

Family:

Publication number	Publication date	Application number	Application date
CN302496309 S	20130710	CN201330060168F	20130312

Locarno class: 12/11

Abstract:
Source: CN302496309S 1. The name of the product design: Motorcycle front fender (483); 2. The product design uses: a motorcycle with parts, the main role is to block the mud and the like; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN302542237S – MOTORCYCLE FRONT FENDER (470F) (MACHINE TRANS...

144) Family number: 54686902 (CN302542237S) © PatBase

Title: Motorcycle front fender (470F) (Machine translation)

Priority: CN201330093478F 20130401

Family:

Publication number	Publication date	Application number	Application date
CN302542237 S	20130821	CN201330093478F	20130401

Locarno class: 12/11

Abstract:
Source: CN302542237S 1. The name of the product design: Motorcycle front fender (470F); 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

145) Family number: 54687143 (CN302542248S) © PatBase

Title: Motorcycle rear fender (470F) (Machine translation)

Priority: CN201330093564F 20130401

Family:

Publication number	Publication date	Application number	Application date
CN302542248 S	20130821	CN201330093564F	20130401

Locarno class: 12/11

Abstract:
Source: CN302542248S 1. This design product name: motorcycle fender (470F); 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN302542263S – MOTORCYCLE FRONT FENDER (455G) (MACHINE TRANS...

146) Family number: 54687493 (CN302542263S) © PatBase

Title: Motorcycle front fender (455G) (Machine translation)

Priority: CN201330107854F 20130411

Family:

Publication number	Publication date	Application number	Application date
CN302542263 S	20130821	CN201330107854F	20130411

Locarno class: 12/11

Abstract:
Source: CN302542263S 1. The name of the product design: Motorcycle front fender (445G); 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view

147) Family number: 54687583 (CN302542267S) © PatBase

Title: Motorcycle rear fender (445G) (Machine translation)

Priority: CN201330107889F 20130411

Family:

Publication number	Publication date	Application number	Application date
CN302542267 S	20130821	CN201330107889F	20130411

Locarno class: 12/11

Abstract:
Source: CN302542267S 1. This design product name: Motorcycle rear fender (445G); 2. The product design uses: a motorcycle with parts, the main role of rainwater and mud blocked; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

148) Family number: 55002950 (US2013281596A)

© PatBase

Title: COMPOSITIONS COMPRISING A PROPYLENE–BASED ELASTOMER AND A POLYALPHAOLEFIN, METHODS OF MAKING THE SAME, AND ARTICLES MADE THEREFROM

Priority: US20120450057 20120418

Family:

Publication number	Publication date	Application number	Application date
US2013281596 AA	20131024	US20120450057	20120418
WO13158239 A1	20131024	WO2013US29876	20130308

Probable Assignee: EXXONMOBIL CHEMICAL PATENTS INC

Assignee(s):(std)**:** EXXONMOBIL CHEM PATENTS INC ; MOHAN RACHNA ; ZACARIAS FELIX M

Assignee(s): EXXONMOBIL CHEMICAL PATENTS INC

Inventor(s):(std)**:** MOHAN RACHNA ; ZACARIAS FELIX M

Agent(s): SCHMIDT JENNIFER A 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 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 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): C08K3/26 C08L23/14 C08L23/16 (Advanced/Invention)

CPC: C08L23/16 C08K2003/265 C08L2205/03 C08L2207/324 C08L23/142

US class: 524/427 524/528 525/240

Classification Explorer

Cited documents: WO10088488 A1, WO10077769 A1, WO09102387 A1, WO04014998 A2, US2016002429 AA, US2007240605 AA, US2007015877 AA, EP1840164 A1,

Forward Citations: WO16137559, WO15192267, WO15047604, US9335105, US2013292088,

Abstract:
Source: US2013281596A The present disclosure is directed to compositions comprising: (a) a propylene−based elastomer, comprising at least about 60 wt percent propylene−derived units and about 5 to about 25 wt percent ethylene−derived units, based on total weight of the propylene−based elastomer, wherein the propylene−based elastomer has a heat of fusion of less than about 80 J/g; and (b) a polyalphaolefin. Such compositions have at least one of the following properties: (a) a hardness of about 25 to about 67 shore A (ASTM D2240); (b) a glass transition temperature of about −35 degrees centigrade to about −65 degrees centigrade (ASTM D3418−08, 10 degrees centigrade /min); and (c) an impact resistance at a temperature no lower than about −40 degrees centigrade (ASTM D3763).

149) Family number: 55093322 (CN302612088S) © PatBase

Title: Motorcycle rear fender (383 new) (Machine translation)

Priority: CN201330161038F 20130507

Family:

Publication number	Publication date	Application number	Application date
CN302612088 S	20131023	CN201330161038F	20130507

Locarno class: 12/11

Abstract:
Source: CN302612088S 1. This design product name: Motorcycle rear fender (383 new); 2. The product design uses: a motorcycle with parts, the main role is to block the mud and rain, etc.; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

150) Family number: 55754550 (CN302729754S) © PatBase

Title: Motorcycle front fender (SQ150–18) (Machine translation)

Priority: CN201330412300F 20130828

Family:

Publication number	Publication date	Application number	Application date
CN302729754 S	20140205	CN201330412300F	20130828

Locarno class: 12/11

Abstract:
Source: CN302729754S . 1 name of this design are: Motorcycle front fender (SQ150–18). 2. The purpose of this design are: mainly used for motorcycle front block splashing water and mud. 3. The design of the main points is that the overall structure of the product. 4. The design is the best performance of design points is a perspective view. 5. omitted other views.

0) CN302729755S – MOTORCYCLE REAR FENDER (SQ150–18) (MACHINE TR...

151) Family number: 55754571 (CN302729755S) © PatBase

Title: Motorcycle rear fender (SQ150–18) (Machine translation)

Priority: CN201330412321F 20130828

Family:

Publication number	Publication date	Application number	Application date
CN302729755 S	20140205	CN201330412321F	20130828

Locarno class: 12/11

Abstract:
Source: CN302729755S . 1 name of this design are: motorcycle fender (SQ150–18). 2. The purpose of this design are: mainly used for motorcycle rear stop splashing water and mud. 3. The design of the main points is that the overall structure of the product. 4. The design is the best performance of design points is a perspective view. 5. omitted other views.

152) Family number: 55863353 (CN302741724S) © PatBase

Title: Motorcycle rear fender (306E) (Machine translation)

Priority: CN201330339302F 20130719

Family:

Publication number	Publication date	Application number	Application date
CN302741724 S	20140219	CN201330339302F	20130719

Locarno class: 12/11

Abstract:
Source: CN302741724S 1. This design product name: Motorcycle rear fender (306E). 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud, etc; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN303634115S – MOTORCYCLE FRONT FENDER (125–9G) (MACHINE TRA...

153) Family number: 62011724 (CN303634115S) © PatBase

Title: Motorcycle front fender (125–9G) (Machine translation)

Priority: CN201530171230F 20150529

Family:

Publication number	Publication date	Application number	Application date
CN303634115 S	20160406	CN201530171230F	20150529

Probable Assignee: CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Assignee(s): CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Locarno class: 12/11

Abstract:
Source: CN303634115S 1. The name of the product design: Motorcycle front fender (125–9G). 2. The product design Uses: This product design for the front of the motorcycle blocked 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) USD530243S – MOTORCYCLE

154) Family number: 33504427 (USD530243S) © PatBase

Title: MOTORCYCLE

Priority: TW20050306757F 20051108 US20050244773F 20051213

Family:

Publication number	Publication date	Application number	Application date
TWD113028 S1	20060921	TW20050306757F	20051108
USD530243 S1	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

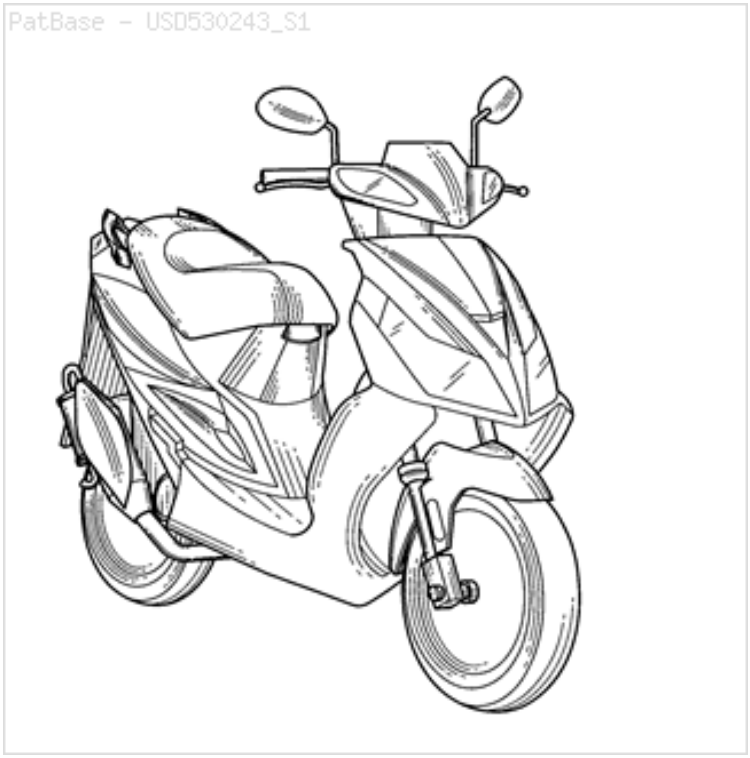
Locarno class: 12/11

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

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...

155) Family number: 34907789 (JP2007177682A) © PatBase

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

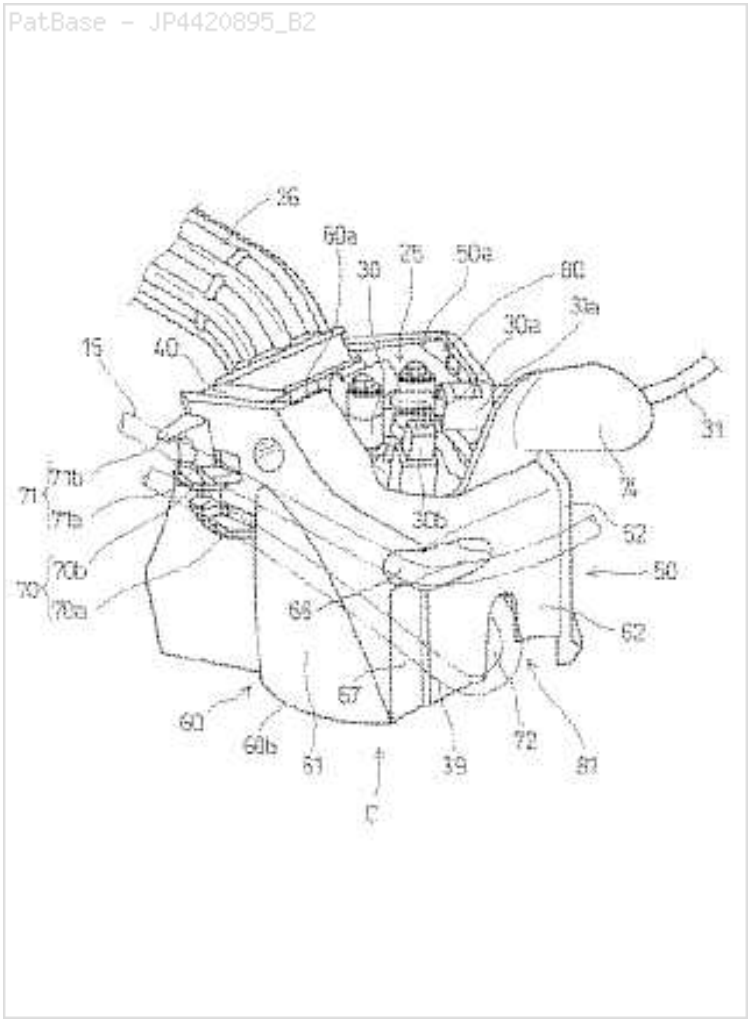
CPC: Y02T10/123

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.



0) FR2348096A – DISPOSITIF DE PROTECTION INVIOLABLE POUR CASQUE...

156) Family number: 3512290 (FR2348096A) © PatBase

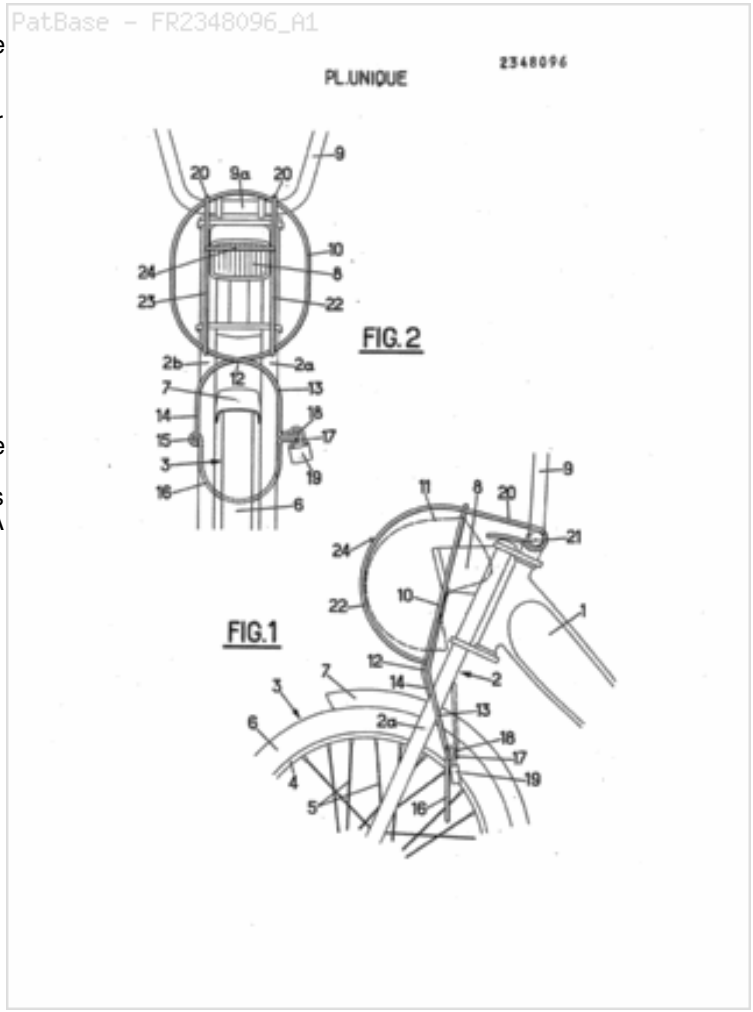
Title:	DISPOSITIF DE PROTECTION INVIOLABLE POUR CASQUE DE MOTOCYCLISTE ANTI–THEFT CARRIER FOR MOTOR CYCLE HELMET – CONSISTS OF WIRE CAGE HOOKED OVER HANDLEBARS AND LOCKED AROUND FRONT WHEEL
Priority:	FR19760011057 19760414

Family:

Publication number	Publication date	Application number	Application date
FR2348096 A1	19771110	FR19760011057	19760414

Probable Assignee:	PIKETTY PATRICE
Assignee(s):(std)	PIKETTY PATRICE
International class (IPC 8–9)	B62J11/00 E05B71/00 (Advanced/Invention); B62J11/00 E05B71/00 (Core/Invention)
International class (IPC 1–7)	A42B3/02 B62H5/16 B62J11/00
CPC:	B62J11/005 E05B71/00
European class:	B62J11/00B E05B71/00
Classification Explorer	
Cited documents:	US3837545, US3604671, US3399855, GB842400, FR2370622,
Forward Citations:	FR2370622, FR2370622,

Abstract:
Source: FR2348096A (Claim 1) 1. Dispositif de protection inviolable pour casque de motocycliste, caracterise par le fait qu'il comprend une armature susceptible d'entourer le casque place devant la fourche du motocycle, des moyens de fixation de l'armature sur la partie avant du motocycle et des moyens de blocage inviolables entourant de facon demontable la jante de la roue avant du motocycle. An anti−theft carrier for a motor cyclist's helmet is a wire cage, attached at the top to the handlebars (9) and with a loop (13,16) at the bottom which fits around the rim and type (3) of the front wheel. The cage has curved arms (22) matching the curve of the helmet (11) in side view, and a loop (10) around the helmet in plan view. The tops of the arms fit round the handlebars to form a pivot and the bottom of the loop extends downwards to form the upper part (13) of the wheel loop. A V shaped piece (16) forms the lower part of the wheel loop, and the two parts are secured by a padlock (19).



0) US4247030A – RACK FOR ALL TERRAIN VEHICLE

157) Family number: 8065709 (US4247030A) © PatBase

Title: RACK FOR ALL TERRAIN VEHICLE

Priority: US19790103993 19791217

Family:

Publication number	Publication date	Application number	Application date
US4247030 A	19810127	US19790103993	19791217

Probable Assignee: AMACKER INC

Assignee(s):(std)**:** AMACKER INC

Assignee(s): AMACKER JOSEPH A ; BRELL MAR PRODUCTS INC ; PREMIER BANK NATIONAL ASSOCIATION ; PREMIER BANK NATIONAL ASSOCIATION PO BOX

Inventor(s):(std)**:** AMACKER JOSEPH A

International class (IPC 8–9)**:** B60R9/00 (Advanced/Invention); B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60R9/00 B62D61/08

CPC: Y10S224/913 B60R9/00

European class: B60R9/00

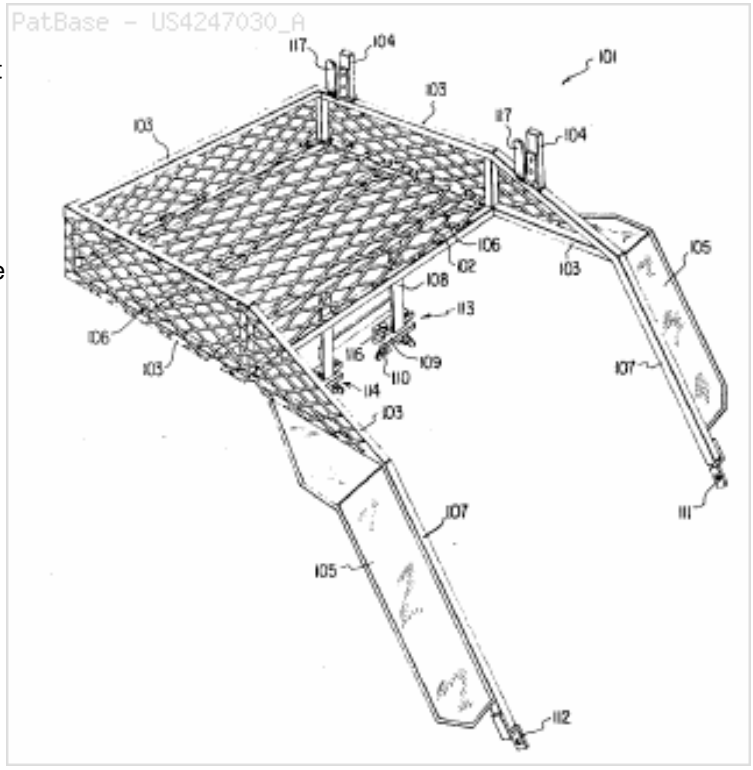
US class: 180/210 224/273 224/401 224/526 224/528 224/530 224/913 280/160 280/769 280/848 297/243 D12/126 D12/85 D12/87

Classification Explorer

Cited documents: US650335 A, US578128 A, US553614 A, US4176771 A, US3776353 A, US2870820 A, US2442889 A, US2425892 A, US2158618 A, US1473956 A, US1382942 A, US1178649 A, US1004975 A, GB190611068 A, GB182335 A, GB156276 A,

Forward Citations: WO08064200, USD713775, USD480991, USD440538, US9199582, US9168875, US9132867, US8925965, US8297394, US8226065, US8196692, US8146944, US7802709, US7600480, US7506714, US7258192, US7128341, US7121371, US7100808, US7066366, US6968917, US6929223, US6820781, US6705680, US6659566, US6502728, US6457618, US6425510, US6378748, US6145718, US6142349, US5794976, US5706990, US5174622, US4826057, US4505411, US4300706, US2017050578, US2013069354, US2011133438, US2010213695, US2009250282, US2008115705, US2007278026, US2007273135, US2006000860, US2005258207, US2005247506, US2005045681, US2004252926, US2004251288, US2004206568, US2004135342, US2004134707, US2004129485, US2004129484, US2004113389, US2004113041, US2004112658, US2004108158, US2004050846, US2003102694, US2002053628,

Abstract:
Source: US4247030A The invention relates to a rack for a vehicle. The rack comprises a seat for holding goods or a person and side walls for containing the goods or the person on the seat. Carriers for a gun or the like are connected to the side walls. A device is also connected to the side walls for allowing the person to rest his or her leg thereon and also for guarding rear tires of the vehicle from having mud and the like splashed thereon. The rack is mounted to and, preferably, used in combination with an all−terrain type of vehicle.



0) JP5238459A – INTAKE AIR INTRODUCING DEVICE FOR MOTORCYCLE EN...

158) Family number: 10440988 (JP5238459A) © PatBase

Title: INTAKE AIR INTRODUCING DEVICE FOR MOTORCYCLE ENGINE

Priority: JP19920079099 19920229

Family:

Publication number	Publication date	Application number	Application date
JP5238459 A2	19930917	JP19920079099	19920229

Probable Assignee: YAMAHA MOTOR CO LTD

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

Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA

Inventor(s):(std)**:** NIHEI KATSUHIRO ; SHIMIZU YUJI

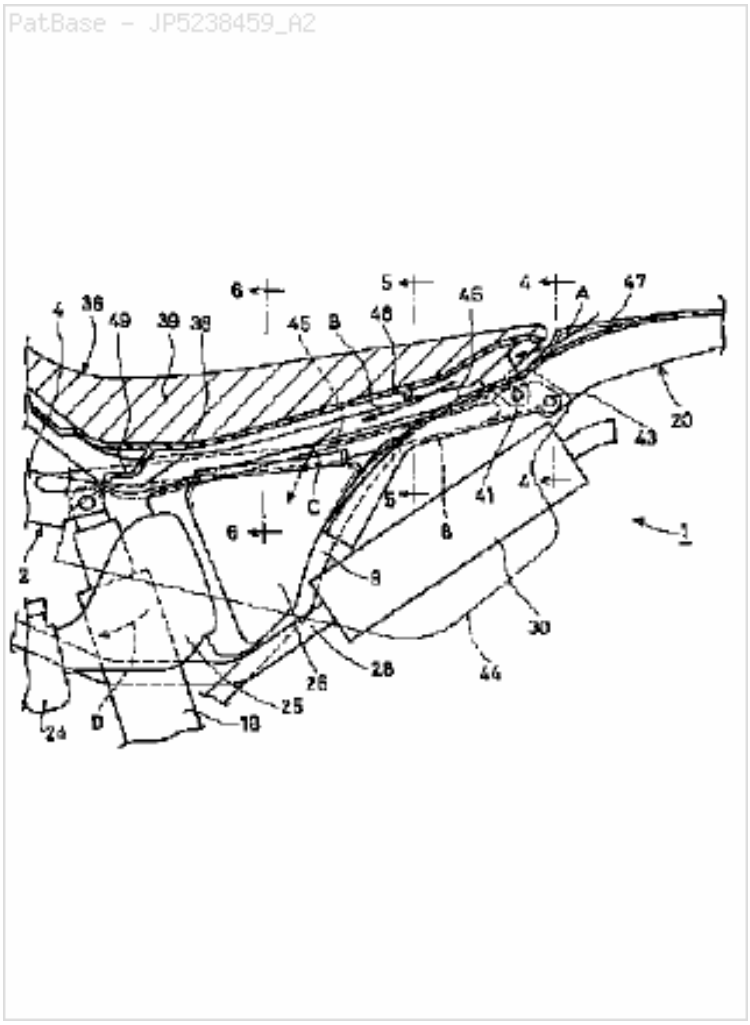
International class (IPC 8–9)**:** B62J15/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J39/00

Classification Explorer

Forward Citations: JP4459189, JP4160342, JP2006273324, JP2004098881,

Abstract:
Source: JP5238459A PURPOSE:To prevent the intake air to an engine from being heated by the engine to improve the engine performance, and prevent splashed mud, etc., during the travelling from easily jumping into an air cleaner. CONSTITUTION:A seat 36 is arranged and installed on the upper side of an engine and an air cleaner 26. A rear fender 20 is arranged downward in the rear of the above seat 36 and at the back of the air cleaner 26. An intake air port 45 is formed at the upper part of the air cleaner 26. The rear underside of the seat 36 and the rear fender 20 form an intake air introducing passage 46 extending in front and in rear directions. The upper face of the rear fender 20 which corresponds to the rear end of the seat 36 is formed so as to be bent so that a recessed groove 49 is produced. The recessed groove 47 is connected to the rear end of the intake air introducing passage 46, and the front end of the intake air introducing passage 46 is connected to the intake air port 45 of the air cleaner 26.



0) JP6024372A – FENDER DEVICE FOR MOTORCYCLE

159) Family number: 10867647 (JP6024372A) © PatBase

Title: FENDER DEVICE FOR MOTORCYCLE

Priority: JP19920182257 19920709

Family:

Publication number	Publication date	Application number	Application date
JP6024372 A2	19940201	JP19920182257	19920709

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

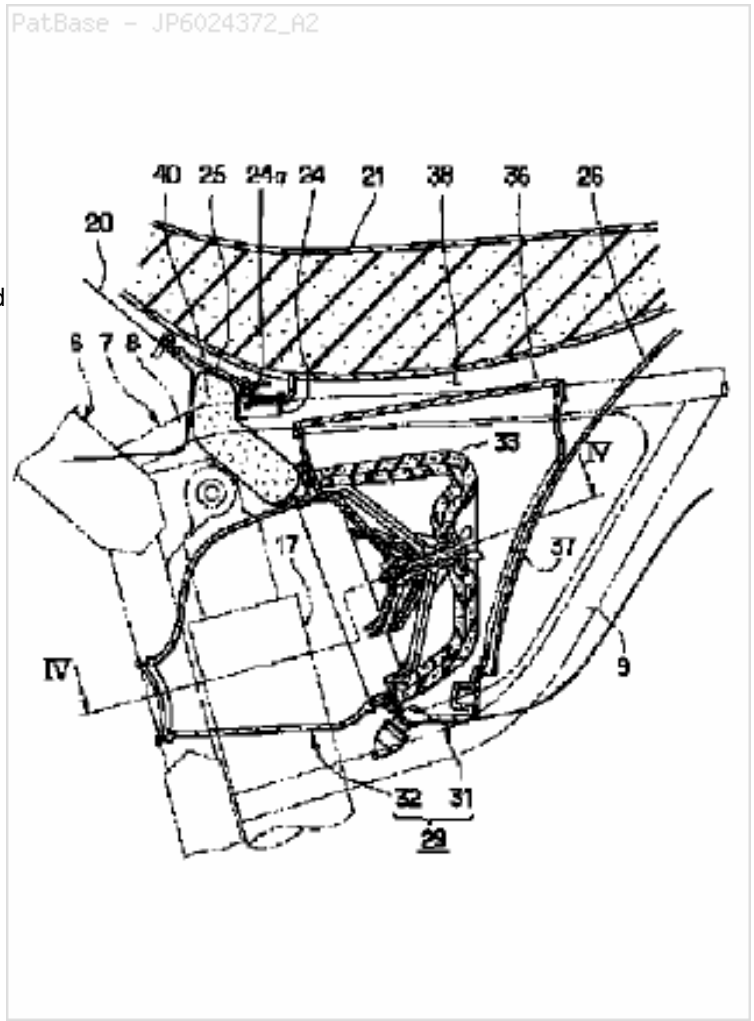
Inventor(s):(std)**:** KAGEYAMA MINORU

International class (IPC 8–9): B62J15/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J99/00 (Core/Invention)

International class (IPC 1–7): B62J15/00 B62J39/00

Classification Explorer

Abstract:
Source: JP6024372A PURPOSE:To provide a fender which reliably prevents entrance of water and mud, rolled up by a front wheel, to an air cleaner, forms a shield member at a low cost, improves mounting and demounting ability, and eliminates a fear of noise being generated. CONSTITUTION:In a motorcycle wherein a seat 21 is placed on a pair of right and left seat rails 8 of which a car body frame is composed and an air cleaner 29 is disposed bellow the seat 21, a shield member 40 formed of a resilient material is located between the seat rails 8 in a manner to be positioned between the suction passage 38 of the air cleaner 29 and a front wheel.



0) CN2727018Y – MULTI–PURPOSE PEDAL

160) Family number: 32324706 (CN2727018Y)

© PatBase

Title: Multi–purpose pedal

Priority: CN20042032772U 20040208 CN200420032772U 20040208

Family:

Publication number	Publication date	Application number	Application date
CN2727018 Y	20050921	CN200420032772U	20040208

Probable Assignee: MAO ANAN

Assignee(s):(std)**:** MAO ANAN

Inventor(s):(std)**:** MAO LIRONG

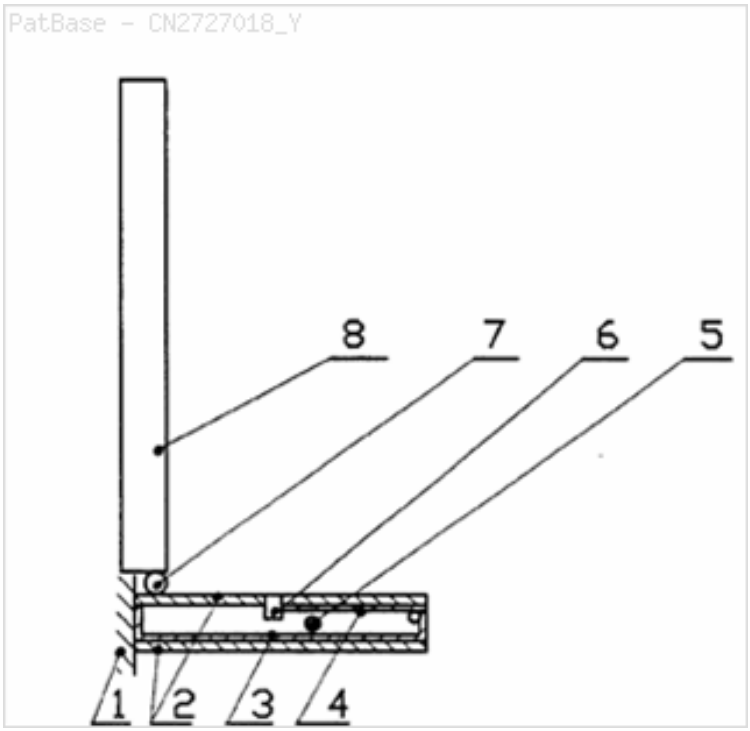
Inventor(s): LIRONG MAO

International class (IPC 8–9)**:** B62J25/00 (Advanced/Invention); B62J25/00 (Core/Invention)

International class (IPC 1–7)**:** B62J25/00

Classification Explorer

Abstract:
Source: CN2727018Y The utility model provides a multi–purpose pedal for foot pedals of motorcycles. A foot pedal body 2 is fixedly connected with a motorcycle body piece 1. The interior of a frame of the motorcycle body piece is provided with a box 3, a cover 4, a spacing mechanism 6 and a fixing mechanism 5, and the exterior is provided with a rotating fixing mechanism 7 and connected with a fender mechanism 8. The multi–purpose pedal can be respectively moved, rotated, displaced and fixedly spaced through the mechanisms of the box 3, the fender mechanism 8, the cover 4, etc. Thus, a plurality of purposes of product loading, object packing and mud fending are realized.



0) JP2009073224A – SCOOTER TYPE VEHICLE

161) Family number: 43183603 (JP2009073224A)

© PatBase

Title: SCOOTER TYPE VEHICLE

Priority: JP20070241647 20070918

Family:

Publication number	Publication date	Application number	Application date
JP2009073224 A2	20090409	JP20070241647	20070918

Probable Assignee: YAMAHA MOTOR CO LTD

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

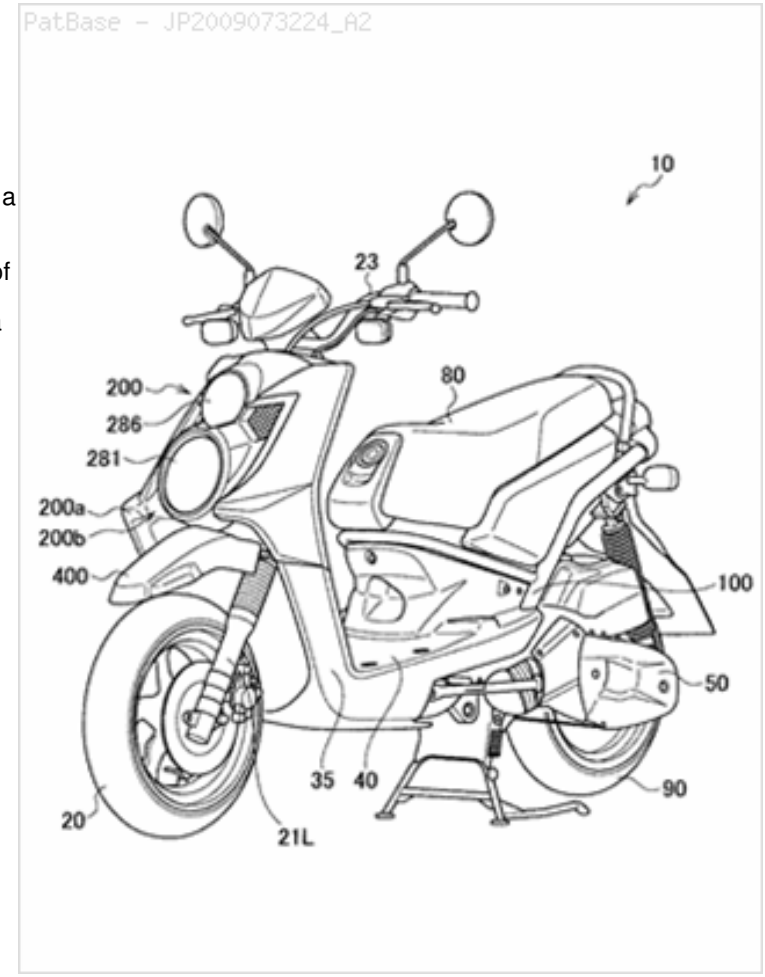
Assignee(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std)**:** RI SHIHIN

International class (IPC 8–9): B62J15/00 B62J23/00 (Advanced/Invention); 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.



0) CN301558509S – MOTORCYCLE FRONT FENDER FRONT PORTION (VESPA II...

162) Family number: 49042327 (CN301558509S) © PatBase

Title: Motorcycle front fender front portion (VESPA II) (Machine translation)

Priority: CN201030599865F 20101105

Family:

Publication number	Publication date	Application number	Application date
CN301558509 S	20110525	CN201030599865F	20101105

Locarno class: 12/11

Abstract:
Source: CN301558509S (Claim 1) 1. The design Product Name: Motorcycle front fender front portion (VESPA II); the role of the design product for 2 above the front wheel of the vehicle body for blocking mud splashes; 3. This design product design point is: overall design; 4 This design products that best show is a perspective view of design points.

0) CN301727830S – MOTORCYCLE FRONT FENDER (325G) (MACHINE TRANS...

163) Family number: 50052775 (CN301727830S) © PatBase

Title: Motorcycle front fender (325G) (Machine translation)

Priority: CN201130075955F 20110414

Family:

Publication number	Publication date	Application number	Application date
CN301727830 S	20111116	CN201130075955F	20110414

Locarno class: 12/11

Abstract:
Source: CN301727830S (Claim 1) 1. The name of the product design: Motorcycle front fender (325G); 2 The product design uses: motorized two–wheeled transport vehicle parts, the main role is to enhance product Appearance commodity, brought up by the rotation of the front wheel block mud and the like; 3 design elements of the design: the shape of the product; 4 best show design elements or photographs: a perspective view.

164) Family number: 56910539 (CN302881252S) © PatBase

Title: Motorcycle front fender (358) (Machine translation)

Priority: CN201330615738F 20131211

Family:

Publication number	Publication date	Application number	Application date
CN302881252 S	20140716	CN201330615738F	20131211

Probable Assignee: CHONGQING XINYUAN MOTORCYCLE CO LTD

Assignee(s): CHONGQING XINYUAN MOTORCYCLE CO LTD

Locarno class: 12/11

Abstract:
Source: CN302881252S 1. This design product name: former motorcycle mudguard (358); 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud, etc; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

165) Family number: 59954725 (WO15110756A1) © PatBase

Title: DEVICE FOR HELPING PULL A VEHICLE OUT OF MUD

Priority: FR20140050646 20140127

Family:

Publication number	Publication date	Application number	Application date
FR3016873 A1	20150731	FR20140050646	20140127
WO15110756 A1	20150730	WO2015FR50145	20150121

Probable Assignee: GALOPOLI

Assignee(s):(std)**:** GALLOIS CHRISTOPHE ; GALOPOLI

Assignee(s): CHRISTOPHE GALLOIS

Inventor(s):(std)**:** GALLOIS CHRISTOPHE

Inventor(s): CHRISTOPHE GALLOIS

Agent(s): CABINET BLEGER RHEIN POUPON; RHEIN ALAIN

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

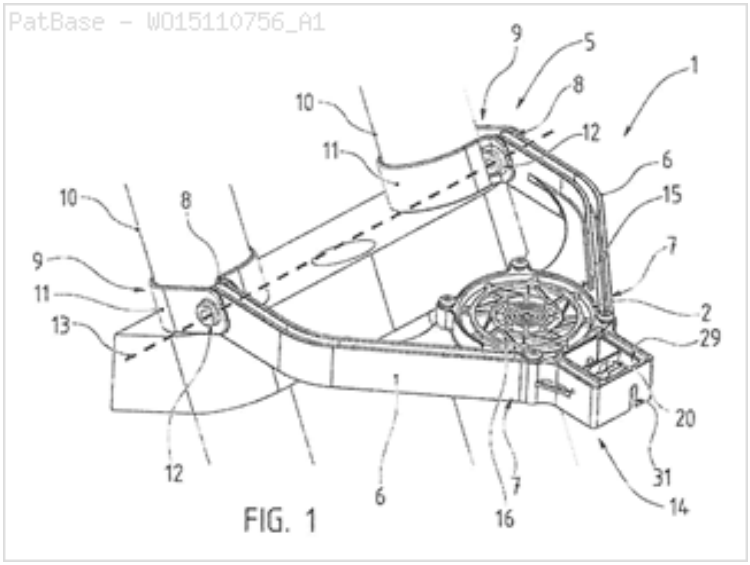
International class (IPC 8–9): B62J99/00 B62K11/14 B66D1/36 B66F19/00 (Advanced/Invention)

CPC: B62J99/00

Classification Explorer

Cited documents: WO8601495 A1, US2005029020 AA, US2001024042 AA, GB871073 A, DE20311965 U1, CN2238188 Y, CN2138081 Y,

Abstract:
The present invention concerns a device (1) for helping pull a vehicle such as a motorcycle out of mud, said device (1) comprising at least one housing (2) provided with an opening (3) and fitted with means (5) for attachment to said motorbike, said device (1) further comprising a link, mounted so as to move freely from a position in which it is at least partially enclosed inside said housing (2) to a deployed position, via intermediate positions, and vice versa, said link passing through the opening (3), characterised by the fact that it comprises means (14) for automatically blocking said link during any deployment movement, said means (14) allowing said link to move freely in the opposite direction.



0) CN204651469U – PORTABLE ANTENNA OF FENDER STRUCTURE

166) Family number: 60384994 (CN204651469U) © PatBase

Title:	PORTABLE ANTENNA OF FENDER STRUCTURE
Priority:	CN201520319247U 20150518

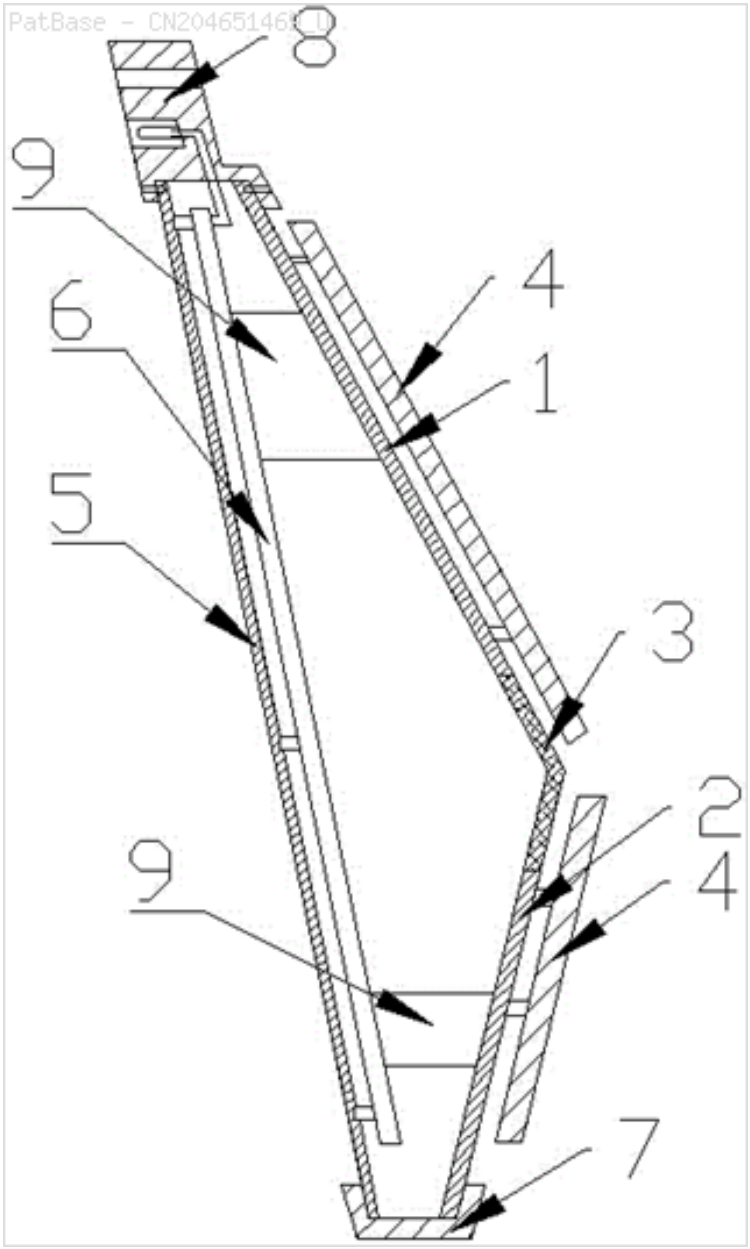
Family:

Publication number	Publication date	Application number	Application date
CN204651469 U	20150916	CN201520319247U	20150518

Probable Assignee:	JIANGSU SATELLITE NAVIGATION AND COMM CO LTD
Assignee(s):(std)**:**	JIANGSU SATELLITE NAVIGATION AND COMM CO LTD
Assignee(s):	JIANGSU SATELLITE NAVIGATION AND COMMUNICATION CO ; NAVIGATION SATELLITE COMMUNICATIONS LTD JIANG SU ZHONGHUAN
Inventor(s):(std)**:**	PENG MEIXIA ; SUN YANJING ; WANG YUANYUAN ; ZHANG HENG
International class (IPC 8–9):	H01Q1/22 H01Q1/42 H01Q1/52 H01Q21/28 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN204651469U The utility model relates to a portable antenna of fender structure, including the base plate, be fixed with signalling board and signal reception board on the base plate, the angle between signalling board and the signal reception board is X, and wherein X is greater than 90, is less than 180, through the fixed angle sign indicating number A fixed connection of one bar, is provided with a plurality of fixed orificess on fixed angle sign indicating number A, the bottom of base plate and the fixed angle sign indicating number B fixed connection that signal reception board support passes through the one bar between the top of base plate and the top of signalling board, the cross –section of base plate, signalling board and signal reception hoarding one –tenth for also being provided with electrical equipment installation cavity in triangle –shaped's the cavity, be provided with triangle –shaped's closing plate in the axial both sides of equipment fixing cavity, be provided with the electrical equipment fixed plate on the base plate, replace the back mud board of original motorcycle through the careful class plate –shaped antenna of one, not only can do the usefulness of fender simultaneously, obtained bigger signal reception and emitting area simultaneously.



0) CN204956760U – MOTORCYCLE SIMPLE CAB

167) Family number: 61407603 (CN204956760U)

© PatBase

Title: MOTORCYCLE SIMPLE CAB

Priority: CN201520495987U 20150710

Family:

Publication number	Publication date	Application number	Application date
CN204956760 U	20160113	CN201520495987U	20150710

Probable Assignee: JIANGSU ZONGSHEN MOTOR TRICYCLE MFT CO LTD

Assignee(s):(std)**:** JIANGSU ZONGSHEN MOTOR TRICYCLE MANUFACTURE CO LTD ; JIANGSU ZONGSHEN MOTOR TRICYCLE MFT CO LTD

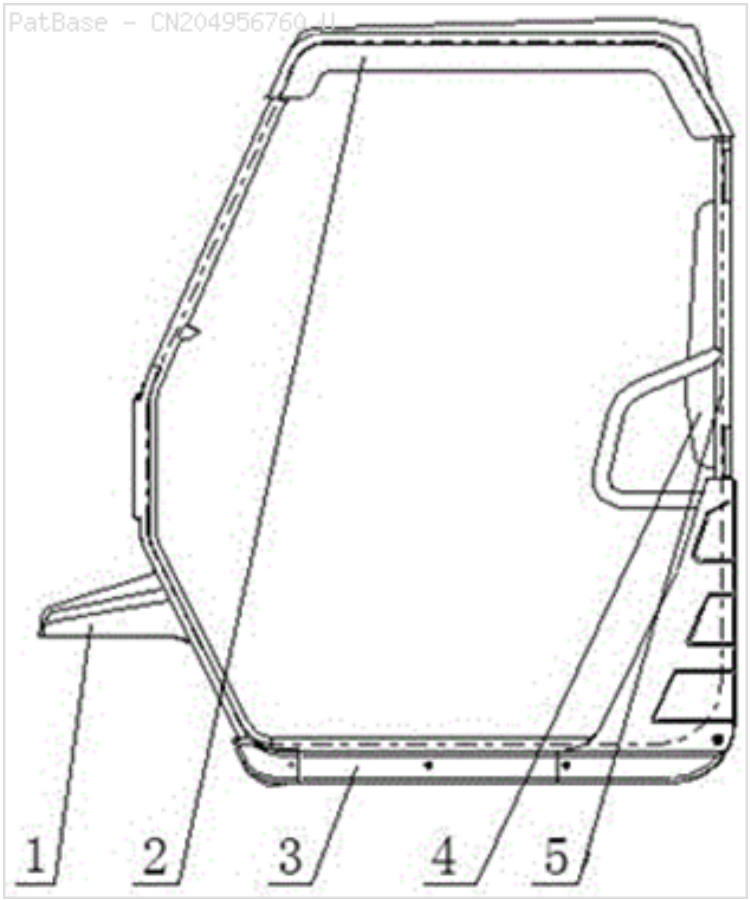
Assignee(s): JIANGSU ZONGSHEN MOTOR TRICYCLE MANUFACTURE CO ; JIANGSU ZONGSHEN MOTORCYCLE MFG CO LTD THREE

Inventor(s):(std)**:** CHEN SHIWEI ; LIN BAOJIAN ; WANG YAJUN ; ZHANG GUOHUA

International class (IPC 8–9): B62D33/06 B62J17/08 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN204956760U The utility model discloses a motorcycle simple cab, including keeping off mud tile (1), ceiling (2), front panel (9) and windshield (7), the skeleton of driver's cabin be pipe skeleton (5), and weld in the preceding lower part of pipe skeleton (5) front panel (9), and on fender mud (1) made of baked clay welded in the front panel (9), ceiling (2) set up at pipe skeleton (5) top, the ditch inslot in glass installation adhesive tape (6) is inlayed in windshield (7), and glass installation adhesive tape (6) is fixed on the rectangle frame on the preceding upper portion of pipe skeleton (5) through self draw –in groove installation. The driver's cabin skeleton adopts pipe skeleton texture be the main part, the ceiling about, decoration, back, windshield, front panel etc. Rationally install on the pipe skeleton, forms a complete simple cab, its is rational in infrastructure simple, with low costs, the handling ease is produced, use safe and reliable.



0) CN303718331S – MOTORCYCLE FRONT FENDER (MACHINE TRANSLATION)

168) Family number: 62723360 (CN303718331S)

© PatBase

Title: Motorcycle front fender (Machine translation)

Priority: CN201530552543F 20151223

Family:

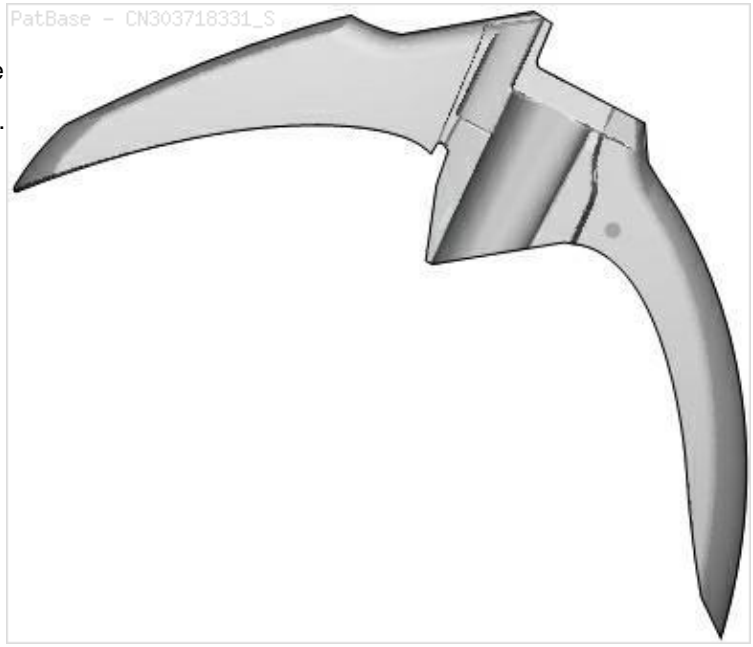
Publication number	Publication date	Application number	Application date
CN303718331 S	20160622	CN201530552543F	20151223

Probable Assignee: CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Assignee(s): CHONGQING CONSTRUCTION ELECTRICAL CO LTD

Locarno class: 12/11

Abstract:
Source: CN303718331S 1. The name of the product design: motorcycle front fender. 2. The product design Uses: This product design process for blocking the front wheels with 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) CN301803724S – FRONT FENDER (SY125–29C) (MACHINE TRANSLATION...

169) Family number: 50571415 (CN301803724S) © PatBase

Title: Front fender (SY125–29C) (Machine translation)

Priority: CN201130289889F 20110824

Family:

Publication number	Publication date	Application number	Application date
CN301803724 S	20120118	CN201130289889F	20110824

Locarno class: 12/11

Abstract:
Source: CN301803724S (Claim 1) 1. The name of the product design: the front fender (SY125–29C). 2. The use of product design: mounted on the front shock absorber motorcycle, serves to prevent mud splashing effect. 3. The design design elements: the shape. 4. The best indicator of design elements or photographs: a perspective view.

0) CN302307855S – FRONT FENDER (SY150–16C) (MACHINE TRANSLATION...

170) Family number: 52986245 (CN302307855S) © PatBase

Title: Front fender (SY150–16C) (Machine translation)

Priority: CN201230420451F 20120904

Family:

Publication number	Publication date	Application number	Application date
CN302307855 S	20130130	CN201230420451F	20120904

Locarno class: 12/11

Abstract:
Source: CN302307855S (Claim 1) 1. The name of the product design: front fender (SY150–16C). 2. The product design uses: mounted on the front shock absorber motorcycle, from the mud to prevent splashing effect. 3. Design elements of the design: the shape. 4. The best indicator of design elements or photographs: a perspective view.

0) CN302440737S – FRONT FENDER (200C) (MACHINE TRANSLATION)

171) Family number: 54012772 (CN302440737S) © PatBase

Title: Front fender (200C) (Machine translation)

Priority: CN201230626181F 20121213

Family:

Publication number	Publication date	Application number	Application date
CN302440737 S	20130522	CN201230626181F	20121213

Locarno class: 12/11

Abstract:
Source: CN302440737S (Claim 1) 1. The name of the product design: front fender (200C); 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud, etc; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN302440742S – REAR FENDER (200C) (MACHINE TRANSLATION)

172) Family number: 54012797 (CN302440742S) © PatBase

Title: Rear fender (200C) (Machine translation)

Priority: CN201230629367F 20121214

Family:

Publication number	Publication date	Application number	Application date
CN302440742 S	20130522	CN201230629367F	20121214

Locarno class: 12/11

Abstract:
Source: CN302440742S (Claim 1) 1. The name of the product design: the rear fender (200C). 2. The product design uses: a motorcycle with parts, the main role is to block the rain and mud, etc; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

173) Family number: 57070850 (CN302894786S) © PatBase

Title: Rear fender (motorcycles) (Machine translation)

Priority: CN201430073922F 20140401

Family:

Publication number	Publication date	Application number	Application date
CN302894786 S	20140730	CN201430073922F	20140401

Probable Assignee: FENG DEWEI

Assignee(s): FENG DEWEI

Locarno class: 12/11

Abstract:
Source: CN302894786S 1. The name of the product design: the rear fender (motorcycles). 2. The product design Uses: This product design for motorcycle blocked mud rain. 3. The design features the product's design: the shape of the product. 4. The best indicator of the design elements of the design pictures or photographs: front view.

174) Family number: 62723415 (CN303718332S)

© PatBase

Title: Motorcycle fork outer cover (right) (Machine translation)

Priority: CN201530552555F 20151223

Family:

Publication number	Publication date	Application number	Application date
CN303718332 S	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.



175) 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.



0) CN205396320U – MOTORCYCLE SUBASSEMBLY THAT KEEPS OUT WIND

176) Family number: 63032461 (CN205396320U)

© PatBase

Title: MOTORCYCLE SUBASSEMBLY THAT KEEPS OUT WIND

Priority: CN201620214456U 20160321

Family:

Publication number	Publication date	Application number	Application date
CN205396320 U	20160727	CN201620214456U	20160321

Probable Assignee: FUJIAN DEBANG MACHINERY MFG CO LTD

Assignee(s):(std)**:** FUJIAN DEBANG MACHINERY MFG CO LTD

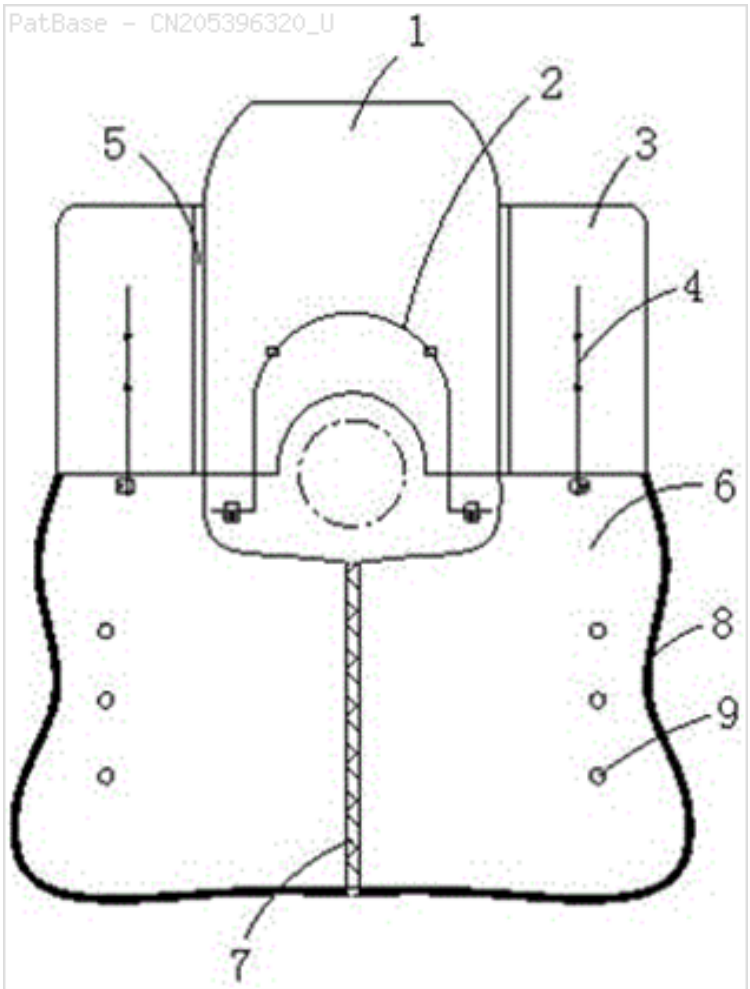
Assignee(s): FUJIAN IN STATE MACHINERY MFG CO ; FUJIAN DEBANG MACHINERY MFG CO

Inventor(s):(std)**:** JIANG DAPENG

International class (IPC 8–9): B62J17/04 B62J17/06 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN205396320U The utility model discloses a motorcycle subassembly that keeps out wind, including the peltate deep bead, the peltate deep bead pass through the U –shaped support frame fix the handlebar on hand, the peltate deep bead left and right sides all is provided with the side deep bead, the side deep bead passes through the bracing piece to be fixed on reflector bracket, is connected through transparent sealing strip between peltate deep bead and side deep bead, the below of both sides deep bead all can be dismantled and is connected with fender mud skin. Its simple structure, simple to operate, the effectual face that protects the driver, hand and shank, it is convenient to dismantle simultaneously, uses variety more.



0) IN00458CH2009A – CHAIN ADJUSTER FOR MOTORCYCLE

177) Family number: 51337816 (IN00458CH2009A) © PatBase

Title:	CHAIN ADJUSTER FOR MOTORCYCLE
Priority:	JP20000053634 20000304

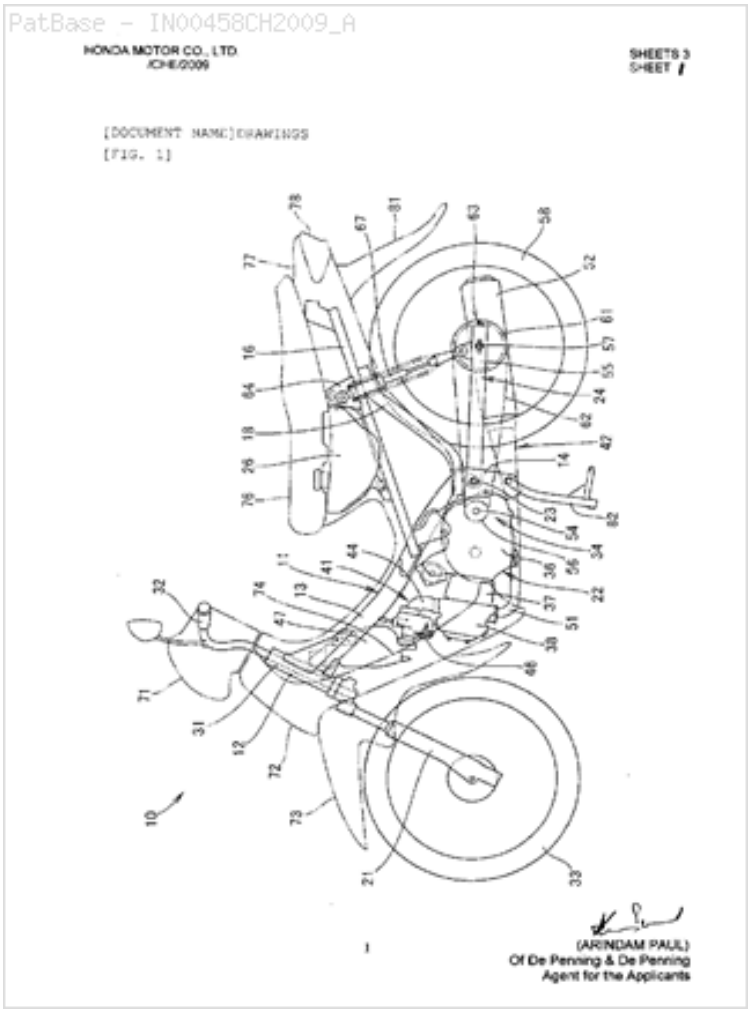
Family:

Publication number	Publication date	Application number	Application date
IN00458CH2009 A	20120622	IN2009CH00458	20090302

Probable Assignee:	HONDA MOTOR CO LTD
Assignee(s):	HONDA MOTOR CO LTD
Inventor(s):	KUWANO HIDEKI
International class (IPC 8–9):	B62K25/10 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN00458CH2009A [Object] To provide a chain adjuster for motorcycle which does no: allows dirt, rainwater, mud, and the like to enter a swing arm easily, and which achieves improvement in the appearance, and also improvement in the mounting properties. [Solving Means] A chain adjuster 63 includes: an adjustment bolt 92 disposed to penetrate an end cap 91; a flat–plate–shaped washer portion 93 attached to a tip end of the adjust bolt 92 and having a through hole 93a through which an axle 57 penetrates; and a collar 94 attached to an inner surface 93b of the washer portion 93 so that the through hole 93a and a bolt insertion hole 94a can be aligned coaxially. Here, the washer portion 93 is disposed to cover one of slits 105 from an inner side inside a swing arm 24, the slit 105 located on an outer side in a vehicle width direction.



0) CN204507115U – ELECTRONIC LEISURE SCOOTER

178) Family number: 59909563 (CN204507115U) © PatBase

Title: ELECTRONIC LEISURE SCOOTER

Priority: CN201510161061 20150408 CN201520204695U 20150408

Family:

Publication number	Publication date	Application number	Application date
CN104787186 A	20150722	CN201510161061	20150408
CN204507115 U	20150729	CN201520204695U	20150408

Probable Assignee: NANTONG BUYOUMAI ELECTRONIC TECHNOLOGY CO LTD

Assignee(s):(std)**:** NANTONG BUYOUMAI ELECTRONIC TECHNOLOGY CO LTD

Assignee(s): STEP STEP NANTONG ELECTRONIC TECHNOLOGY CO LTD ; NANTONG BUYOUMAI ELECTRONIC TECHNOLOGY CO

Inventor(s):(std)**:** XIA YIQING

International class(IPC 8–9)**:** B62K11/00 B62K11/02 B62K11/10 (Advanced/Invention)

Classification Explorer

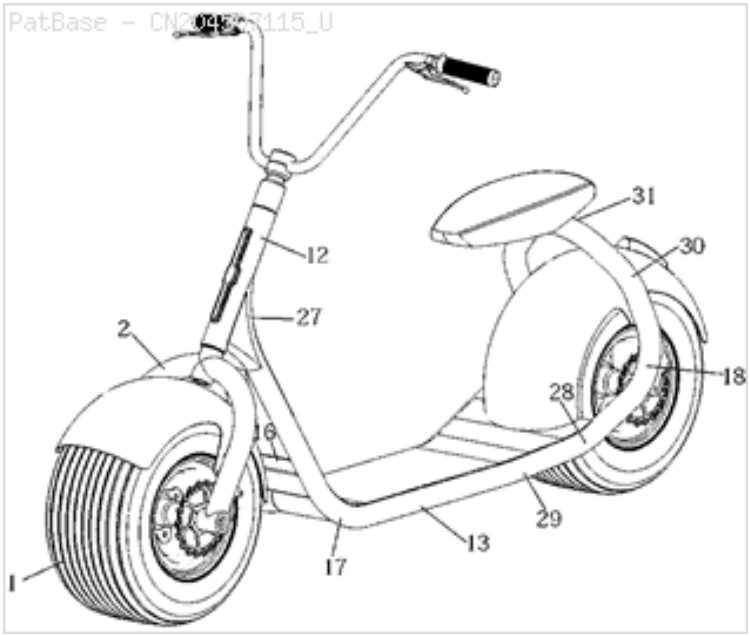
Cited documents: US2004016582 AA,

DE102010010172 A1

CN204507115 U, CN200988548 Y, CN104260808 A,

Forward Citations: CN104787186,

Abstract:
Source: CN204507115U The utility model relates to a hybrid leisure scooter, including front wheel assembly, frame, transfer, battery, in–wheel motor assembly, controller, front and back mud board, preceding driving lamp and tail lamp, brake and electronic pedal device, the utility model discloses a favourable effect: the product has combined the advantages such as using–way that the electric motorcycle–taxi ability of travelling frequently is reasonable with the simple structure of scooter and lie fallow, and through the improved design to the product details, the product structure is more reasonable, adapts various road conditions requirements, and application range is wider to through improving the motor theory of operation, make this car to drive with certain little hybrid on this basis, with the reinforcing actual service life.



0) JP56047373A – AIR CLEANER DEVICE FOR AUTOBICYCLE

179) Family number: 7262197 (JP56047373A) © PatBase

Title: AIR CLEANER DEVICE FOR AUTOBICYCLE

Priority: JP19790121837 19790921 JP19890072376 19890324

Family:

Publication number	Publication date	Application number	Application date
JP1577316 C3	19900824	JP19790121837	19790921
JP1699494 C3	19920928	JP19890072376	19890324
JP2070589 A2	19900309	JP19890072376	19890324
JP3067913 B1	19911024	JP19890072376	19890324
JP3067913 B4	19911024	JP19890072376	19890324
JP56047373 A2	19810430	JP19790121837	19790921
JP60058072 B4	19851218	JP19790121837	19790921

Probable Assignee: HONDA MOTOR CO LTD

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

Inventor(s):(std)**:** ISONO TOKIO ; HOSHI NORIO

International class (IPC 8–9)**:** B60K13/02 B62J99/00 B62K11/00 B62K11/02 B62K25/20 F02M35/02 F02M35/16 (Advanced/Invention); B60K13/00 B62J99/00 B62K11/00 B62K25/04 F02M35/00 F02M35/02 (Core/Invention)

International class (IPC 1–7)**:** B60K13/02 B62J39/00 B62K11/00 B62K11/02 B62K25/20 F02M35/02

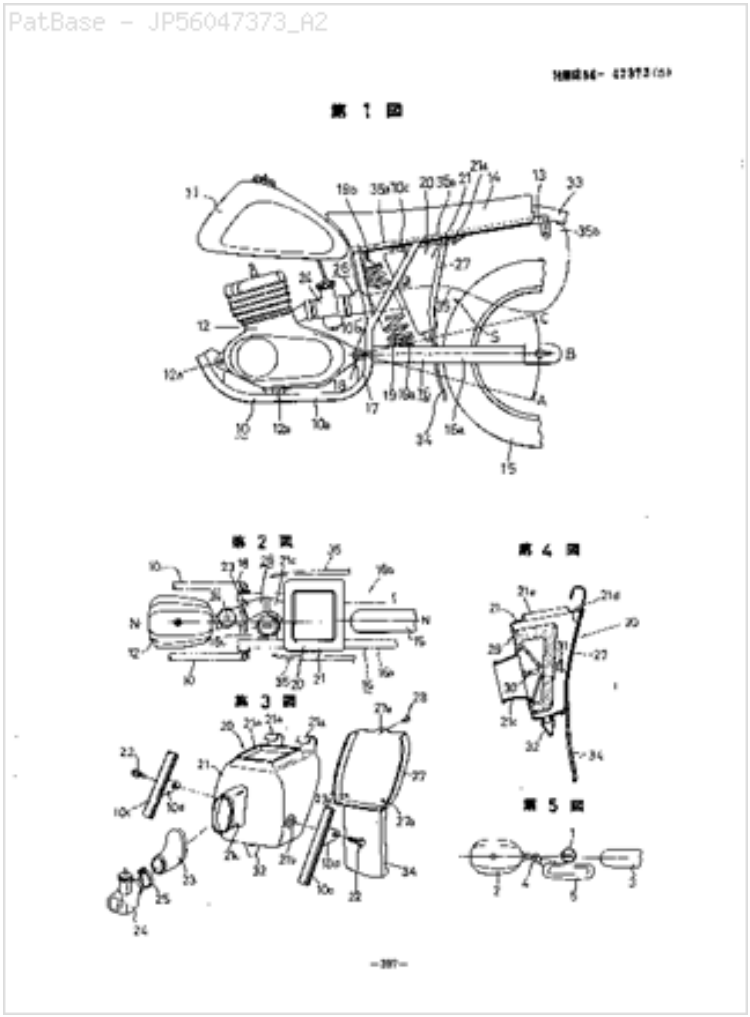
Classification Explorer

Cited documents: JP53040948 U1, JP53040948 U, JP53002839 A2, JP52171061 U1, JP52171061 U, JP51024059 U1, JP51024059 U, JP51024049 U1, JP51024049 U, JP51023763 U1, JP51023763 U,

Forward Citations: WO09084455, JP63087387, JP63000990, JP60060085, JP59029515, JP59023729, JP58141978, JP58136578, JP58044474, JP2013035310, JP2008230491, JP2006027397, EP1138932,

Abstract:
Source: JP2070589A PURPOSE:To enlarge the capacity of an air cleaner case as well as enable a sub−frame to serve as a fender for preventing splashes of mud from a rear wheel by providing an air cleaner case in front of the rear wheel and fitting both side faces of the air cleaner on the inner faces of the sub−frames. CONSTITUTION:The fitting position of a buffer 19 in the cross direction of a body is made in a position offset either to the right or left from the axis of the body, and an air cleaner is formed with its side face approximately in an inverse triangular form and is made an upward enlarging type with the longitudinal measure of its upper part being enlarged. The air cleaner in such a form is disposed between the buffer 19 and a rear wheel 15 as well as in a space below a seat, and thereby its measure in the cross direction of the body can be enlarged without being interfered by the buffer 19 so as to increase the capacity of the air cleaner. Vis are further inserted through a pair of right and left sub−frames 10 positioned on both side faces of a case 21 and brackets secured on the sub−frames 10 so as to screw the case 21 into the body. As a result, the sub−frames 10 function also as a part of a fender.

PatBase - JP56047373_A2



0) JP2000053052A – REAR FENDER DEVICE FOR MOTORCYCLE

180) Family number: 12718327 (JP2000053052A) © PatBase

Title: REAR FENDER DEVICE FOR MOTORCYCLE

Priority: JP19980246545 19980817

Family:

Publication number	Publication date	Application number	Application date
CN1084691 C	20020515	CN19991010362	19990715
CN1245126 A	20000223	CN19991010362	19990715
JP2000053052 A2	20000222	JP19980246545	19980817
JP4130016 B2	20080806	JP19980246545	19980817

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

Inventor(s):(std)**:** SEIBI YAGISHITA ; YAGISHITA MASAMI

Inventor(s): YAGISHITA SEIBI

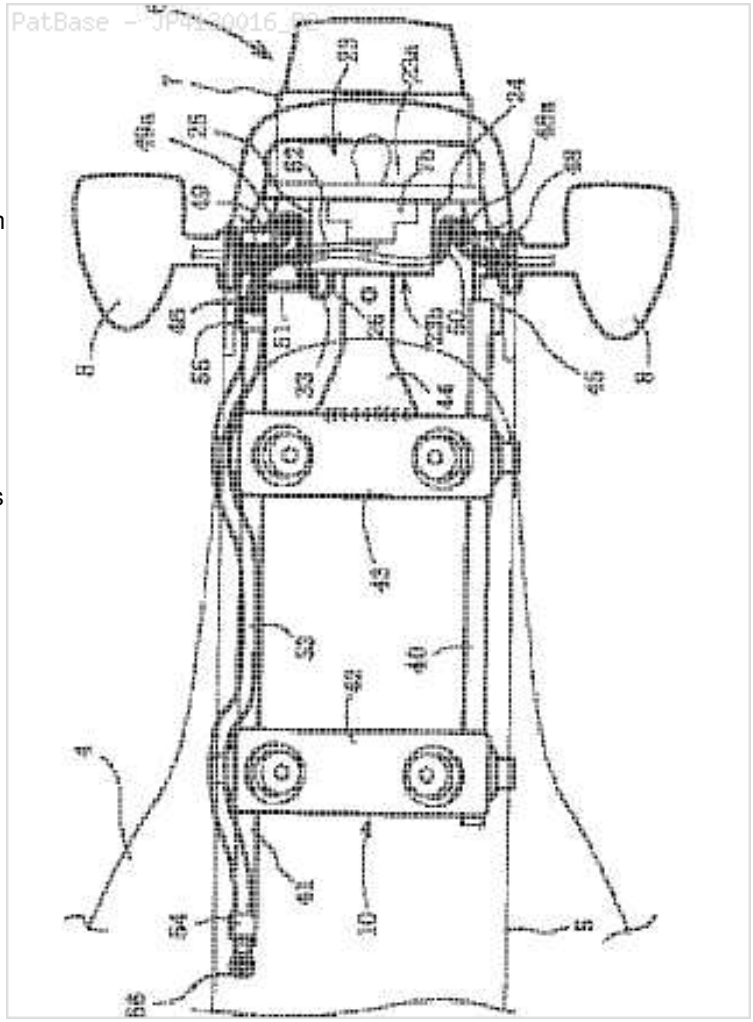
International class(IPC 8–9)**:** B62J15/00 B62J6/00 B62J6/18 (Advanced/Invention); B62J15/00 B62J6/00 (Core/Invention)

International class(IPC 1–7)**:** B62J15/00 B62J6/18

Classification Explorer

Forward Citations: US7367701, JP2011213225, JP2009179242, ES2398989, CN104501110,

Abstract:
Source: JP2000053052A PROBLEM TO BE SOLVED: To shorten the harness of a side mirror, and to reduce the clips. SOLUTION: Side mirrors 8 are fitted to the right and left of a mudguard 6, and a fitting recessed part 23 for housing a tail lamp 7 is provided to the above. The left and right side walls 24 and 25 of the fitting recessed part 23 are provided with harness holes respectively. Out of a left side mirror harness 50 and a right side mirror harness 51 extending from the left and right side mirrors 8, the left side mirror harness 50 is inserted into the fitting recessed part 23 through the harness hole of the left side wall 24, and is crossed to the other side and drawn out to the outside of the recessed part though the harness hole of the right side wall 25, and then put together with the right side mirror 51 so as to be an assembled harness 53, which is arranged to the one side of the vehicle toward the front.



0) DE4440652A1 – REAR MUDGUARD FOR BICYCLE HINTERRADABDECKUNG FU...

181) Family number: 29533344 (DE4440652A1) © PatBase

Title: Rear mudguard for bicycle

Priority: DE19930017578U 19931118 DE19944440652 19941114

Family:

Publication number	Publication date	Application number	Application date
DE4440652 A1	19950524	DE19944440652	19941114
DE9317578 U1	19940203	DE19930017578U	19931118

Probable Assignee: HOG THOMAS

Assignee(s):(std)**:** HOG THOMAS

Assignee(s): HOG THOMAS 77955 ETTENHEIM DE

Inventor(s):(std)**:** HOG THOMAS

Inventor(s): HOG THOMAS 77955 ETTENHEIM DE

International class (IPC 8–9)**:** B62J15/00 B62J17/00 (Advanced/Invention); B62J15/00 B62J17/00 (Core/Invention)

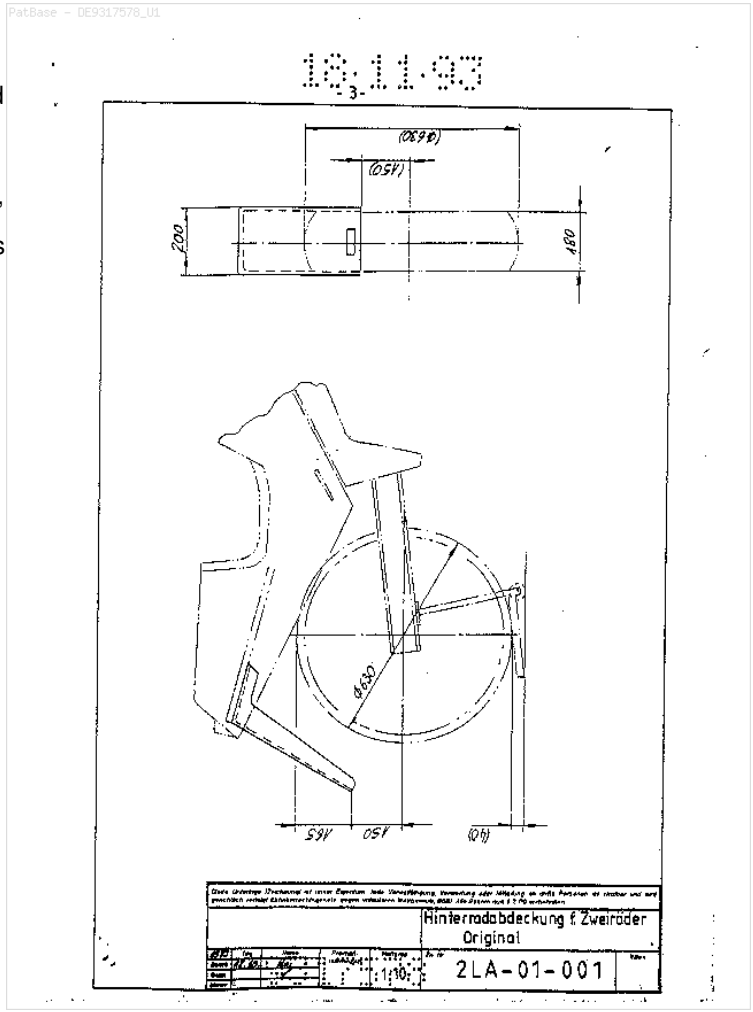
International class (IPC 1–7)**:** B62J17/00

CPC: B62J15/00 B62J17/00

European class: B62J15/00 B62J17/00

Classification Explorer

Abstract:
Source: DE4440652A1 The mudguard (1) is designed to protect the rider of a bicycle from mud thrown up by the rear wheel. It can be slid upwards on a telescopic guide to enlarge the opening, and it may be completely detachable using a quick–action fastener, or hinged in different directions. Adjustment can be electric, pneumatic, or by rope or spring, and the mudguard can be secured in different positions by a magnet or locking balls.



182) Family number: 33486772 (JP2006240460A)

© PatBase

Title: RESIN–MADE MEMBER ENGAGING STRUCTURE OF MOTORCYCLE

Priority: JP20050058052 20050302

Family:

Publication number	Publication date	Application number	Application date
JP2006240460 A2	20060914	JP20050058052	20050302

Probable Assignee: SUZUKI MOTOR CO

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

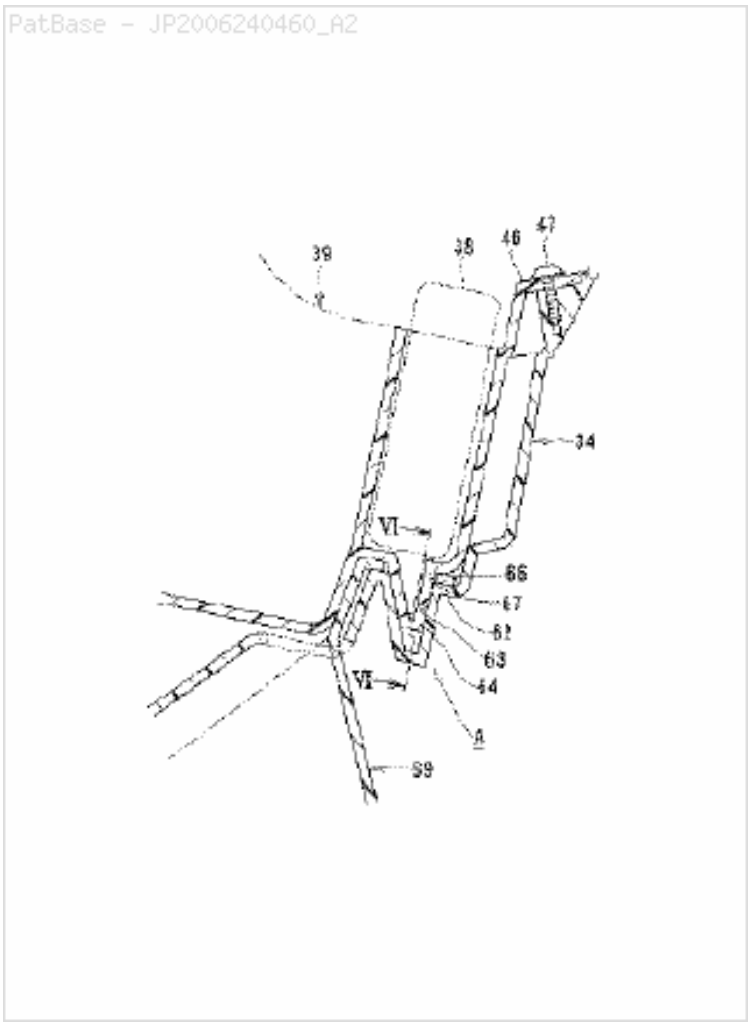
Assignee(s): SUZUKI MOTOR CORP ; SUZUKI KABUSHIKI KAISHA

Inventor(s):(std)**:** HATA YASUO

International class(IPC 8–9)**:** B62J11/00 B62J15/00 (Advanced/Invention); B62J11/00 B62J15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: JP2006240460A PROBLEM TO BE SOLVED: To reduce the number of components and the assembly man–hour, and to enhance the maintainability of an ABS unit by fixing a plurality of resin–made members to each other by a simple connection structure. SOLUTION: An engagement recessed part 63 is formed in a first resin–made member (a rear fender 34), an engagement projecting part 64 to be engaged with the engagement recessed part 63 is provided on a second resin–made member (a battery holder 39), and an engagement hole 67 with the engagement projecting part 64 to be passed therethrough is formed in a holding piece 66 of a third resin–made member (a mud guard 59). By passing the engagement projecting part 64 through the engagement hole 67 and inserting in the engagement recessed part 63, the first resin–made member (34), the second resin–made member (39) and the third resin–made member (59) are integrally engaged with each other.



0) CN302153429S – REAR FENDER REAR SECTION (322) (MACHINE TRANS...

183) Family number: 52299260 (CN302153429S) © PatBase

Title: Rear fender rear section (322) (Machine translation)

Priority: CN201230205865F 20120529

Family:

Publication number	Publication date	Application number	Application date
CN302153429 S	20121031	CN201230205865F	20120529

Locarno class: 12/11

Abstract:
Source: CN302153429S (Claim 1) 1. The name of the product design: after mudguard rear section (322); 2. The product design uses: motorcycle parts, the main role is to enhance the appearance of the product marketability, blocking the rear wheel brought from the mud, the tail lamps provide the anchor for the installation; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN302440730S – FRONT FENDER (390) (MACHINE TRANSLATION)

184) Family number: 54012738 (CN302440730S) © PatBase

Title: Front fender (390) (Machine translation)

Priority: CN201230607740F 20121207

Family:

Publication number	Publication date	Application number	Application date
CN302440730 S	20130522	CN201230607740F	20121207

Locarno class: 12/11

Abstract:
Source: CN302440730S (Claim 1) 1. The name of the product design: front mudguard (390); 2. The product design uses: a motorcycle with parts, the main role is to block the mud and rain, etc; 3. Design elements of the design: the overall shape of the product; 4. The best indicator of design elements or photographs: a perspective view.

0) CN303216643S – AFTER THE STOP IN THE MIDDLE OF MUD (327–CL) ...

185) Family number: 59276414 (CN303216643S) © PatBase

Title: After the stop in the middle of mud (327–CL) (Machine translation)

Priority: CN201430451187F 20141117

Family:

Publication number	Publication date	Application number	Application date
CN303216643 S	20150520	CN201430451187F	20141117

Probable Assignee: CHONGQING XINYUAN MOTORCYCLE CO LTD

Assignee(s): CHONGQING XINYUAN MOTORCYCLE CO LTD

Locarno class: 12/11

Abstract:
Source: CN303216643S 1. The product design: Rear fender middle (327–CL). 2. The product design Uses: This product design for motorcycle parts. 3. Design features of the product design: overall product appearance. 4. The best indicator of the design elements of the design drawings or photographs: a perspective view.



0) JP2007203827A – BELT−TYPE TRANSMISSION AND VEHICLE EQUIPPED WIT...

186) Family number: 37206523 (JP2007203827A) © PatBase

Title: BELT−TYPE TRANSMISSION AND VEHICLE EQUIPPED WITH LEG SHIELD

Priority: JP20060023403 20060131

Family:

Publication number	Publication date	Application number	Application date
CN101011991 A	20070808	CN200710007702	20070129
CN101011991 B	20101201	CN200710007702	20070129
JP2007203827 A2	20070816	JP20060023403	20060131
TH88785 A	20080229	TH20061006484	20061222

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** YOSHIHIRO FUNAYAMA ; EIKI TAKIGUCHI CHIKAJI FUNAYAM ; EIKI IKEDA ; CHIKAJI TAKIGUCHI ; TAKIGUCHI SHINJI ; IKEDA HIDEKI ; FUNAYAMA YOSHIHIRO

Inventor(s): TAKIGUCHI CHIKAJI FUNAYAMA YOSHIHIRO IKEDA EIKI ; TAKIGUCHI CHIKAJI ; IKEDA EIKI

International class (IPC 8–9)**:** B62J15/00 B62J17/06 B62J99/00 B62K11/00 F16H57/02 F16H57/035 F16H57/04 F16H9/12 (Advanced/Invention); F16H57/02 (Core/Invention)

International class (IPC 1–7)**:** F16H57/02

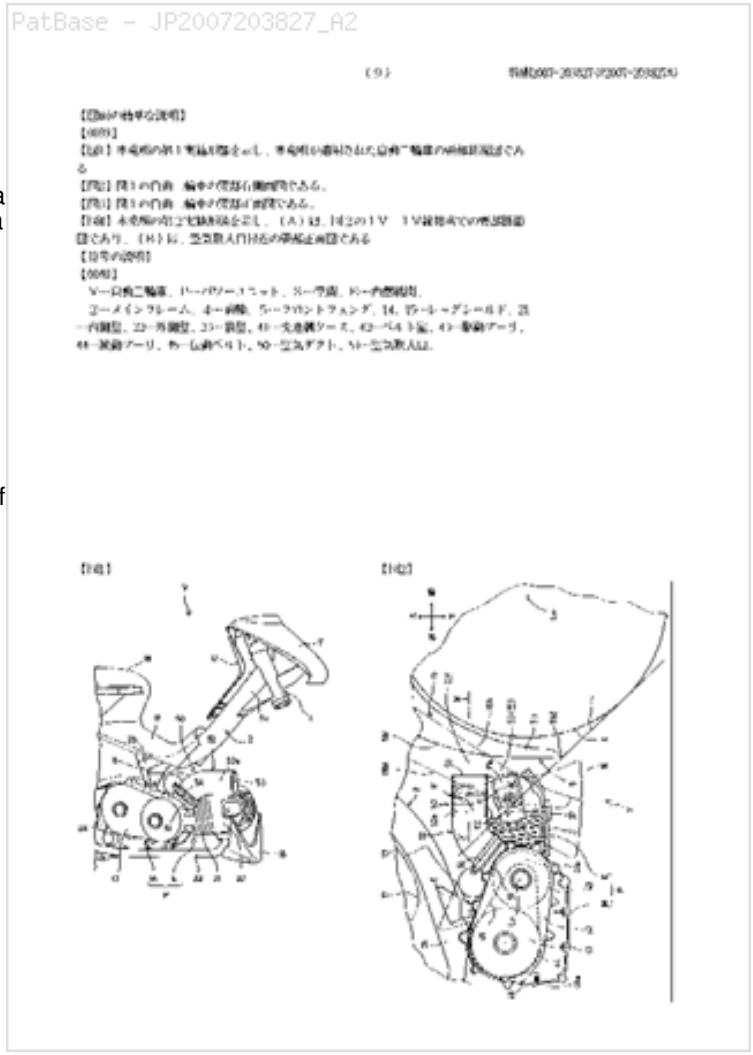
CPC: F16H57/0415 F16H57/0489

European class: F16H57/04J4 F16H57/04Z4B

Classification Explorer

Forward Citations: KR101063066, JP2010236690, JP2009220747,

Abstract:
Source: JP2007203827A PROBLEM TO BE SOLVED: To improve cooling effect for a transmission belt of a belt−type transmission, miniaturize an air duct, and allow the compact disposition by utilizing a leg shield equipped at the position capable of making good use of traveling wind as a cooling air introduced into a belt chamber of the belt−type transmission in a belt−type transmission and a vehicle equipped with the leg shield. SOLUTION: A motorcycle V is equipped with the belt−type transmission M equipped with a transmission case forming the belt chamber 42 storing the transmission belt 45, and a left leg shield and a right leg shield 15 separated in the right and left direction to each other. An air intake port 53 of an air duct 50 introducing the cooling air into the belt chamber 42 is disposed in a space opening toward the front and at the rear side of a front fender 5 between the left leg shield and the right leg shield 15.



- List: SS1 1−50 (ft=(vehicle) and two front wheels and fender*) (Results 41)

0) US2015210338A – VEHICLE

1) Family number: 56089642 (US2015210338A) © PatBase

Title: VEHICLE

Priority:

EP20130838840	20130924	EP20130863895	20131220	JP20120209873	20120924
JP20120209874	20120924	JP20120235605	20121025	EP20130864751	20131220
JP20120279974	20121221	JP20130138479	20130701	JP20130138478	20130701
JP20120276255	20121218	JP20120276257	20121218	JP20120278878	20121221
JP20120278879	20121221	JP20120279996	20121221	JP20130138483	20130701
WO2013JP75619	20130924	JP20130138481	20130701	JP20130138482	20130701
JP20130205459	20130930	JP20140509400	20131024	WO2013JP75691	20130924
JP20140509399	20130924	WO2013JP75679	20130924	JP20140510329	20130924
JP20140510330	20130924	WO2013JP75715	20130924	JP20140510331	20130924
JP20140528741	20131218	JP20140528714	20131218	JP20150500699	20140630
WO2013JP78876	20131024	WO2013JP75720	20130924	WO2013JP83937	20131218
WO2013JP83933	20131218	WO2013JP78867	20131024	WO2013JP84285	20131220
WO2013JP84341	20131220	WO2013JP84284	20131220	WO2013JP84266	20131220
WO2014JP67480	20140630	WO2014JP67478	20140630	WO2014JP67479	20140630

Family:

Publication number	Publication date	Application number	Application date
AP201408950 A0	20151231	AP20140008950	20140630
AP201508374 A0	20150430	AP20150008374	20130924
AP201508375 A0	20150430	AP20150008375	20130924
AP201508376 A0	20150430	AP20150008376	20130924
AP201508544 A0	20150630	AP20150008544	20131220
AP201508937 A0	20151231	AP20150008937	20140630
AP201508939 A0	20151231	AP20150008939	20140630
CN104487321 A	20150401	CN201380038929	20131218
CN104487322 A	20150401	CN201380038925	20131218
CN104487322 B	20170308	CN201380038925	20131218
CN104487323 A	20150401	CN201380038906	20131220
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Agent(s): JUAN PABLO CADENA SARMIENTO; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; INSAN BUDI MAULANA; ROHALDY MULUK; DIPL ING ROHALDY MULUK; SHIN EI PATENT FIRM PC; KEATING AND BENNETT LLP

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)**:** B60G13/04 B60G17/005 B60G17/016 B60G17/08 B60G21/00 B60G21/05 B60G21/055 B60G3/01 B60G3/20 B60T11/04 B60T11/10 B60T17/04 B60T8/17 B62D35/00 B62D7/00 B62D9/02 B62J15/00 B62J17/00 B62J17/02 B62J23/00 B62K11/02 B62K11/14 B62K19/32 B62K19/38 B62K19/40 B62K21/00 B62K21/02 B62K21/08 B62K21/12 B62K21/16 B62K21/18 B62K21/20 B62K25/00 B62K25/04 B62K25/08 B62K25/24 B62K3/00 B62K5/00 B62K5/01 B62K5/02 B62K5/027 B62K5/05 B62K5/06 B62K5/08 B62K5/10 B62K50/08 B62L1/00 B62L3/02 B62L3/08 B62L5/00 (Advanced/Invention); B60T17/04 B62K5/00 (Advanced/Non–invention); B60G17/005 B62D7/00 B62J15/00 B62J23/00 B62K19/40 B62K21/00 B62K21/02 B62K5/02 B62K5/05 B62K5/08 (Core/Invention)

CPC: B62J17/02 F16D65/0062 F16D65/12 B62K21/20 B62K25/08 B60G3/20 B60G21/0553 B60G2300/12 B60G2800/012 B62K5/06 B62J17/00 B62K5/02 B60G2200/144 B62K5/01 B62J15/00 B62J23/00 B62K5/00 B62K25/04 B60G17/0162 B60G17/08 B60G21/05 B60G2204/82 B60G2204/83 B62K21/00 B62K19/40 B60T17/04 B62L3/08 B62K2005/001 B62L5/006 B62K25/00 B62K21/12 B62K5/027 B62K19/38 B60T7/102 B60T11/16 B60T17/046 B62L3/023 B62K5/10 B62K5/05 B62K5/08 B60G3/01 B60G2200/44 B60G2204/422 B60G2204/8302 B60G2300/122 B60G2300/45 B62D9/02 B62K21/18 B62K2202/00 B62K21/02 B60G17/005

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Classification Explorer

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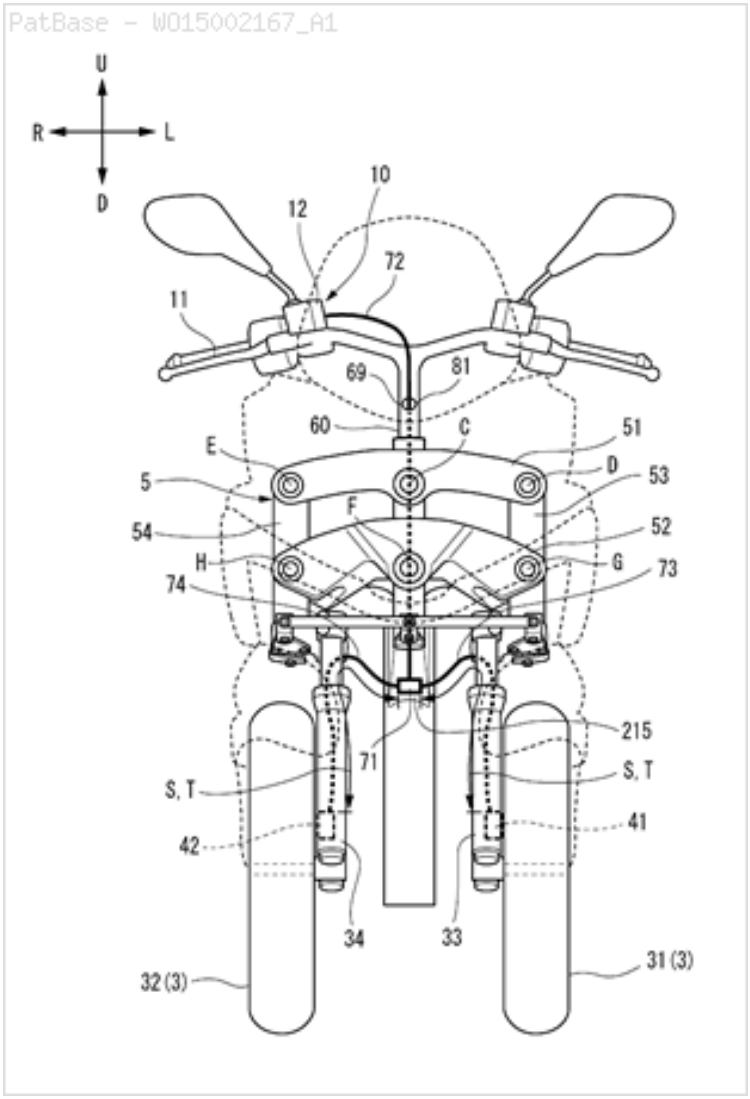
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Forward Citations: WO16052430, WO14181736, WO14181727, US9517807, US9428240, US9428235, US9371106, US9352798, US9340249, US9216790, US2016229480, US2016152292, US2016137253, US2016129964, US2016031520, US2015344091, US2015314827, US2015307149, US2015291241, US2015274244, US2015246704, JP5952516, JP2016175438, EP3144164, EP3069979, EP3069978, EP3069977, EP3069976, EP3002197, EP3002196, CN104743021, CN104554550,

Abstract:
Source: US2015210338A A vehicle includes a center transmission plate, a first center turnable portion configured to turn about a first center turning axis extending in an up−down direction, a second center turnable portion configured to turn about a second center turning axis extending in a front−rear direction, a left transmission plate, a first left turnable portion configured to turn about a first left turning axis extending in the up−down direction, a second left turnable portion configured to turn about a second left turning axis extending in the front−rear direction, a right transmission plate, a first right turnable portion configured to turn about a first right turning axis extending in the up−down direction, and a second right turnable portion configured to turn about a second right turning axis extending in the front−rear direction. A tie rod is supported on the second center turnable portion, the second left turnable portion, and the second right turnable portion.



0) US2015298736A – VEHICLE

2) Family number: 56777493 (US2015298736A) © PatBase

Title: VEHICLE

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** YAHAMA HATSUDOKI KK ; YAMAHA MOTOR CO LTD ; YAMAHA HUTSUDOKI KK

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Inventor(s): MITSUAKI OTHA ; KAZUHISA TAKANO

Agent(s): JUAN PABLO CADENA SARMIENTO; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; DIPL ING ROHALDY MULUK; INSAN BUDI MAULANA; SHIN EI PATENT FIRM PC; KEATING AND BENNETT LLP

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): B60G21/00 B60G3/20 B60R21/00 B62B9/02 B62D25/16 B62D9/02 B62J15/00 B62J15/04 B62J17/00 B62J17/02 B62J23/00 B62J99/00 B62K11/02 B62K11/04 B62K11/10 B62K11/14 B62K21/00 B62K21/12 B62K21/18 B62K25/08 B62K5/02 B62K5/027 B62K5/05 B62K5/06 B62K5/08 B62K5/10 (Advanced/Invention); B62J17/00 B62K21/12 B62K5/00 (Advanced/Non–invention); B60R21/00 B62J15/00 B62J23/00 B62J99/00 B62K5/05 (Core/Invention)

CPC: B62D25/16 B62K21/12 B62K5/06 B62K25/08 B62J17/00 B62K2005/001 B60G3/20 B60G2200/144 B60G2300/122 B60G2300/45 B62D9/02 B62J17/02 B62J23/00 B62K11/04 B62J15/00 B62K5/10 B62K5/027 B62K5/05 B62K5/08 B62K21/00 B62K2202/00

US class: 1/1 180/210 280/124.103 280/267 280/269

Classification Explorer

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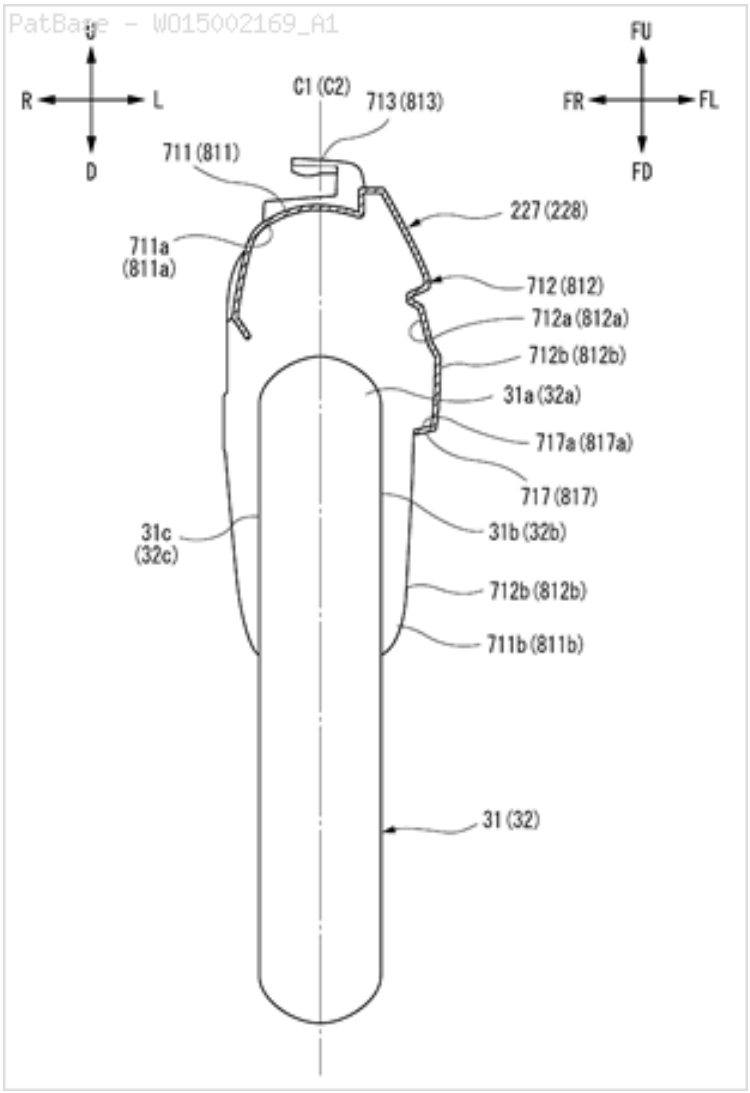
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Abstract:
Source: US2015298736A A right front fender and a left front fender are displaceable relative to a vehicle body frame in accordance with an operation of a link mechanism. At least a portion of the right front fender is disposed above a center in the up–down direction between an upper end of a right front wheel and a lower edge of the link mechanism or a steering mechanism directly above the right front wheel, and is disposed below a right lower edge of a front portion of a link cover portion, as seen from a front in the front–rear direction of the vehicle body frame when the vehicle body frame is in the upright state. At least a portion of the left front fender is disposed above a center in the up–down direction between an upper end of a left front wheel and a lower edge of the link mechanism or the steering mechanism directly above the left front wheel, and is disposed below the left lower edge of the front portion of the link cover portion, as seen from the front when the vehicle body frame is in the upright state.



0) US2001040063A – ENGINE CRADLE FOR A VEHICLE

3) Family number: 31380924 (US2001040063A) © PatBase

Title: Engine cradle for a vehicle

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PRODUC ; BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PRODUCTS ; BOMBARDIER RECREATIONAL PROD ; GIROUARD BRUNO ; FECTEAU BERTHOLD ; DION ANNE MARIE ; MASSICOTTE ALAIN ; AUDET MATHIEU ; WUBBOLTS JEROME

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Inventor(s): WUBBOLTS JER DOT OVER ; GIROUARD BRUNO 23738400P

Agent(s): SMART AND BIGGAR; OSLER HOSKIN AND HARCOURT LLP; BCF LLP; SOLF ALEXANDER; 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; PILLSBURY WINTHROP SHAW PITTMAN LLP; BRP LEGAL SERVICES

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

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Classification Explorer

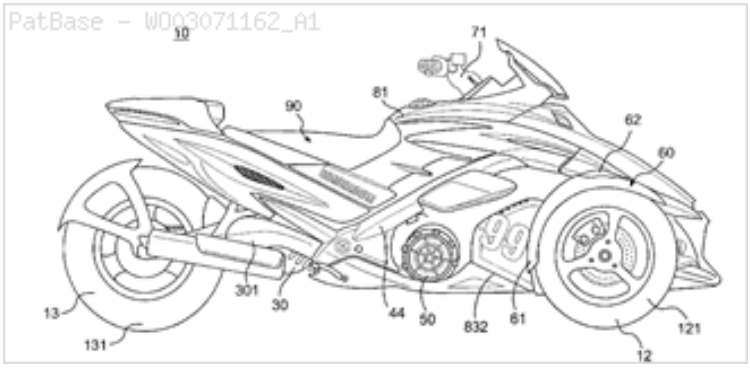
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Abstract:
Source: US2001040063A An engine cradle adapted for receiving an engine includes a left side wall defining a C−shaped opening therein. The engine cradle also includes a right side wall, which is essentially a solid wall that provides a reflective surface for reflecting heat to the engine when contained within the engine cradle. The engine cradle also includes a front wall connected between forward portions of the left and right side walls. The engine cradle also includes a bottom panel and a rear panel connected between bottom portions of the front, left side, and right side walls.



0) US2008023249A – SIDE–BY–SIDE ATV

4) Family number: 41151856 (US2008023249A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority:
CN200680055961 20061219 EP20060845748 20061219 US20060494891 20060728
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Family:

Publication number	Publication date	Application number	Application date
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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 ME 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)**:** B60G21/055 B60K11/00 B60K11/08 B60K17/00 B60K17/02 B60K17/34 B60K17/348 B60K5/00 B60N2/01 B62D21/03 B62D21/18 B62D21/20 B62D25/10 B62D31/00 (Advanced/Invention); B60K11/00 B60K17/34 B62D21/18 B62D31/00 (Core/Invention); B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/348 B60K5/00 B62D21/183

European class: B62D21/18B

US class: 1/1 180/233 180/291 180/292 180/312 180/337 180/337S 180/68.1 180/68.100P 180/68.2 180/69.2 180/69.200S 180/89.1 280/124.106 280/124.152 280/5.502 280/5.506 280/5.507 280/5.511 280/781 D12/14

Locarno class: 12/08 12/13

Classification Explorer

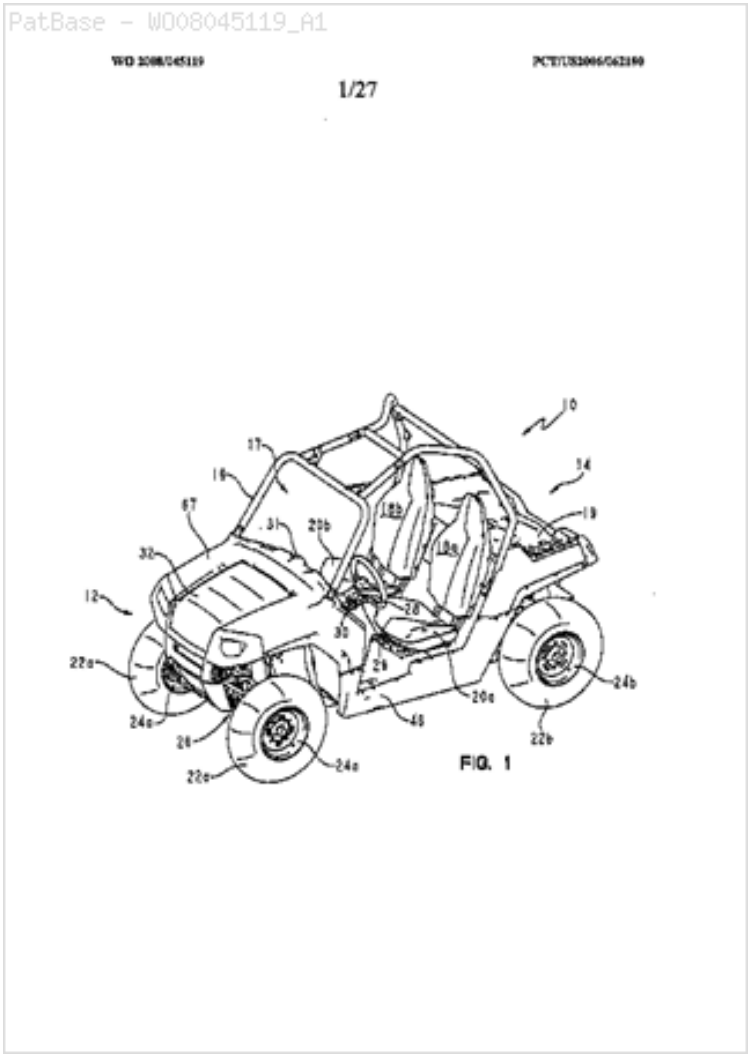
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Forward Citations: WO17017506, WO15054311, WO15035013, WO14143953, WO14138559, WO14134610, WO14130611, WO14130611, WO14115175, WO14115175, WO14093821, WO14059258, WO14039433, WO14039432, WO14039432, WO13166310, WO13149106, WO13116459, WO12109546, WO12106412, WO12082745, WO11004093, WO09008779, USD764974, USD764973, USD762522, USD722536, USD715689, USD701469, USD699627, USD694668, USD681508, USD675960, USD660746, USD636295, USD631395, USD601058, US9592782, US9592713, US9586627, US9555701, US9545838, US9506393, US9452789, US9452669, US9393894, US9365251, US9327587, US9321494, US9266417, US9227507, US9217501, US9211924, US9180801, US9152607, US9075699, US9063832, US9010768, US9004510, US8998253, US8998216, US8997908, US8973693, US8967318, US8944449, US8911312, US8834307, US8827028, US8827020, US8827019, US8801015, US8746719, US8640814, US8613337, US8613336, US8613335, US8596406, US8596405, US8556015, US8522911, US8517136, US8485303, US8464827, US8459671, US8430444, US8382125, US8381855, US8342283, US8328235, US8317257, US8313121, US8302711, US8251170, US8205910, US8196696, US8167072, US8157039, US8132827, US8100434, US8079602, US8037959, US8029021, US7950486, US7874605, US7871106, US7819220, US7802816, US7795602, US7717495, US2016280058, US2015274212, US2015274199, US2014224564, US2014209404, US2013008736, US2012217078, US2012193163, US2012160592, US2011240394, US2011240393, US2011174567, US2011094816, US2011094811, US2011048828, US2011012334, US2010326757, US2010194087, US2010155170,

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Abstract:
Source: US2008023249A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US2002033287A – CARGO CARRYING COMPARTMENTS OF AN ALL TERRAIN V...

5) Family number: 30116023 (US2002033287A) © PatBase

Title: Cargo carrying compartments of an all terrain vehicle

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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CA2467537 AA	20040507	CA20022467537	20021113
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Assignee(s): BOMBARDIER CHARLES ; BANK OF MONTREAL ; NADEAU DANIEL ; BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDLER RECREATIONAL PRODUCTS INC ; BRP INC

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

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

International class (IPC 8–9): B62D23/00 B62D33/02 B62J1/12 B62J1/28 B62J25/00 B62K5/00 B62K5/003 B62K5/01 B62K5/027 (Advanced/Invention); B62D33/02 B62J1/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7):	B60K17/34 B60N2/00 B60P1/16 B60P1/28 B60R11/06 B60R9/02 B60R9/06 B62D21/00 B62D23/00 B62D33/03 B62D39/00 B62J1/00 B62J25/00 B62K5/00
CPC:	B62J25/00 Y10S180/908 B62J1/12 B62K5/01 B62K5/027 B62D33/02 B62J1/28 B62J7/04 B62J7/06
European class:	B62D33/02 B62J1/12 B62J1/28 B62J25/00 B62J7/04 B62J7/06 B62K5/01 B62K5/027
US class:	180/233 180/311 180/312 180/89.1 180/89.100P 180/89.12 180/89.120S 180/908 224/401 224/433 224/495 280/304.4 280/304.400P 296/183.2 296/184 296/195 296/203.04 296/203.040P 296/37.1 296/371 296/57.1 296/571 298/17R 298/22R

Classification Explorer

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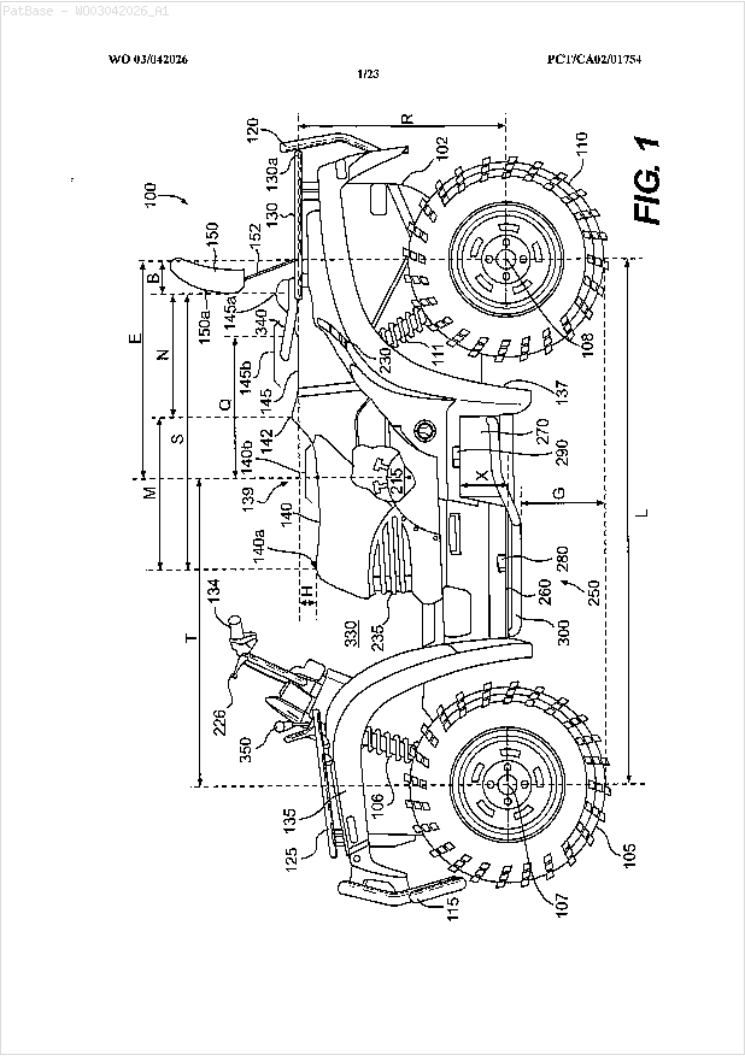
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Abstract:
Source: US2002033287A An all−terrain vehicle (ATV) includes various storage compartments so that the weight loaded onto the vehicle may be evenly distributed between the front and rear suspension of the ATV. The ATV is capable of hauling a variety of loads over various terrains. The ATV contains a rear storage compartment, at least two side storage compartments, a front storage compartment, and a front rack to enable the rider to carry or attach a wide variety of loads onto the ATV without causing the vehicle to overturn or flip up due to the additional weight. Additionally, the ATV may also include a tree guard positioned on each side of the ATV to protect the rear storage and side compartments and to prevent cargo on the rear storage compartment from being dislodged by trees that might protrude into the rider's path.



0) US2014214249A – THIN SAFE VEHICLE WHOSE SOLAR ARRAY CAN SUPPLY ...

6) Family number: 57085737 (US2014214249A) © PatBase

Title: THIN SAFE VEHICLE WHOSE SOLAR ARRAY CAN SUPPLY ITS POWER NEEDS

Priority: US20130815107 20130131

Family:

Publication number	Publication date	Application number	Application date
EP2762348 A2	20140806	EP20130186195	20130926
IN02037CH2013 A	20140808	IN2013CH02037	20130507
US2014214249 AA	20140731	US20130815107	20130131
US8886379 BB	20141111	US20130815107	20130131

Probable Assignee: FREEMAN BENJAMIN DAVID

Assignee(s):(std)**:** FREEMAN BENJAMIN ; FREEMAN BENJAMIN DAVID

Assignee(s): BEN FREEMAN

Inventor(s):(std)**:** FREEMAN BENJAMIN ; FREEMAN BENJAMIN DAVID

Inventor(s): BEN FREEMAN

Agent(s): MEYER DULHEUER KARL HERMANN

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)**:** B60L8/00 F24J2/00 G01C21/34 G06F17/00 (Advanced/Invention)

CPC: G01C21/3469 B60L8/003 Y02T10/7083

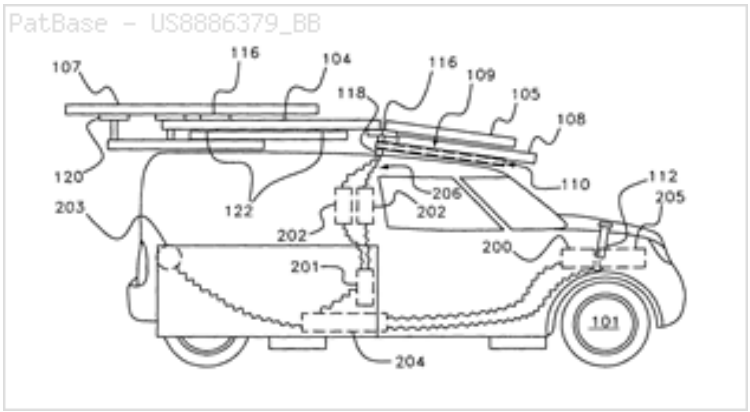
US class: 180/165 180/2.2 180/302 180/308 180/422 296/204 701/22 701/533

Classification Explorer

Cited documents: US8342283 BB, US8317257 BB, US8120308 BB, US7888590 BB, US5379596 A, US4452234 A, US4090577 A, US2014097030 AA, US2012073885 AA, US2011146751 AA, US2011049992 AA, US2010193261 AA, US2010078254 AA, US2010078253 AA, US2010078245 AA, US2009288890 AA, US2008100258 AA, US2008053510 AA, US2004094193 AA,

Forward Citations: US2014297072,

Abstract:
Source: US2014214249A This device is an ultra–thin vehicle where no more than twenty five percent of its solar array extends beyond the vehicle when it is being driven and the solar array is undeployed. However, this same solar array will cover an area at least twice as large as the vehicle when it is parked and the array is fully deployed. This solar array is also designed to make it possible to easily orient it towards the sun during the majority of time when it is parked. Hence, solar power can be the primary source of power for a typical driver due to the lowered power needs of this tapered ultrathin vehicle.



0) US2011035104A – SUSPENSION CONVERSION METHOD AND APPARATUS

7) Family number: 47431446 (US2011035104A) © PatBase

Title: SUSPENSION CONVERSION METHOD AND APPARATUS

Priority: US20090169648P 20090415 US20090180212P 20090521 US20090224293P 20090709 US20090238155P 20090829 US20090239314P 20090902 US20100761338 20100415

Family:

Publication number	Publication date	Application number	Application date
CA2700149 AA	20101015	CA20102700149	20100415
US2011035104 AA	20110210	US20100761338	20100415

Probable Assignee: DALLAS SMITH CORP

Assignee(s):(std)**:** DALLAS SMITH CORP ; SMITH JUDSON

Assignee(s): SMITH INTELLECTUAL PROPERTY LLC ; SMITH INTELLECTUAL PROPERTY LLC25 INDIANA STREETGREENCASTLEIN46135US ; DALLAS SMITH CORP1220 N. JACKSON STREETGREENCASTLEIN46135US

Inventor(s):(std)**:** SMITH JUDSON

Inventor(s): SMITH JUDSONUS

Agent(s): MARKS AND CLERK; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP

International class (IPC 8–9)**:** B23P17/00 B60G11/26 B60G17/017 B60G17/018 (Advanced/Invention)

CPC: Y10T29/49716 B60G17/052 B60G17/017 B60G2300/38 B60G2500/30 B60G2206/911

European class: B60G17/017 B60G17/052 L60G300/38 L60G500/30

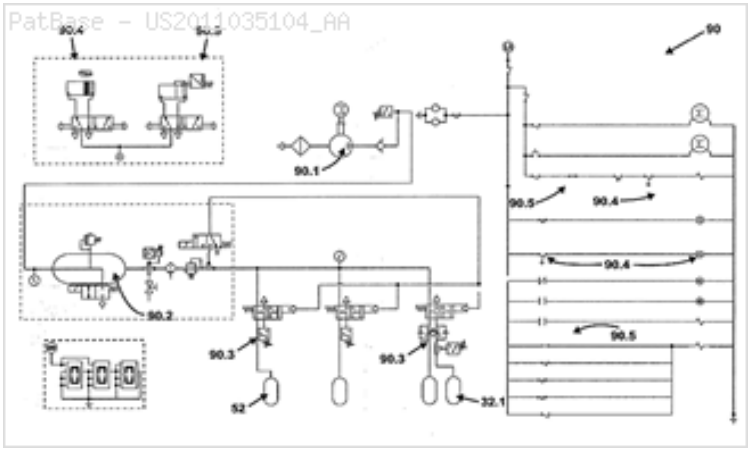
US class: 280/124.157 280/124.157S 280/6.151 280/6.151S 29/401.1 29/401.100S 701/37 701/37P

Classification Explorer

Cited documents: US7978119 BB, US7938416 BB, US7837203 BA, US782165 A, US7816878 BB, US7735839 BA, US7614630 BB, US7597336 BB, US7551995 BB, US7429054 BA, US7234713 BA, US6789017 BB, US6729829 BB, US6623016 BB, US6456914 BA, US6450587 BA, US6409458 BA, US6343908 BA, US6282968 BA, US6240339 BA, US6203265 BA, US6098995 A, US6097480 A, US6071064 A, US6070861 A, US5873593 A, US5422810 A, US5403032 A, US5380144 A, US5193063 A, US5137297 A, US5052713 A, US5031737 A, US4966387 A, US4916372 A, US4847972 A, US4736958 A, US4733876 A, US4697822 A, US4253699 A, US3941261 A, US3934925 A, US3893697 A, US2011070057 AA, US2011068566 AA, US2011049828 AA, US2010283581 AA, US2010270769 AA, US2010152969 AA, US2010073131 AA, US2009274542 AA, US2009271934 AA, US2009261551 AA, US2009133334 AA, US2009126179 AA, US2009108547 AA, US2009105905 AA, US2009085370 AA, US2007267992 AA, US2007235972 AA, US2007138755 AA, US2007114345 AA, US2006151229 AA, US2004256815 AA, US2004251584 AA, US2003044266 AA, US2003007851 AA, US2002035423 AA,

Forward Citations: WO13169182, US9358854, US9272594, US9101519, US2015137463, US2014199144, US2010072733, GB2504749, DE102015006597,

Abstract:
Source: US2011035104A Methods and apparatus for modifying a vehicle chassis. In one embodiment the modified vehicle is capable of being placed close to the roadway at a position suitable for deployment of a wheel chair ramp that complies with ADA requirements. In yet another embodiment, the vehicle can be raised to a position in which the frame of the vehicle is higher than it was when the ramp was deployed, such that the frame provides crash worthiness to the vehicle relative to side impacts. Yet other embodiments pertain to vehicles that have a plurality of wheels in which the suspension for the wheel is biased by a pneumatic spring. Various embodiments pertain to methods and apparatus for safely interlocking the operation of the pneumatic air springs with the controls of the vehicles.



0) US2008023240A – SIDE–BY–SIDE ATV

8) Family number: 41151868 (US2008023240A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority: CN200680055951 20061219 EP20060849980 20061219 US20060494890 20060728 US20140478689 20140905 US20140478700 20140905 US20130776588 20130225 WO2006US48369 20061219

Family:

Publication number	Publication date	Application number	Application date
AT518727 E	20110815	AT20060849980T	20061219
AU2006346500 AA	20080131	AU20060346500	20061219
AU2006346500 AB	20090319	AU20060346500	20061219
AU2006346500 BB	20120517	AU20060346500	20061219
CN101511664 A	20090819	CN200680055951	20061219
CN101511664 B	20140402	CN200680055951	20061219
CN103879454 A	20140625	CN201410069269	20061219
CN103879454 B	20170412	CN201410069269	20061219
DE602006023576 D1	20111006	DE200660023576T	20061219
EP2046625 A1	20090415	EP20060849980	20061219
EP2046625 B1	20110803	EP20060849980	20061219
ES2370340 T3	20111214	ES20060849980T	20061219
HK1134666 A1	20141128	HK20100101653	20100212
HK1199430 A1	20150703	HK20140112986	20141225
MX2009000807 A1	20090203	MX20090000807	20061219
US2008023240 AA	20080131	US20060494890	20060728
US2014374183 AA	20141225	US20140478689	20140905
US2014374184 AA	20141225	US20140478700	20140905
US8827028 BB	20140909	US20060494890	20060728
WO08013564 A1	20080131	WO2006US48369	20061219
ZA200901197 A	20100127	ZA20090001197	20090219

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; POLARIS INC ; TULLEMANS MARCUS JOHANNES ; SUNSDAHL LARRY RICHARD ; SUNSDAHL RICHARD LARRY ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G

Assignee(s): POLARIS IND INC MEDINA ; POLARIS IND ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; SUNSDAHL LARRY RICHARD ; TULLEMANS MARCUS JOHANNES ; WHITE GEOFFREY G ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G G ; RICHARD SUNSDAHL LARRY ; MICHAEL SAFRANSKI BRIAN ; MEYER ALAN A A ; JOHANNES TULLEMANS MARCUS ; DAVID DECKARD AARON ; CARL PLUGGE JASON ; SUNSDAHL RICHARD LARRY

Inventor(s): PLUGGE JASON CARL COON RAPIDS ; MEYER ALAN A EDINA ; MARCUS JOHANNES TULLEMANS ; LARRY RICHARD SUNSDAHL ; JASON CARL PLUGGE ; GEOFFREY G WHITE ; DECKARD AARON DAVID LINDSTROM ; ALAN A MEYER ; AARON DAVID DECKARD ; WHITE GEOFFREY G NORWAY ; TULLEMANS MARCUS JOHANNES EDEN PRAIRIE ; SUNSDAHL LARRY RICHARD ROSEAU ; SAFRANSKI BRIAN MICHAEL STRANDQUIST

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; REUTELER AND CIE SA; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; YERKESON DOUGLAS A

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 (IPC 8–9): B60K11/00 B60K17/35 B60K5/00 B60K5/12 B60N2/01 B62D21/00 B62D21/18 B62D33/06 (Advanced/Invention); B60K11/00 B62D21/00 B62D21/18 (Core/Invention); B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/35 B60K5/12 B62D33/0617 B62D21/183

European class: B62D21/18B

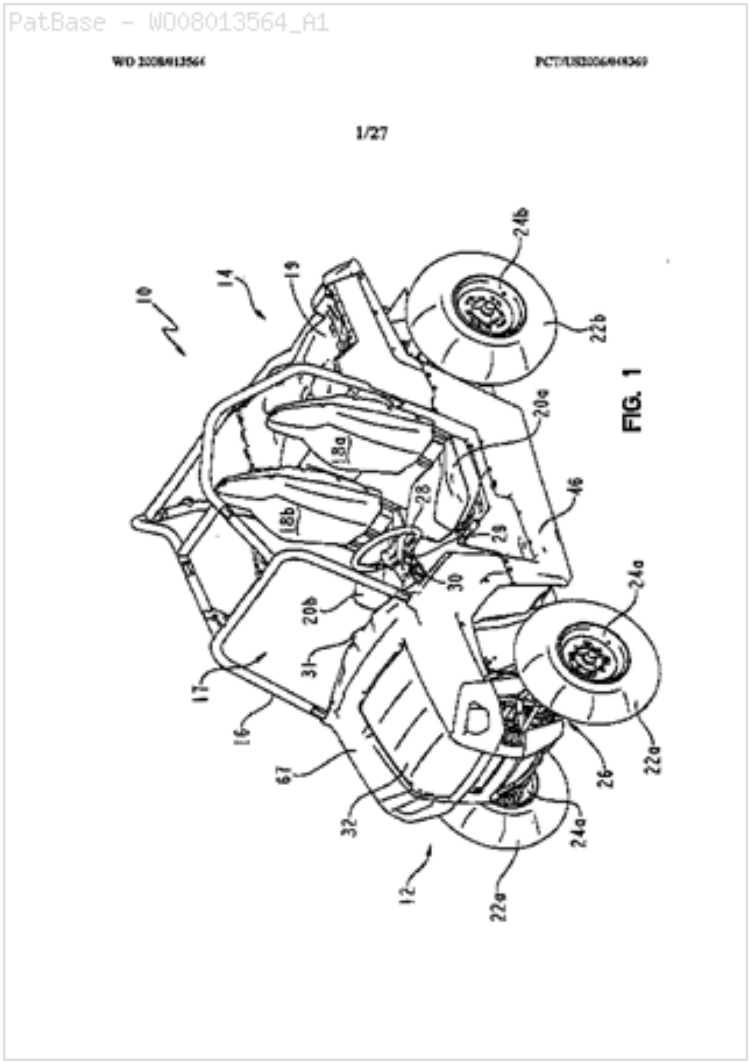
US class: 180/233 180/233 180/292 180/312 180/312S 180/68.2 180/68.200P

Classification Explorer

Cited documents: USD605555 S1, USD604201 S1, USD595613 S1, USD578934 S1, USD578433 S1, USD511317 S1, USD494890 S1, USD436557 S1, USD237873 S1, US8746719 BB, US8662239 BB, US8499882 BB, US8464827 BB, US8225901 BB, US8215443 BB, US8100434 BB, US8052202 BB, US7658258 BB, US7600769 BB, US7588010 BB, US7513329 BB, US7438156 BB, US7438153 BB, US7396066 BB, US7367417 BB, US7367247 BB, US7357211 BB, US7347490 BB, US7195001 BA, US7168516 BB, US6892847 BB, US6887182 BB, US6868932 BA, US6820708 BB, US6799781 BB, US6799779 BB, US6722463 BA, US6631775 BA, US6626260 BB, US6523634 BA, US6523627 BB, US6467787 BA, US6412585 BA, US6161843 A, US6149540 A, US6142123 A, US6070689 A, US6056078 A, US6054844 A, US5954364 A, US5950748 A, US5833023 A, US5819702 A, US5513721 A, US5477936 A, US5374081 A, US5373910 A, US5327989 A, US5251713 A, US5234247 A, US5193635 A, US5147003 A, US5036938 A, US5033567 A, US4934737 A, US4896899 A, US4817985 A, US4811970 A, US4798400 A, US4773675 A, US4721178 A, US4696508 A, US4693134 A, US4561323 A, US4505169 A, US4484765 A, US4385894 A, US4377094 A, US4369674 A, US4358967 A, US4358072 A, US4342533 A, US4340123 A, US4274502 A, US4229018 A, US4217970 A, US4026378 A, US3858901 A, US3829117 A, US3760770 A, US3709314 A, US3688493 A, US3686978 A, US3580350 A, US3407893 A, US34030106, US3401763 A, US3366411 A, US3331464 A, US3282369 A, US3246716 A, US2576017 A, US2468809 A, US2014034409 AA, US2013319785 AA, US2013319784 AA, US2013294856 AA, US2013234412 AA, US2013075183 AA, US2013048407 AA, US2013048406 AA, US2012223500 AA, US2012193163 AA, US2011209937 AA, US2011094818 AA, US2011024258 AA, US2010078256 AA, US2009178871 AA, US2008308334 AA, US2008023249 AA, US2008023240 AA, US2007267241 AA, US2007256882 AA, US2007221430 AA, US2007170681 AA, US2007024044 AA, US2007000715 AA, US2006289224 AA, US2006273539 AA, US2006219463 AA, US2006180383 AA, US2006065231 AA, US2006032690 AA, US2005280254 AA, US2005279541 AA, US2005247505 AA, US2005211492 AA, US2005173180 AA, US2005173177 AA, US2005161934 AA, US2005006168 AA, US2004262985 AA, US2004206567 AA, US2004195797 AA, US2004195034 AA, US2004195028 AA, US2004195019 AA, US2004031639 AA, US1791815 A, US1648536 A, DE737529,

Forward Citations: WO14134610, WO13165901, WO13149106, WO13149106, WO12106412, WO11152817, WO09137579, USD636295, USD631395, USD597890, USD595613, US9592782, US9592713, US9539871, US9469336, US9434244, US9370999, US9365251, US9327587, US9321494, US9217501, US9211924, US9186952, US9180801, US9010768, US9004510, US8998253, US8827028, US8827020, US8827019, US8746719, US8696006, US8657060, US8640814, US8613337, US8613336, US8613335, US8596405, US8464827, US8382125, US8328235, US8302711, US8205910, US8196696, US8167072, US8157039, US8132827, US8079602, US8029021, US7950486, US7871106, US7819220, US7795602, US7717495, US2016221636, US2016185171, US2015224874, US2015090515, US2014262584, US2014209404, US2013127146, US2012160592, US2011048828, US2010155170, US2009302590, US2009301830, US2009178871, US2009121518, US2009091101, US2009071739, US2009000849, US2008308334, US2008023249, EP2698274, CN105142938, CN104321241, CN104203614, CN103221240, CN103221240, CN102126521, CN102056788,

Abstract:
Source: US2008023240A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US4217970A – CONFIGURATION AND CONSTRUCTION OF FOUR WHEELED ...

9) Family number: 7850569 (US4217970A) © PatBase

Title: Configuration and construction of four wheeled motor vehicles

Priority: US19740437482 19740128 US19750597311 19750808 US19770857567 19771205 US19770857568 19771205 US19770857566 19771205

Family:

Publication number	Publication date	Application number	Application date
US4217970 A	19800819	US19770857568	19771205
US4227589 A	19801014	US19770857567	19771205
US4229018 A	19801021	US19770857566	19771205
US4290620 A	19810922	US19750597311	19750808

Probable Assignee: CHIKA JOHN J

Assignee(s):(std)**:** CHIKA JOHN J

Inventor(s):(std)**:** CHIKA JOHN J

International class (IPC 8–9)**:** B60G21/055 B62D23/00 B62D31/00 B62K13/06 B62K27/02 B62M6/10 B62M6/25 B62M6/35 (Advanced/Invention)

International class (IPC 1–7)**:** B60K17/00 B62D21/12 B62D61/00 B62K13/06 B62K27/12

CPC: B60G21/055 B62D23/005 B62K5/08 B62K13/06 B62K27/00 B62D31/003 B62K27/02 B62M6/10 B62M6/25

European class: B60G21/055 B62D23/00B B62D31/00B B62K13/06 B62K27/00 B62K27/02 B62K5/08 B62M6/10 B62M6/25

US class: 180/205.7 180/206 180/221 180/298 180/342 180/366 180/89.1 280/203 280/209 280/282 280/283 280/93.514 296/193.05 296/205

Classification Explorer

Cited documents: US784042, US739633 A, US646791 A, US636155 A, US4093258 A, US4028957, US3961807, US3951427, US3941075, US3902738 A, US3894615, US3887210, US3794352 A, US3768834 A, US3517764, US3435701, US3429584, US3013814 A, US2891804, US2691421, US2625230, US2578886 A, US2409887 A, US2248223 A, US1848451 A, US1478316 A, SU553132 T, SU231326 T, IT443900 A, GB728346, GB506208 A, GB189818531 A, GB189622529 A, GB1078535 A, FR971572, FR605567 A, FR601057 A, DE812643 A, DE121044 A, AT182323 B,

Forward Citations: WO9627518, WO16022493, WO15155697, WO15119506, WO14039761, WO13030225, WO11004093, WO07103188, WO07103188, WO07068000, WO04067367, WO04067367, WO03037679, WO0249889, WO0063065, USD766137, USD638333, USD586696, USD586695, USD586261, USD586260, USD585790, USD585789, USD585788, USD575675, USD564410, USD563274, USD507993, USD505364, USD503661, US9394027, US9365251, US9340250, US9321494, US9284007, US9217501, US9211924, US9205730, US9174693, US9114851, US9085335, US9016774, US9004535, US8998216, US8955632, US8944492, US8944301, US8899615, US8894081, US8851558, US8827028, US8827020, US8827019, US8752743, US8746719, US8640796, US8613336, US8613335, US8596405, US8486846, US8397844, US8382125, US8146937, US8141668, US7967312, US7874566, US7819220, US7775538, US7770682, US7721836, US7695393, US7658258, US7530411, US7473204, US7461864, US7213866, US7066530, US7017702, US7004502, US6994179, US6905138, US6860512, US6755265, US6634701, US6631925, US6623067, US6578904, US6561532, US6554308, US6527290, US6435601, US6428086, US6419304, US6311997, US6250711, US6250410, US6170844, US6145922, US6065557, US6059058, US6022036, US6010155, US5934745, US5845937, US5806620, US5741045, US5613918, US5511809, US5292142, US5251721, US4924959, US4834410, US4787647, US4740004, US4425976, US2017021893, US2015210319, US2015069732, US2015042063, US2015014957, US2014224564, US2014224557, US2013263696, US2013187407, US2013092466, US2013056293, US2012318595, US2012242110, US2012098300, US2012037672, US2011308872, US2011285170, US2011272925, US2011048828, US2011018225, US2010314852, US2009178871, US2009114465, US2009001764, US2008314668, US2008246301, US2008023249, US2008023240, US2007261900, US2007207889, US2007144799, US2007000715, US2006151224, US2006033361,

US2005285415, US2005280254, US2005280217, US2005034904, US2004245745, US2004154854, US2004129489, US2004124033, US2004104065, US2004084889, US2004066025, US2004026144, RU2507086, GB2492786, FR2947797, FR2727377, FR2720048, FR2640575, FR2559119, FR2530212, ES2412031, EP2060477, EP1977922, EP1717138, EP0534831, DE4125832, DE19804104, DE19613446,

Abstract:
Source: US4217970A A four−wheeled motor vehicle constructed by operatively coupling two exclusively configured left and right longitudinal side structures by plural, transversely positioned connecting and bracing members. Each side structure operatively supported by its own front wheel adapted for steering and rear wheel adapted for propelling the vehicle. Each of the connecting members comprising a longer mid−portion positioned transversely between the two longitudinal sides, and two shorter end−portions which are secured to correspondingly positioned structurally rigid sections of them. Steering system operatively couples the two front wheels of the two sides for steering thus coupled vehicle. A propulsion plant propels at least one of the wheels. All operating controls are configured for safe and legal operation of the vehicle by its driver. The longer mid−portions of said connecting members support body panels positioned intermediate the two side structures, vehicle floor and seats. The basic configuration is adaptable to be combined into variously configured, open, closed and convertible vehicle bodies. Various facets of the basic concept are adaptable for partial application in construction of new and conversion of existing conventionally constructed motor vehicles of all types.



10) Family number: 28668602 (US2003066698A) © PatBase

Title: Quick mount vehicle engine compartment splash panel

Priority: US20010971826 20011005

Family:

Publication number	Publication date	Application number	Application date
US2003066698 AA	20030410	US20010971826	20011005
US6581708 BB	20030624	US20010971826	20011005

Probable Assignee: INT TRUCK INTELLECTUAL PROPERTY CO

Assignee(s):(std)**:** FUHRMANN CARL W ; GOTSCHALL PATRICK O ; INT TRUCK INTELLECTUAL PR ; INT TRUCK INTELLECTUAL PROP CO ; LAWRENCE CHAD A

Assignee(s): INTIONAL TRUCK INTELLECTUAL PROPERTY CO ; INT TRUCK INTELLECTUAL PROPERTY CO ; INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY ; INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY LLC

Inventor(s):(std)**:** FUHRMAN CARL W ; FUHRMANN CARL W ; GOTSCHALL PATRICK O ; LAWRENCE CHAD A

International class (IPC 8–9)**:** B62D25/16 B62D27/06 (Advanced/Invention); B62D25/16 B62D27/00 (Core/Invention)

International class (IPC 1–7)**:** B62B9/14 B62D25/20 B62D27/06

CPC: B62D25/163 B62D27/06

European class: B62D25/16C B62D27/06

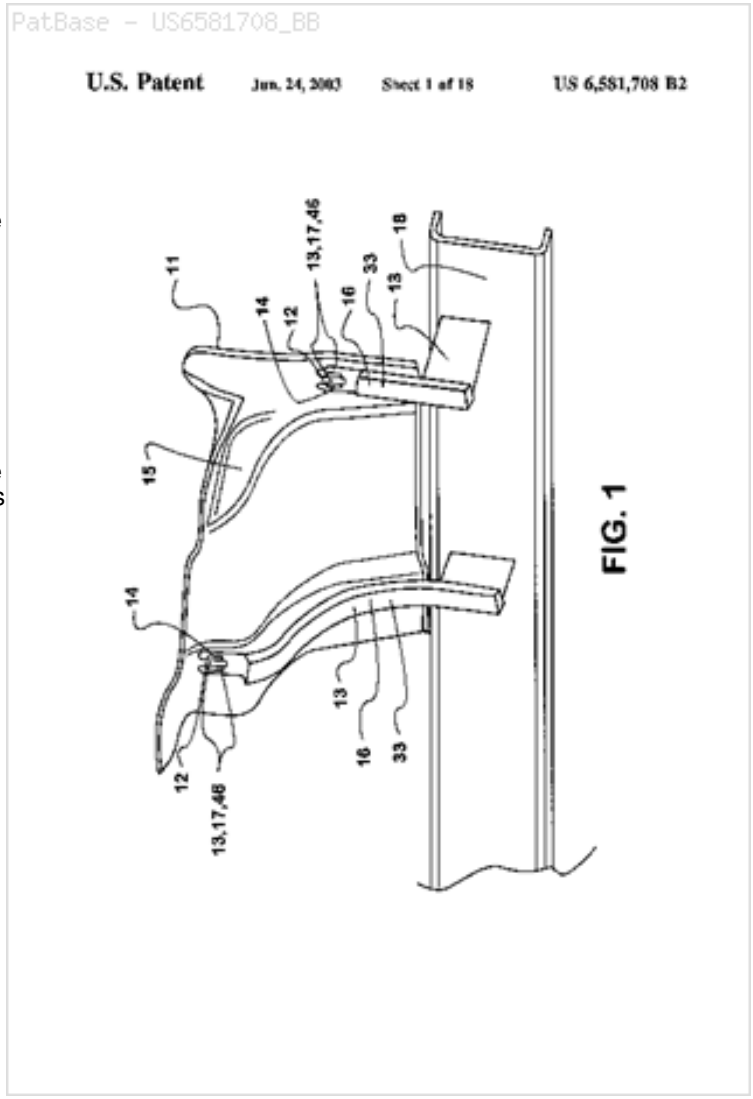
US class: 180/69.1 180/691 280/154 280/851 296/198

Classification Explorer

Cited documents: US6334645 BA, US5787550 A, US5139285 A, US5108129 A, US4724585 A, US4121684 A, US2769503 A, US2761523 A, US2611628 A, US2582839 A, US1396351 A,

Forward Citations: WO12153168, US8678460, US8203076, US7578546, US2012292123, US2010270051, US2008231079, US2004256832, FR2856027, CN102795267, CN102795267,

Abstract:
Source: US2003066698A An engine compartment splash panel for a vehicle is disposed generally between the engine of the vehicle and a nearby wheel to prevent water and debris from being flung from the nearby wheel onto the engine. The engine compartment splash panel and the panel–support components that mount it to the vehicle are constructed in such a manner that the engine compartment splash panel can be quickly and easily mounted to and removed from the vehicle to provide for expedient execution of service procedures. The engine compartment splash panel has a substantially rigid portion that defines and/or has mounted to it a number of locating features that have fixed positions relative to one another. The panel–support components define and/or have mounted to them a plurality of locating features that have fixed positions relative to one another and that are complimentary to the locating features of the engine compartment splash panel. When mounting the engine compartment splash panel, an individual can manipulate the engine compartment splash panel to simultaneously align a plurality of the locating features of the engine compartment splash panel to their complimentary locating features of the panel–support components.



0) US2015274213A – FENDER FOR A WHEELED VEHICLE

11) Family number: 56090106 (US2015274213A) © PatBase

Title: FENDER FOR A WHEELED VEHICLE

Priority: EP20130838931 20130918 US20120702900P 20120919 WO2013US60266 20130918 US20130429614 20130918

Family:

Publication number	Publication date	Application number	Application date
CN104736423 A	20150624	CN201380051085	20130918
DE602013014569 D1	20170112	DE201360014569T	20130918
EP2897852 A1	20150729	EP20130838931	20130918
EP2897852 A4	20151111	EP20130838931	20130918
EP2897852 B1	20161123	EP20130838931	20130918
US2015274213 AA	20151001	US20130429614	20130918
WO14047093 A1	20140327	WO2013US60266	20130918

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBADIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PROD ; BRP US INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER RECREATIONAL PRODUCTS INC VALCOURT

Inventor(s):(std)**:** CARBONEAU SIMON ; DELUY NICOLAS ; LAROCHE DAVID ; RUDWAL CHRISTOPHER

Inventor(s): RUDWAL CHRISTOPHER OUTREMONT ; LAROCHE DAVID SHERBROOKE ; DELUY NICOLAS SHERBROOKE ; CARBONEAU SIMON MAGOG

Agent(s): BOYCE CONOR; CUTLER JONATHAN DAVID

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 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): B62D25/16 B62D25/18 (Advanced/Invention)

CPC: B62D25/18 B62D25/163 B62J15/02

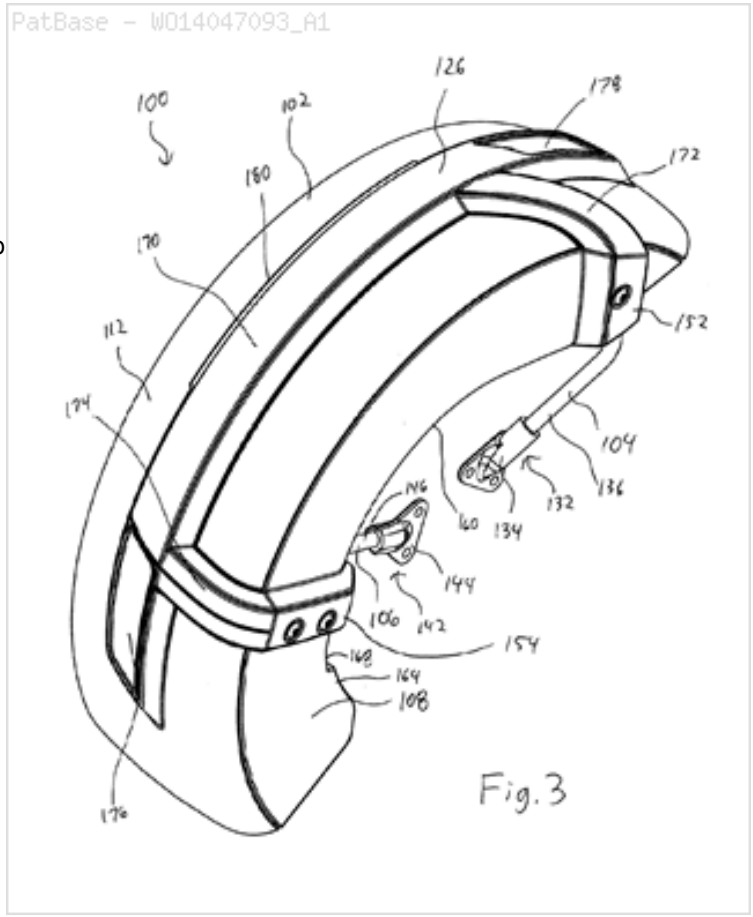
US class: 280/154 296/198

Classification Explorer

Cited documents: US6431605 BA, US5775454 A, US5323869 A, US2008023242 AA, US2007267237 AA, US2005001454 AA, US2002096859 AA, GB310781 A, DE3214901 A1,

Forward Citations: US9434436,

Abstract:
Source: US2015274213A A fender for a wheeled vehicle has an arcuate fender body and a brace. The fender body has an inner surface and an outer surface. The inner surface is adapted to face a wheel of the vehicle. The brace has a first end and a second end. The first end is disposed on and connected to the outer surface of the fender body. The second end is adapted to connect to the vehicle. The second end is spaced from the fender body and is disposed radially inward of the first end. A wheeled vehicle having the fender disposed on a wheel thereof is also described.



0) US4573546A – THREE–WHEELED MOTOR VEHICLE

12) Family number: 30152448 (US4573546A) © PatBase

Title: Three–wheeled motor vehicle

Priority: CA19840453151 19840430 JP19830063056 19830428 JP19830063056U 19830428 JP19830063057U 19830428 JP19830063060 19830428 JP19830063057 19830428 JP19830074743 19830428 JP19830063060U 19830428 JP19830073742 19830428 JP19830073743 19830428 JP19830073744 19830428 JP19830073741 19830428

Family:

Publication number	Publication date	Application number	Application date
AU198427449 A1	19841101	AU19840027449	19840427
AU561293 B2	19870507	AU19840027449	19840427
CA1210704 A1	19860902	CA19840453151	19840430
DE3474797 D1	19881201	DE19843474797	19840427
EP0124372 A2	19841107	EP19840302871	19840427
EP0124372 A3	19841219	EP19840302871	19840427
EP0124372 B1	19881026	EP19840302871	19840427
JP1672951 C3	19920612	JP19830073743	19830428
JP1771239 Y	19891027	JP19830063056U	19830428
JP3033554 B4	19910517	JP19830073743	19830428
JP59169205 U1	19841113	JP19830063056U	19830428
JP59169241 U1	19841113	JP19830063060U	19830428
JP59169259 U1	19841113	JP19830063057U	19830428
JP59199325 A2	19841112	JP19830073744	19830428
JP59199374 A2	19841112	JP19830073741	19830428
JP59199375 A2	19841112	JP19830073742	19830428
JP59199376 A2	19841112	JP19830073743	19830428
JP63034962 Y2	19880916	JP19830063056U	19830428
US4573546 A	19860304	US19840605403	19840430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE ; AIKAWA KUNIHIKO ; HONDA GIKEN KOGYO A CORP OF JAPAN KK ; HONDA GIKEN KOGYO ALSO TRADING HONDA MOTOR CO LTD AS KK ; HONDA GIKEN KOGYO K K ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** AIKAWA KUNIHIKO ; IRIKO SHOICHIRO ; IRIKOU SHIYOUICHIROU ; IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE

Inventor(s): KUNIHIKO AIKAWA ; SHOICHIRO IRIMAJIRI ; KATSUSUKE KOMURO

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

Designated states: DE FR GB IT

International class (IPC 8–9)**:** B60G3/28 B60K15/063 B60Q1/30 B60Q1/32 B62D1/16 B62D23/00 B62D25/00 B62D25/08 B62D25/16 B62D31/00 B62D35/00 B62D61/06 B62D61/08 B62K25/20 B62K5/04 F24D17/00 (Advanced/Invention); B60G3/18 B60K15/03 B62D23/00 B62D25/00 B62D25/16 B62D31/00 B62D35/00 B62D61/00 B62K25/04 B62K5/00 F24D17/00 (Core/Invention)

International class (IPC 1–7)**:** B60G3/28 B60K15/02 B60Q1/30 B60Q1/32 B62D1/16 B62D21/00 B62D23/00 B62D25/00 B62D25/16 B62D31/00 B62D35/00 B62D61/06 B62K25/20

CPC: B62D61/065 B62D31/003

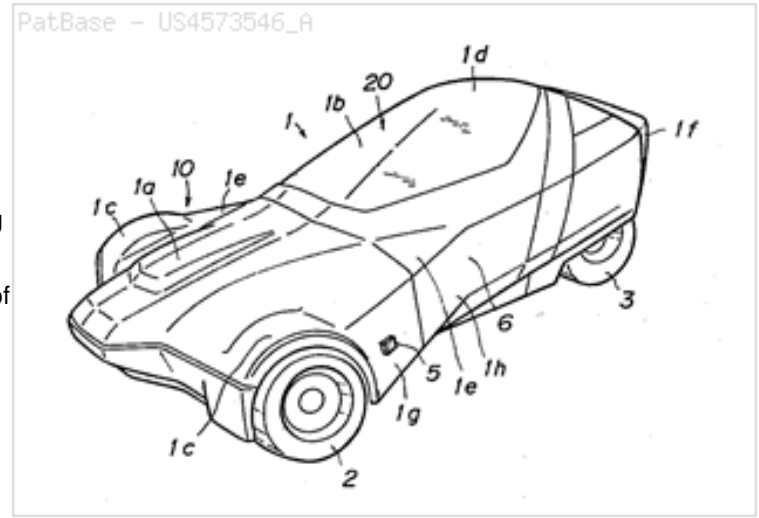
US class: 180/211 180/89.1 280/62 280/834 296/146.11 296/151 296/181.5 D12/085 D12/090 D12/85 D12/90

Classification Explorer

Cited documents: US3672718 A, US2888296 A, US2785921 A, US2761523 A, US2725944 A, US2699355 A, US2054951 A, JP55020886 U1, JP53140235 B4, JP52001250 U1, GB2111442 A1, FR885010 A, FR1089028 A, DE915186 A, DE825353 A, AU200516 A1,

Forward Citations: WO9100209, WO9003298, WO06101537, USD777060, USD774945, USD723978, USD689794, USD591645, USD575675, USD424979, USD422940, US9604683, US9227507, US9004214, US8695746, US8544587, US8317257, US8313121, US8061465, US7588110, US6883629, US6655729, US6464030, US6260913, US6149226, US5960901, US5954389, US5806622, US5538309, US4944360, US4919225, US4662468, US2010078254, US2010078245, US2009277708, US2007045020, US2005116503, US2003062742, US2003057006, FR2921625, FR2569647, EP0217522, EP0217522, DE19804104, CH679027,

Abstract:
Source: US4573546A A three−wheeled motor vehicle has a vehicle body on which two front wheels and a single rear wheel are rotatably mounted. The vehicle body includes a front portion covering the two front wheels and having a wide and flat shape, and a rear portion having a driver's compartment and covering the rear wheel, the rear portion being narrower than the front portion and progressively higher in a rearward direction of the vehicle body. The front and rear portions of the vehicle body include slanted continuous side surfaces tapered toward a longitudinal axis of the vehicle body in the rearward direction thereof.



0) US2004135397A – BODY COVER FOR VEHICLE WITH SADDLE SEAT

13) Family number: 30586419 (US2004135397A) © PatBase

Title: BODY COVER FOR VEHICLE WITH SADDLE SEAT

Priority: CA20032442995 20030926 US20020414356P 20020930 US20030669607 20030925

Family:

Publication number	Publication date	Application number	Application date
BRPI0304264 A	20050503	BR2003PI04264	20030926
BRPI0304264 B1	20140107	BR2003PI04264	20030926
CA2442995 AA	20040330	CA20032442995	20030926
CA2442995 C	20070814	CA20032442995	20030926
JP2004123092 A2	20040422	JP20030335780	20030926
JP4434676 B2	20100317	JP20030335780	20030926
MY136522 A	20081031	MY20030003707	20030929
US2004135397 AA	20040715	US20030669607	20030925
US7097207 BB	20060829	US20030669607	20030925

Probable Assignee: HONDA GIKEN KOGYO KK

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

Assignee(s): KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; SCHROEDER TONY ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; SCHROEDER TONY ; TONY SCHRODER ; KUDOU KAZUHIRO

Inventor(s): KAZUHIRO KUDOU ; TONY SCHROEDER ; TETSUYA NAKAZAWA

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

International class(IPC 8–9)**:** B62D25/08 B62D25/18 B62J1/20 B62J15/00 B62J17/00 B62J19/00 B62J23/00 B62K19/48 B62K5/00 (Advanced/Invention)

International class(IPC 1–7)**:** B62D25/08 B62J1/20 B62J15/00 B62J17/00 B62J19/00 B62J23/00 B62K5/00

CPC: B62J15/00 B62K19/48

European class: B62J15/00 B62K19/48

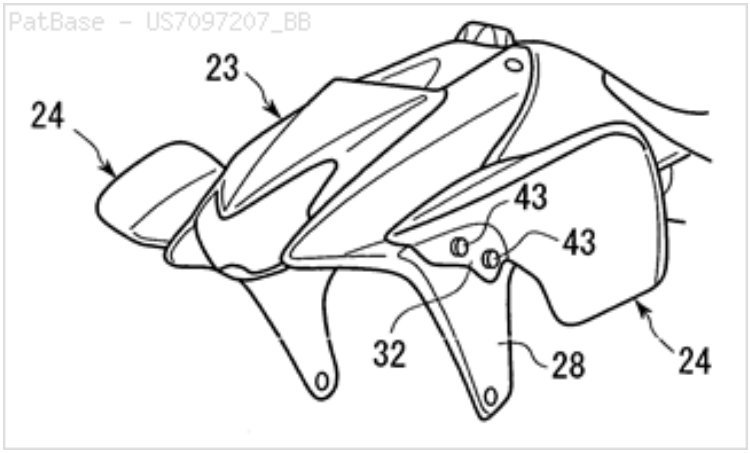
US class: 280/848 296/181.1 296/181.100P 296/198

Classification Explorer

Cited documents: US6755155 BB, US6755155 BA, US6705680 BB, US6705680 BA, US6336677 BB, US6336677 BA, US6205642 BA, US5613710 A, US5108129 A, US4878555 A, US4787470 A, US4781258 A, US4667758 A, US4535869 A, US3879059 A, US2059305 A, US2002038737 AA, JP62181485 U, JP62108187 U, JP62018379 A2,

Forward Citations: USD629724, USD593005, USD593004, USD583713, USD581319, USD562189, US9481402, US8042869, US7597387, US7591503, US7543673, US7537271, US7537077, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2004256886, EP1878645,

Abstract:
Source: US2004135397A A body cover, for a vehicle with a saddle seat, includes a cover main body disposed at a central part in a lateral direction of the vehicle, and fenders which are provided for covering wheels of the vehicle disposed at lateral sides, and which are attached to the cover main body. The fenders are attached to the cover main body in a state in which abutting surfaces of the fenders abut against side wall surfaces of the cover main body, respectively.



0) WO14094888A1 – HUMAN POWERED LAND VEHICLE VEHICULE TERRESTRE ...

14) Family number: 56775602 (WO14094888A1) © PatBase

Title: HUMAN POWERED LAND VEHICLE

Priority: EP20120813862 20121221 WO2012EP76733 20121221

Family:

Publication number	Publication date	Application number	Application date
DE602012015786 D1	20160428	DE201260015786T	20121221
EP2934993 A1	20151028	EP20120813862	20121221
EP2934993 B1	20160316	EP20120813862	20121221
WO14094888 A1	20140626	WO2012EP76733	20121221

Probable Assignee: OCAS N V

Assignee(s):(std)**:** OCAS N V ; RECTICEL NV

Assignee(s): OCAS NV

Inventor(s):(std)**:** BRACKE KRIS ; DE WINTER HUGO ; VERMEULEN MICHEL

Agent(s): HAVERKAMP JENS

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 PA 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): B62K3/00 B62K3/10 B62K5/05 B62K5/06 B62K5/08 B62M6/40 (Advanced/Invention)

CPC: B62K3/005 B62K3/10 B62K5/05 B62K5/06 B62K5/08 B62M6/70

Classification Explorer

Cited documents: US5069469 A, DE29515188 U1, DE19841780 A1,

Abstract:
A vehicle (1) has two steered front wheels (3, 3.1) and one rear wheel (2) driven by a drive train. The drive train incorporates a human powered actuator (13) for the propulsion of the vehicle (1) by a person driving the vehicle (1) and coupled to a driven wheel (2). The vehicle (1) further disposes of a non–human powered actuator (16) arranged to drive at least one of the wheels of the vehicle (1). The vehicle (1) has a longitudinal beam (9) and a cross–beam (10), the rear wheel (2) being connected to the longitudinal beam (9) and the front wheels (3, 3.1) being supported by the cross–beam (10). The longitudinal beam (9) has a U–shaped form in cross–section with a longitudinal opening (30) facing groundwards. The drive train is housed (13) within the longitudinal beam (9). The axis of the pedal drive (13) is arranged with distance to the top (27) of the longitudinal beam (9).

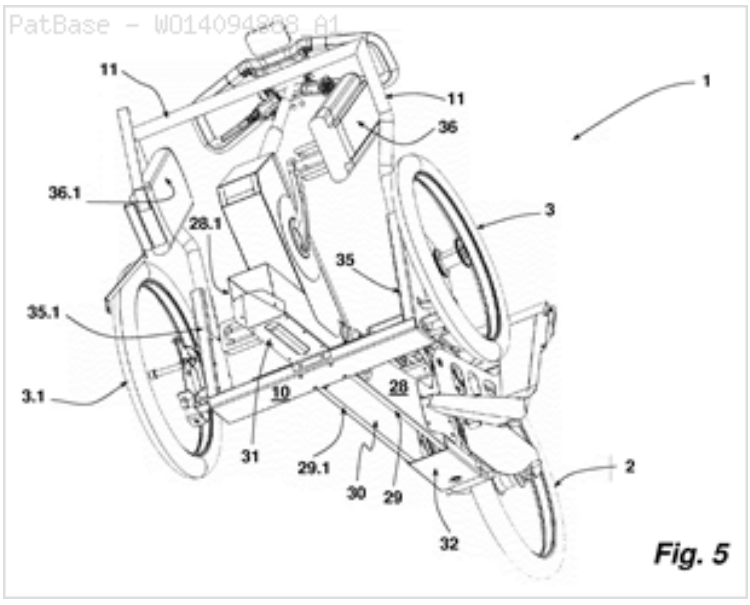


Fig. 5

0) WO07046265A1 – SMALL–SIZED VEHICLE PETIT VEHICULE

15) Family number: 34404244 (WO07046265A1) © PatBase

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

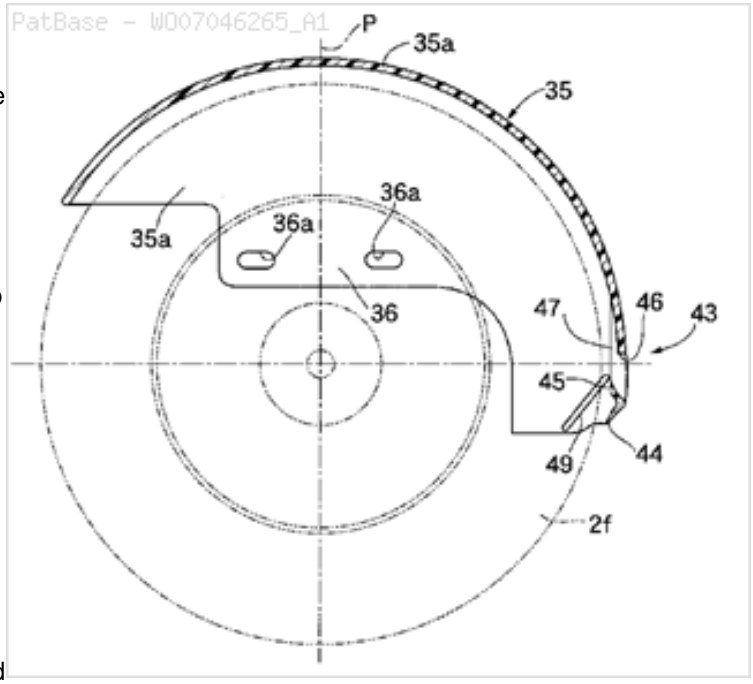
European class: B60G7/00 B60G9/00 B62D25/18B B62J15/00 B62K5/007 L60G200/142 L60G200/314 L60G200/422 L60G200/440 L60G204/143 L60G204/1482 L60G206/124 L60G300/13 L60G300/24 L60G300/26 L60G300/50

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.



0) WO07046266A1 – SMALL–SIZED VEHICLE VEHICULE DE PETITES DIMENS...

16) Family number: 34404243 (WO07046266A1) © PatBase

Title: SMALL–SIZED VEHICLE

Priority: JP20050307846 20051021 WO2006JP20192 20061010 WO2006JP320192 20061010

Family:

Publication number	Publication date	Application number	Application date
CN101291843 A	20081022	CN200680039239	20061010
CN101291843 B	20100714	CN200680039239	20061010
DE602006011498 D1	20100211	DE200660011498T	20061010
EP1947001 A1	20080723	EP20060811505	20061010
EP1947001 A4	20081015	EP20060811505	20061010
EP1947001 B1	20091230	EP20060811505	20061010
ES2336487 T3	20100413	ES20060811505T	20061010
JP2007111380 A2	20070510	JP20050307846	20051021
JP4657079 B2	20110323	JP20050307846	20051021
WO07046266 A1	20070426	WO2006JP320192	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 MOTOR CO

Inventor(s):(std)**:** KATSUHISA ICHIKAWA ; KAZUHIRO MINATO ; MASATOSHI NAGAOKA ; SHUHEI MARUYAMA ; NAGAOKA MASATOSHI ; MINATO KAZUHIRO ; MARUYAMA SHUHEI ; ICHIKAWA KATSUHISA

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 B62J15/00 B62J39/00 B62J99/00 B62K5/00 (Advanced/Invention); B62J15/00 (Advanced/Non–invention); A61G5/00 B62J99/00 (Core/Invention)

CPC: B62K5/007

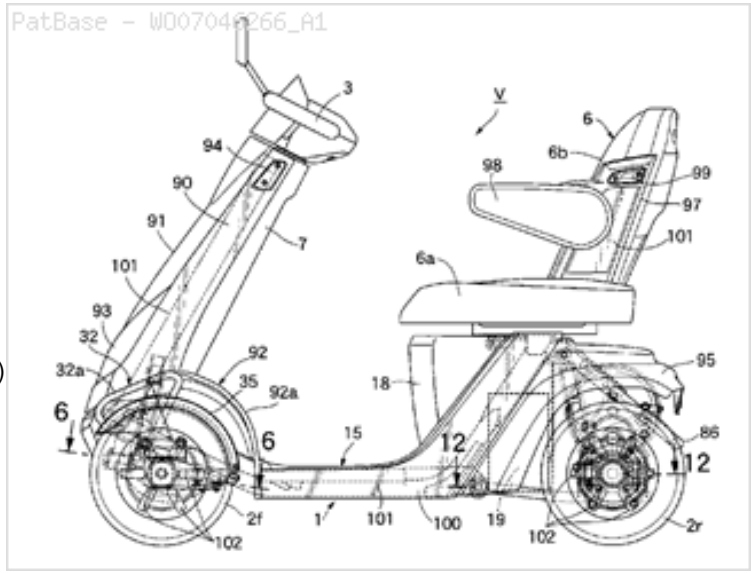
European class: B62K5/007

Classification Explorer

Cited documents: US5732788 A, JPS60158986 U, JP9315343 A2, JP63002384 Y2, JP60158986 U1, JP60158986 u1, JP60158986 U, JP6008866 A2, JP3284479 A2, JP2006151026 A2, JP2003252268 A2, JP2003245311 A2, JP2000238678 A2, JP2000237247 A2, JP10258090 A2, GB2385838 A1, DE4232423 A1,

Forward Citations: EP2243451,

Abstract:
A small–sized vehicle having a vehicle body frame (1); a left and right pair of front wheels (2f, 2f) suspended at the front of the vehicle body frame such that they can turn; a handle column attached to the vehicle body frame (1), between the front wheels (2f, 2f); a steering handle (3) steerably supported by the handle column; a driver seat (6) supported behind the handle column (28) by the vehicle body frame (1); and a front cover (91) supported by the vehicle body frame (1), covering the front face of the handle column (28). A guard member (32) having a grip used to lift up the vehicle body is positioned between the front cover (91) and each front wheel (2f), where the grip is located above each front wheel (2f) and supported by the vehicle body frame (1). The construction reduces a load on a assisting person in lifting the front part of the vehicle body.



17) Family number: 29427280 (US4630702A) © PatBase

Title: THREE–WHEELED MOTOR VEHICLE GEAR SHIFT MECHANISM

Priority: CA19840453149 19840430 EP19840302873 19840427 EP19840302873P 19840427 JP19830063059 19830428 JP19830073752 19830428 JP19830063059U 19830428 JP19830073754 19830428

Family:

Publication number	Publication date	Application number	Application date
CA1212631 A1	19861014	CA19840453149	19840430
DE3472241 D1	19880728	DE19843472241	19840427
EP0153508 A1	19850904	EP19840201123	19840427
EP0153508 B1	19880622	EP19840201123	19840427
JP59169226 U1	19841113	JP19830063059U	19830428
JP59202947 A2	19841116	JP19830073752	19830428
US4630702 A	19861223	US19840605404	19840430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE ; AIKAWA KUNIHIKO ; HONDA GIKEN KOGYO A CORP OF JAPAN KK ; HONDA GIKEN KOGYO ALSO TRADING HONDA MOTOR CO LTD AS KK ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** AIKAWA KUNIHIKO ; IRIKOU SHIYOUICHIROU ; IRIMAJIRI SHOICHIRO ; KOMURO KATSUSUKE

Agent(s): JOHNSON DOUGLAS S QC

Designated states: DE FR GB IT

International class (IPC 8–9)**:** B60K20/02 B60K20/04 B60Q1/00 B60Q1/04 B62D25/16 B62D25/20 B62D61/06 B62D61/08 B62K5/04 (Advanced/Invention); B60K20/02 B60K20/04 B60Q1/00 B60Q1/04 B62D25/16 B62D25/20 B62D61/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60K17/00 B60K20/12 B60Q1/04 B62D25/00 B62D25/16 B62D25/20 B62D61/06

CPC: B60Q1/0035 Y10T74/20018 B60K20/04 B62D61/065

European class: B60Q1/04

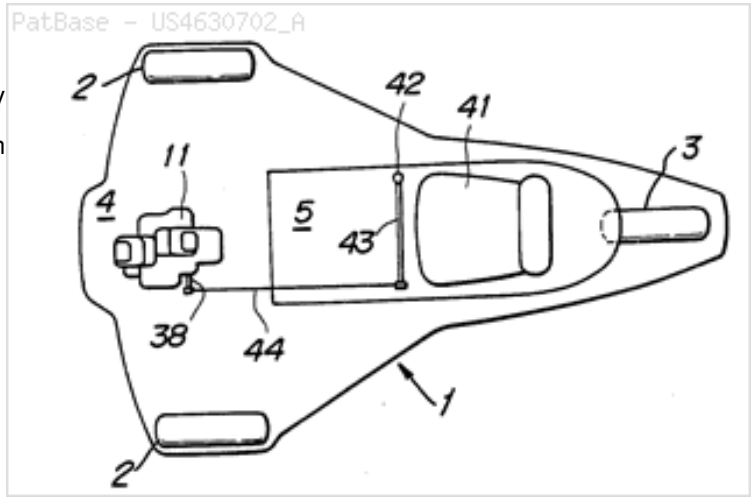
US class: 180/215 180/336 74/473.1 74/473R

Classification Explorer

Cited documents: US4438657 A, US3924706 A, US3450223 A, US2101057 A, US1635483 A, JP52075323 B4, GB421799 A, GB2093417 A1, FR2345306 A1, DE7737193 U,

Forward Citations: USD689794, USD485788, US9604683, US9004214, US8768570, US8695746, US8544587, US6948581, US6085609, US2004129483, US2004129473, US2004050605, US2004035626, US2004035625, US2004035623, US2004032120, US2003221891, US2003221890,

Abstract:
Source: US4630702A A three−wheeled motor vehicle having a vehicle body and an engine mounted on the vehicle body. A pair of laterally spaced wheels is disposed on the front of the vehicle body and a single wheel is disposed on the rear. The speed change transmission has a shift spindle on the same side as the vehicle door and a shift control mechanism includes a shift lever in the driver's compartment on the other side of the vehicle with a laterally extending rod mounted on the floor to transmit the shift selection motion to an operating wire and then to the transmission.



0) WO07046264A1 – SMALL–SIZED VEHICLE PETIT VEHICULE

18) Family number: 34404246 (WO07046264A1) © PatBase

Title: SMALL–SIZED VEHICLE

Priority: EP20060811503 20061010 JP20050307843 20051021 WO2006JP20190 20061010 WO2006JP320190 20061010

Family:

Publication number	Publication date	Application number	Application date
CN101291842 A	20081022	CN200680039109	20061010
CN101291842 B	20121017	CN200680039109	20061010
DE602006026435 D1	20120209	DE200660026435T	20061010
EP1947000 A1	20080723	EP20060811503	20061010
EP1947000 A4	20081015	EP20060811503	20061010
EP1947000 B1	20111214	EP20060811503	20061010
ES2378689 T3	20120417	ES20060811503T	20061010
JP2007111377 A2	20070510	JP20050307843	20051021
JP4657077 B2	20110323	JP20050307843	20051021
WO07046264 A1	20070426	WO2006JP320190	20061010

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; HOSAKA JUN ; MARUYAMA SHUHEI ; MINATO KAZUHIRO ; ICHIKAWA KATSUHISA

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

Inventor(s):(std)**:** HOSAKA JUN ; ICHIKAWA KATSUHISA ; KATSUHISA ICHIKAWA ; KAZUHIRO MINATO ; MARUYAMA SHUHEI ; MINATO KAZUHIRO ; SHUHEI MARUYAMA

Agent(s): PIESOLD ALEXANDER JAMES ET AL; 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 B62D25/18 B62J15/00 B62J17/06 B62J25/00 B62K5/00 (Advanced/Invention); B62J15/00 B62J17/06 (Advanced/Non–invention); A61G5/00 (Core/Invention)

CPC: B62K5/007 B62D25/161 B62D25/163 B62D25/186

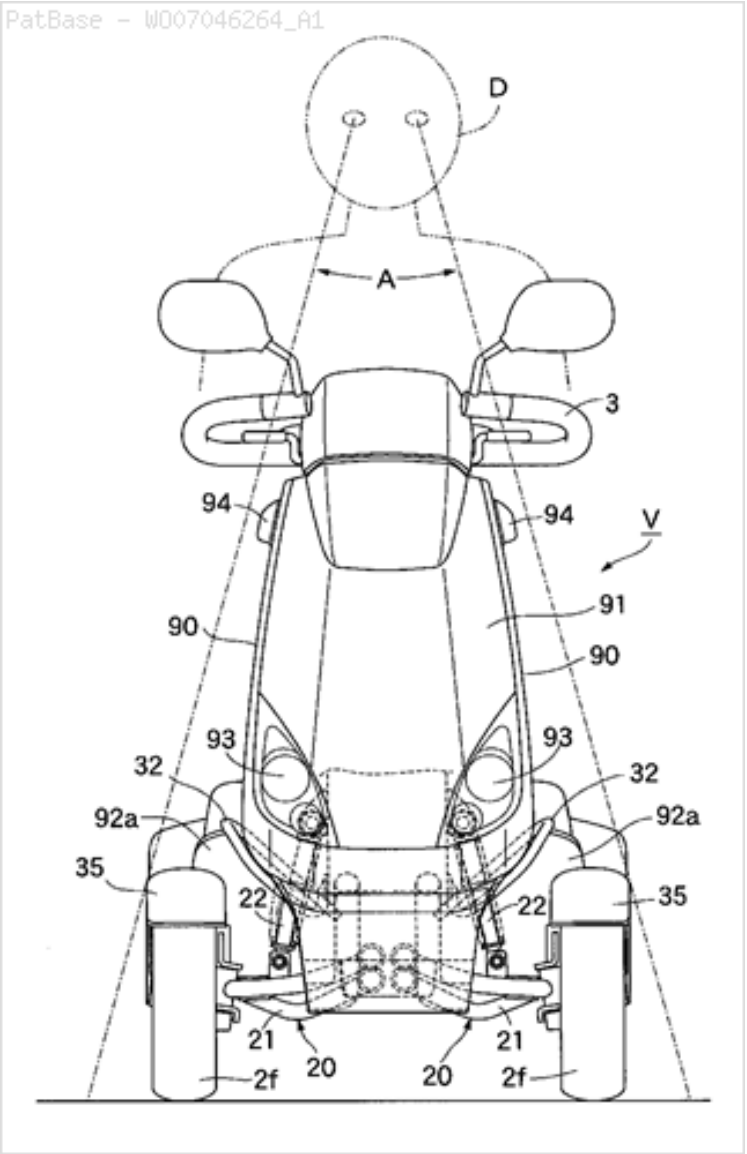
European class: B62D25/16B B62D25/16C B62D25/18B4 B62K5/007

Classification Explorer

Cited documents: WO03070548 A1, US4442477 A, US2004035623 AA, US2003221891 AA, US1613443 A, JP9315343, JP6008866 A2, JP2002211464 A2, JP2001346834 A2, JP2001286005 A2, JP2000238678 A2, JP11059503 A2, JP10258090 A2,

Forward Citations: CN104487322, CN104129437, CN104129437,

Abstract:
A small−sized vehicle, comprising a pair of turnable right and left front wheels (2f, 2f), a handle column disposed between the both front wheels (2f, 2f) in a standing state and supporting a steering handle (3), a steering mechanism disposed between the both front wheels (2f, 2f) to interlock the steering handle (3) with the both front wheels (2f, 2f), a foot−resting part for a driver disposed at the rear of the handle column, and a seat for the driver disposed at the rear of the foot−resting part. A movable fender (35) covering the upper part of each of the front wheels (2f) and turned together with each of the front wheels (2f) is so disposed that at least a part of the fender comes into the view (A) of the driver (D) seated on the seat (6). As a result, the small−sized vehicle does not provide an intimidating feeling to pedestrians while it travels on a sidewalk and the driver can always accurately recognize the state of the front wheels during the traveling.



0) US6547027B – ALL TERRAIN VEHICLE

19) Family number: 28467923 (US6547027B) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20000574234 20000519

Family:

Publication number	Publication date	Application number	Application date
US6547027 BA	20030415	US20000574234	20000519

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC

Inventor(s):(std)**:** KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

International class (IPC 8–9)**:** B62J1/12 B62K5/00 (Advanced/Invention); B62K5/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B62D21/00

CPC: B62K5/01 B62J1/12 B62K2005/001

European class: B62J1/12 B62K5/01 L62K5/00B

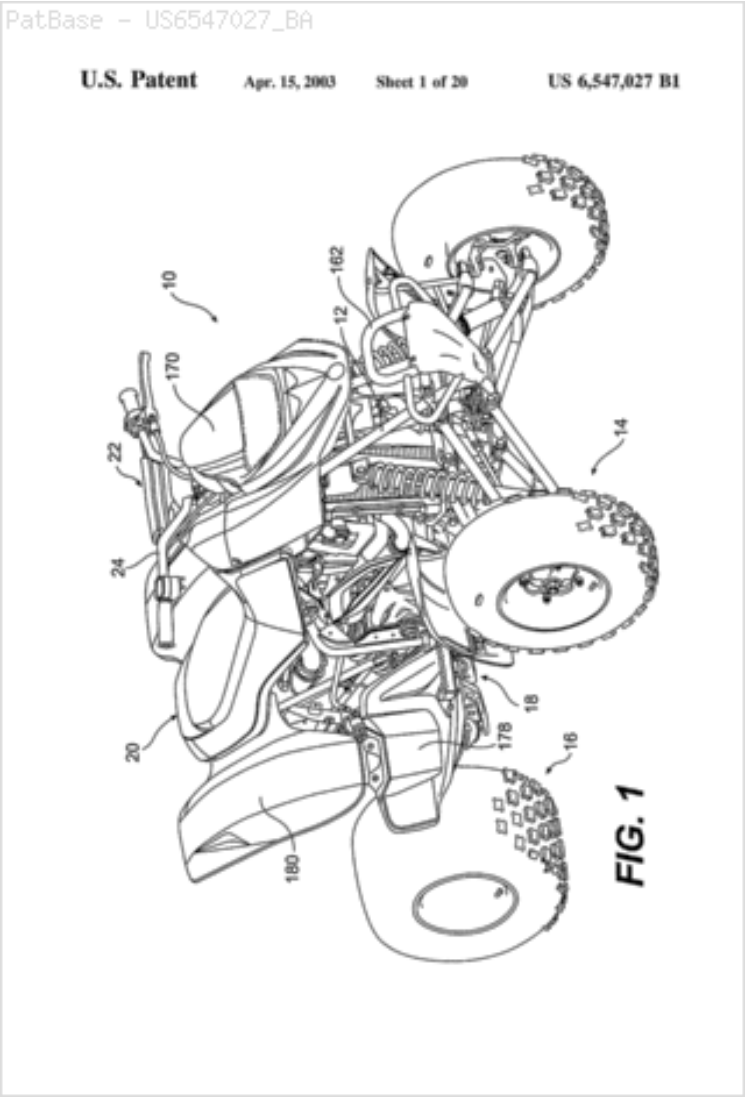
US class: 180/210 180/215 180/312 280/156 280/157 297/195.1

Classification Explorer

Cited documents: US6109621 A, US5353734 A, US5074573 A, US4836324 A, US4744432 A, US4457524 A, US4413700 A, US4325562 A, US1910635 A, JP60124581 A2,

Forward Citations: WO09008779, WO08143836, WO08143836, USD592116, US9266580, US9050869, US9045191, US9004214, US8973696, US8783720, US8622428, US8596398, US8430444, US8191930, US8191929, US8191677, US8091657, US8075007, US7954853, US7950736, US7942447, US7845452, US7806217, US7802816, US7757799, US7708105, US7669678, US7658411, US7644791, US7641207, US7624835, US7624829, US7618063, US7604562, US7591337, US7571787, US7537499, US7530419, US7461851, US7448664, US7367573, US7306069, US7231996, US7228930, US7168998, US7086691, US7055642, US7055642, US6964314, US6702058, US2013015634, US2012241237, US2012186895, US2011198831, US2011198830, US2011012334, US2010194088, US2010108428, US2009294199, US2009255747, US2009200766, US2009071738, US2008284124, US2008283327, US2008283326, US2008236923, US2008203795, US2008115991, US2007257516, US2007257479, US2007176384, US2007169975, US2007075517, US2007075514, US2007066438, US2006197331, US2006192375, US2006186699, US2006131827, US2006090950, US2006048987, US2005253353, US2005217912, US2005205315, US2005178603, US2005140178, US2004195035, US2004188156, US2004035624, US2003001377, EP1541465, EP1516809, CN102126522, CN102126521, AU2005205848,

Abstract:
Source: US6547027B An all terrain vehicle, also known as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US2002023792A – AIR INTAKE FOR A STRADDLE–TYPE ALL TERRAIN VEHI...

20) Family number: 20049168 (US2002023792A) © PatBase

Title: AIR INTAKE FOR A STRADDLE–TYPE ALL TERRAIN VEHICLE

Priority: US20000229027P 20000831 US20010942673 20010831

Family:

Publication number	Publication date	Application number	Application date
US2002023792 AA	20020228	US20010942673	20010831
US6892842 BB	20050517	US20010942673	20010831

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BANK OF MONTREAL

Inventor(s):(std)**:** BOUFFARD ERIC ; CARON GHISLAIN ; FORTIER MARIO

Agent(s): BRP LEGAL SERVICES

International class(IPC 8–9)**:** B60K11/04 B60K11/08 B60K13/02 B62K5/00 F02M35/16 (Advanced/Invention); B60K11/00 B60K11/02 B60K13/00 B62K5/00 F02M35/00 (Core/Invention)

International class(IPC 1–7)**:** B60K11/04 B60K13/02

CPC: Y02T10/146 F02M35/10013 B60K11/04 B60K11/08 B60K13/02 B60Y2200/124 B62K5/01 F02M35/10262 F02M35/162

European class: B60K11/04 B60K11/08 B60K13/02 B62K5/01 F02M35/10A2 F02M35/10K6 F02M35/16C L60Y200/124

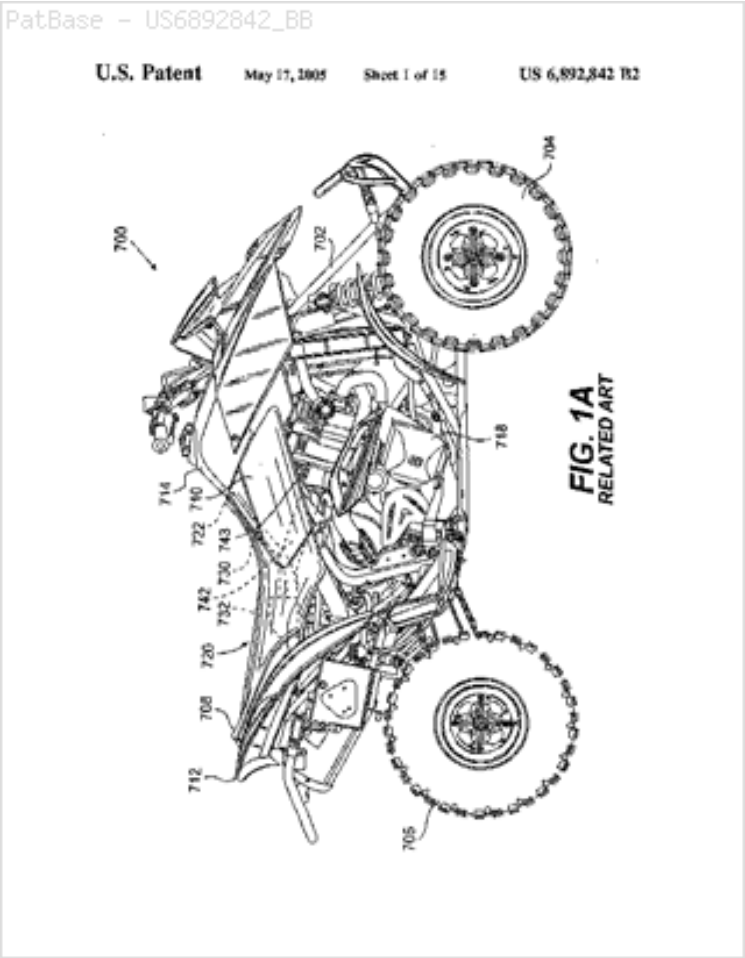
US class: 180/291 180/291S 180/68.3 180/68.4 180/68.400P

Classification Explorer

Cited documents: US6626260 BB, US6523634 BA, US6490907 BB, US6243928 BA, US6206446 BA, US6170597 BA, US6170597 B1, US5947219 A, US5327989 A, US5086858 A, US4577720 A, US4475616 A, US4357893 A, US3796277 A, US3700259 A, US2002088661 AA, JP62105719 A2, JP62006826 A2, JP61200029 A2, JP61171610 A2, JP61146633 A2, JP60153418 A2, JP59155545 A2, JP59048270 A2, JP58033522 A2, JP5147565 A2, JP431189, JP4031189 A2, JP3123482 A2, JP1301484 A2, JP1301484,

Forward Citations: WO10138867, USD592557, USD592556, US9446809, US9434244, US9365251, US9321494, US9283823, US9217501, US9211924, US9145038, US9096123, US8960347, US8827020, US8827019, US8746719, US8613336, US8613335, US8567847, US8453777, US8444161, US8434774, US8336656, US8205698, US8152880, US8127877, US7963832, US7744260, US7712562, US7674023, US7604382, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7431114, US7311170, US7140462, US6959934, US2016332676, US2014360800, US2014008136, US2010236852, US2010089355, US2010078239, US2009001781, US2009001762, US2009001745, US2009001704, US2008282654, US2008025812, US2008023991, US2008023990, US2008023989, US2007216524, US2007197157, US2007045029, US2006272873, US2006193143, US2006139939, US2006124379, US2005076871, US2004173394, US2003213628, RU2549226, JP2009544529, EP1849642, CN104827843,

Abstract:
Source: US2002023792A An all terrain or straddle type vehicle is provided with an air intake system having an air intake pipe with reduced length thereby avoiding unnecessary vibration which may adversely affect the fuel−to−air ratio of the engine, thereby improving engine performance. Also an inlet end of the air intake pipe is positioned so that the vehicle's capability for traversing water of a predetermined depth is improved. The height of the inlet end of the intake pipe is greater than the predetermined depth of the water to protect against water entering the air intake pipe due to encountering a water wave created in front of the vehicle that has a depth greater than the predetermined depth of the water. Additionally, openings in rear fenders of the vehicle channel intake air to both a radiator/fan assembly and the air intake system.



0) CA2308987A – ALL TERRAIN VEHICLE VEHICULE TOUT TERRAIN

21) Family number: 28071554 (CA2308987A) © PatBase

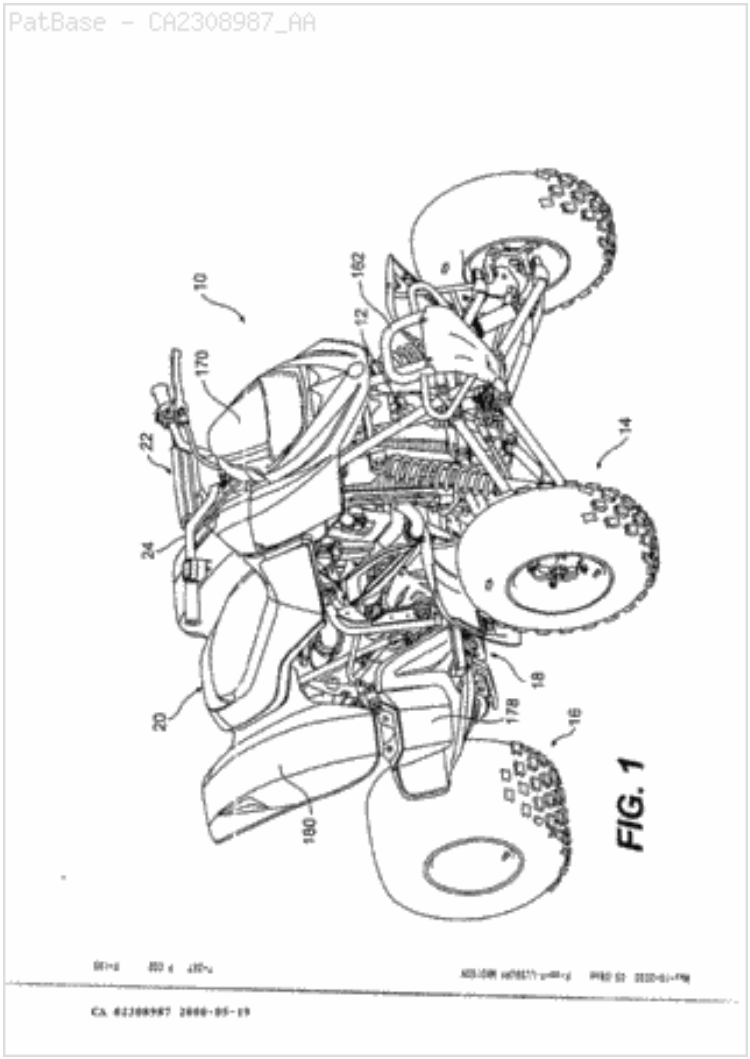
Title:	ALL TERRAIN VEHICLE
Priority:	CA20002308987 20000519

Family:

Publication number	Publication date	Application number	Application date
CA2308987 AA	20011119	CA20002308987	20000519

Probable Assignee:	BOMBARDIER INC
Assignee(s):(std)**:**	BOMBARDIER INC
Assignee(s):	BOMBARDIER RECREATIONAL PRODUCTS INC ; KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE
Inventor(s):(std)**:**	RONDEAU PIERRE ; PORTELANCE MARTIN ; KALHOK DAVID
International class (IPC 8–9)**:**	B60N2/24 B62D25/18 B62D63/02 B62J1/12 B62J15/00 B62K5/00 (Advanced/Invention); B60N2/24 B62J1/00 B62J15/00 B62K5/00 (Core/Invention)
International class (IPC 1–7)**:**	B60N2/24 B62D25/18 B62D63/02
CPC:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
European class:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
Classification Explorer	
Forward Citations:	US8007005, AU2008200563,

Abstract:
Source: CA2308987A An all terrain vehicle, also know. as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US3560041A – AUTOMOBILE ROAD VEHICLES

22) Family number: 471105 (US3560041A) © PatBase

Title: AUTOMOBILE ROAD VEHICLES

Priority: GB19670008022 19670220

Family:

Publication number	Publication date	Application number	Application date
DE1680055 A1	19710916	DE19681680055	19680220
GB1215803 A	19701216	GB19670008022	19670220
US3560041 A	19710202	US19680706335	19680219

Probable Assignee: KNOWHOW LTD

Assignee(s):(std)**:** DAVID B FOSTER ; FOSTER DAVID BLYTHE ; KNOWHOW LTD

Assignee(s): KNOWHOW LIMITED

Inventor(s):(std)**:** BLYTHE FOSTER DAVID ; FOSTER DAVID B

Inventor(s): DAVID B FOSTER

International class (IPC 8–9)**:** B60R19/02 B60R21/04 B62D39/00 (Advanced/Invention); B60R21/045 (Advanced/Non–invention); B60R19/02 B60R21/04 B62D39/00 (Core/Invention)

International class (IPC 1–7)**:** B60R21/04 B62D27/04 B62D31/00 B62D39/00

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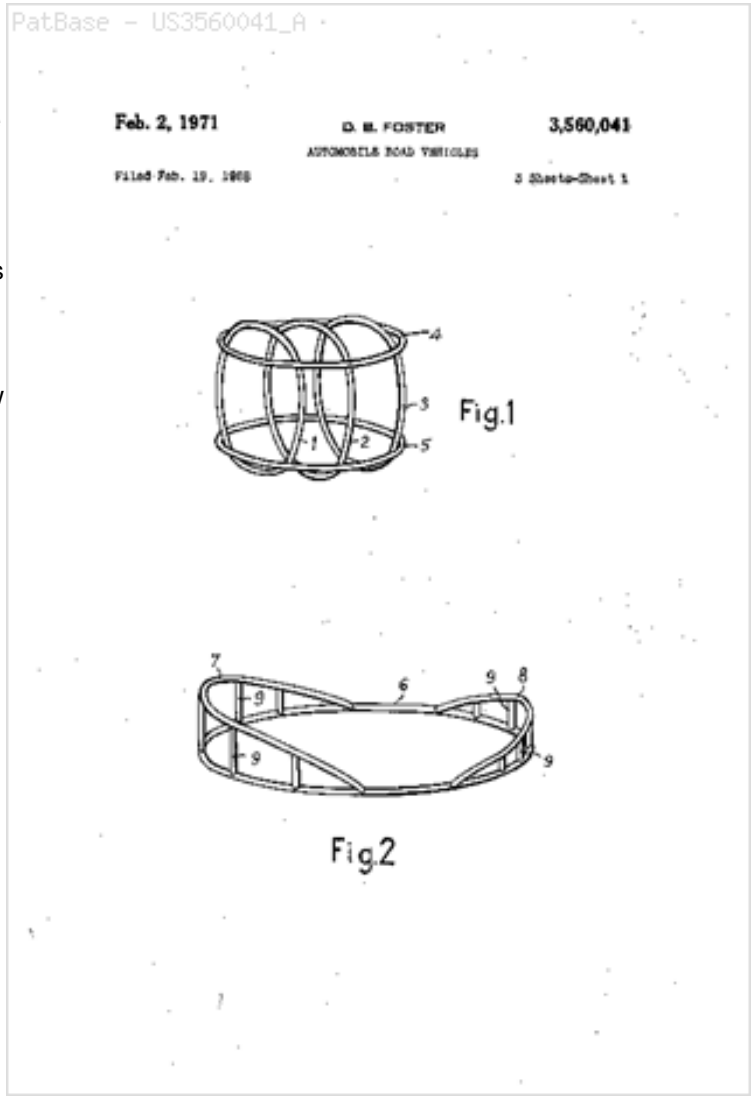
European class: B60R19/02 B60R21/04 B62D39/00 L60R21/045

US class: 280/752 293/102 293/127 293/30 296/1 296/35.2 296/63 296/64

Classification Explorer

Forward Citations: WO04089727, US6220654, US5813594, US5566874, US5454504, US5395036, US5092512, US4966391, US4838592, US4640527, US4568102, US4042057, US3926100, US3883155, US3881767, US3806152, US3797881, JP50048635,

Abstract:
Source: US3560041A ABSTRACT OF THE DISCLOSURE A vehicle comprising a mounting chassis, a driver/ passenger compartment formed as an assembly separate from said mounting chassis, and shock−absorbing means connected between said mounting chassis and said compartment whereby said compartment can move longitudinally with respect to said mounting chassis. The driver/ passenger compartment is provided with interior padding surrounding the occupants from head to feet with the padding being provided with openings therethrough at the locations of the glazed areas of the vehicle body, said padding also being shaped to follow the profile of the seated occupants and to prevent the occupants from coming into contact with the glazed areas in the event of



0) US4020914A – STABILIZED THREE–WHEELED VEHICLE

23) Family number: 1390830 (US4020914A) © PatBase

Title: STABILIZED THREE–WHEELED VEHICLE

Priority: US19760660729 19760223 US19770769946 19770218

Family:

Publication number	Publication date	Application number	Application date
CA1056313 A1	19790612	CA19770272359	19770222
DE2707562 A1	19770922	DE19772707562	19770222
DE2707562 C2	19880107	DE19772707562	19770222
IT1115833 A	19860210	IT19770048171	19770222
US4020914 A	19770503	US19760660729	19760223
US4088199 A	19780509	US19770769946	19770218

Probable Assignee: TRAUTWEIN WOLFGANG DR ING 7758 MEERSBURG DE

Assignee(s):(std)**:** TAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG DR ING

Assignee(s): TRAUTWEIN WOLFGANG DR ING 7758 MEERSBURG DE

Inventor(s):(std)**:** TAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG ; TRAUTWEIN WOLFGANG DR ING

International class (IPC 8–9)**:** B60G21/00 B62D37/00 B62D61/06 B62D61/08 B62K11/00 B62K13/04 (Advanced/Invention); B60G21/00 B62D37/00 B62D61/00 B62K13/00 (Core/Invention)

International class (IPC 1–7)**:** B60R B62D61/06 B62K13/08 B62K5/02 B62K5/04

CPC: B62K5/10 B62K11/00 B62K5/027 B62K5/05 B62K21/00 B62D61/065 B60G21/007 B60G2300/122 B62D37/00 B62K13/04

European class: L60G300/122

US class: 180/15 180/209 180/210 180/25R 180/271 180/41 280/124.103 280/267 280/269

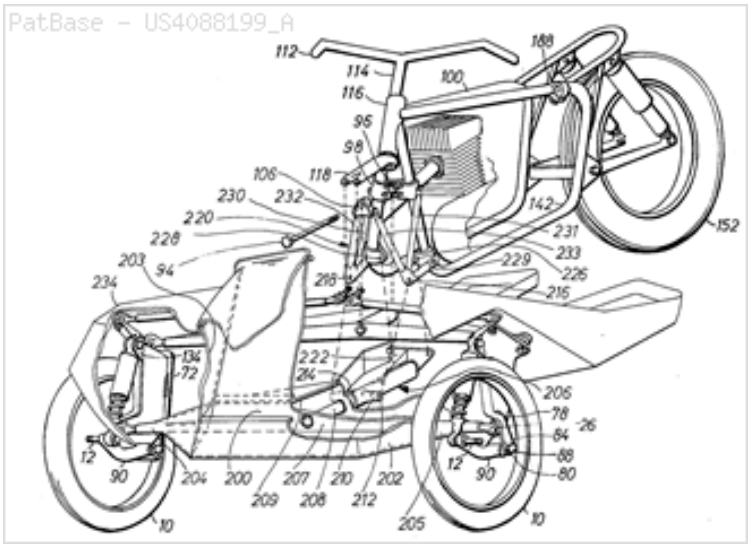
Classification Explorer

Cited documents: US4020914 A, US3964563 A, US3746118 A, US3610358 A, US3583507 A, US3572456 A, US3561778 A, US3447623 A, US2920636 A, IT599680 A, IT543232 A, IT528441 A, IT517430 A, FR544720 A, FR1158922 A, DE1063473 B, CH97196 A,

Forward Citations: WO8100088, WO17012869, WO16023689, WO06108997, WO05077683, WO04011324, WO03057549, WO0244008, WO0142077, USRE44854, USRE32031, USD689794, USD485788, USD449018, US9604683, US9545963, US9529365, US9477228, US9475535, US9459627, US9442492, US9442491, US9442486, US9429955, US9428236, US9411339, US9411336, US9400502, US9387902, US9268333, US9227662, US9188984, US9168966, US9126497, US9114844, US9004214, US8991542, US8973695, US8925940, US8882145, US8781684, US8777242, US8695746, US8544587, US8490723, US8467941, US8453768, US8419027, US8322477, US8262111, US8261685, US8177011, US8170780, US8061465, US8028777, US7970530, US7967306, US7958956, US7946371, US7909340, US7900725, US7850180, US7757794, US7739030, US7731210, US7722063, US7708291, US7690452, US7690447, US7665749, US7600596, US7591337, US7588110, US7571787, US7552790, US7546889, US7543829, US7530419, US7497525, US7487985, US7479872, US7467802, US7407175, US7370713, US7275607, US7264251, US7210544, US7182166, US7174976, US7172045, US7157875, US7152868, US7143853, US7090040, US7073806, US7023330, US7004271, US7000933, US6969079, US6965206, US6953203, US6948581, US6938907, US6929080, US6915878, US6886842, US6883629, US6874591, US6868931, US6866107, US6827163, US6815919, US6799649, US6796396, US6789640, US6779621, US6663122, US6651766, US6615938, US6581714, US6543564, US6538411, US6464030, US6443251, US6443250, US6435535, US6378882, US6367817, US6343664, US6311794, US6302230, US5794305, US5762351, US5611555, US5513865, US5431243, US5330214, US5248011, US5236060, US5232235, US5169166, US4998596, US4944360, US4919225, US4909538, US4903857, US4863183, US4740004, US4714126, US4699234, US4697663, US4662468, US4634137, US4624469, US4600216, US4546997,

US4484648, US4477097, US4469344, US4437535, US4423795, US4368795, US4360224, US4351410, US4336964, US4325565, US4313517, US4277078, US4088199, US2017043805, US2016129964, US2016023709, US2015329165, US2015210338, US2015203154, US2015197304, US2015123389, US2014375015, US2012161410, US2012126565, US2011304117, US2011209929, US2011193308, US2011168473, US2010320023, US2010263956, US2010194068, US2010193274, US2010114468, US2010101482, US2010007109, US2009321169, US2009277708, US2009194961, US2009125160, US2009108555, US2009099762, US2009032323, US2008258416, US2008100018, US2008035395, US2008001377, US2007256882, US2007187166, US2007176384, US2007126199, US2007075517, US2007075514, US2007045020, US2007007739, US2006273655, US2006260857, US2006249313, US2006175109, US2006170171, US2006151232, US2006125433, US2006108165, US2006108156, US2006097471, US2006086555, US2006061460, US2006054370, US2006049597, US2006011398, US2005236215, US2005211477, US2005167174, US2005126832, US2005121866, US2005093270, US2005012291, US2004178597, US2004129483, US2004129473, US2004118622, US2004094346, US2004069543, US2004055804, US2004055796, US2004054634, US2004050605, US2004035628, US2004035626, US2004035625, US2004035623, US2004032120, US2004024207, US2004011573, US2004007425, US2004007399, US2004007398, US2003221891, US2003221890, US2003205419, US2003141689, US2003102176, US2003057006, NL1021195, GB2374327, FR2884217, FR2559103, FR2534869, FR2522590, EP2923931, EP1378428, EP0020835, DE4444115, DE3128371, DE3040740, DE29702541, DE19524802, DE10224289, DE10224289, CN103863487, CN103863487,

Abstract:
Source: US4020914A A three−wheeled motorcycle in which two front wheels are interconnected with a conventional motorcycle frame by a parallelogram configured coupling assembly utilizing a pair of cross members pivotally connecting hubs of the front wheels and pivotally connected to the frame. Foot resting platforms are positioned on either side of the motorcycle, being fixedly connected to one of the cross members in the front and pivotally connected to the motorcycle frame at the rear.



0) US3621609A – SPRUNG AXLE ASSEMBLY AND METHOD FOR TOY VEHICLE...

24) Family number: 19273492 (US3621609A) © PatBase

Title: SPRUNG AXLE ASSEMBLY AND METHOD FOR TOY VEHICLES

Priority: US19690816196 19690415 US19710154931 19710621

Family:

Publication number	Publication date	Application number	Application date
BR7018215 A0	19730215	BR19700218215	19700413
CA921699 A1	19730227	CA19700071641	19700107
DE2000269 A1	19701029	DE19702000269	19700105
DE7000179 U	19700514	DE19700000179U	19700105
ES378530 A1	19720616	ES19700378530	19700413
FR2041996 A5	19710205	FR19700000042	19700102
GB1282262 A	19720719	GB19700000728	19700107
US3621609 A	19711123	US19690816196	19690415
US3707761 A	19730102	US19710154931	19710621

Probable Assignee: MATTEL INC

Assignee(s):(std)**:** MATTEL INC

Assignee(s): MATTEL INC US ; HARVEY W LABRANCHE ; MATTEL

Inventor(s):(std)**:** LABRANCHE H ; LABRANCHE HARVEY W ; WESLEY LABRANCHE HARVEY

Inventor(s): LABRANCHE H US ; HARVEY W LABRANCHE ; LA BRANCHE H

International class (IPC 8–9)**:** A63H17/26 (Advanced/Invention); A63H17/00 (Core/Invention)

International class (IPC 1–7)**:** A63H11/10 A63H17/00 A63H17/26 A63H19/22 B23P11/00 B23P11/02

CPC: A63H17/262 Y10T29/49863

European class: A63H17/26B

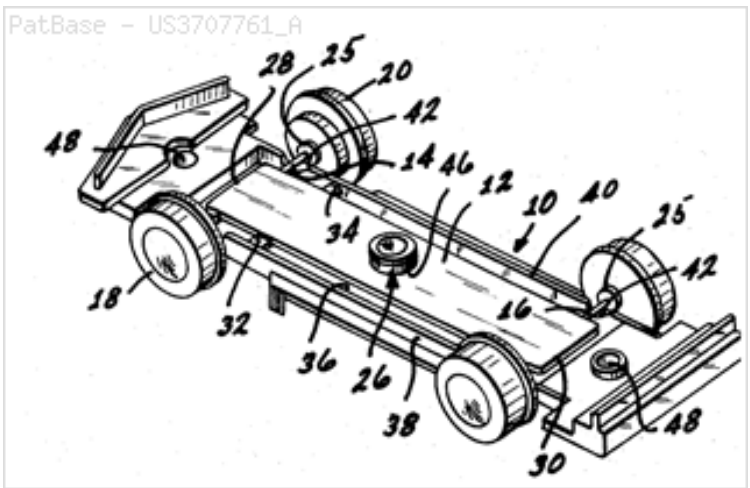
US class: 264/261 264/277 29/44.6 29/446 446/469 462/10

Classification Explorer

Cited documents: US3503308 A, US3074116 A, US3063194 A, US3009287 A, US2258053 A, US1929257 A, GB946130 A, FI26861 A, DE965558 A,

Forward Citations: US7854479, US6955580, US5273478, US3928905, US3711989, US2012208429, US2011263181, US2008264425, US2005079788,

Abstract:



Source: US3621609A ABSTRACT OF THE DISCLOSURE A toy vehicle in which axle wires are molded into a thin block of resilient plastic to keep the axles well aligned. The block is attached to the vehicle frame at its center, so the opposite ends wherein the axles are held are free to deflect upwardly, thereby permitting greater wheel deflection by a child pressing down on the vehicle without causing deflection of the axles past their elastic limit. The molding operation can be accomplished by tensioning a pair of thin axle wires, one serving as the front axle and the other as the rear axle, and molding plastic around them. The tensioning assures accurate alignment of the two front wheels with each other and the two rear wheels with each other. Inasmuch as the tools for tensioning the wires can be accurately located during production, the front and rear wheels also can be accurately aligned with each other. The novel features of the invention are set forth

with particularity in the appended claims. The invention will be best understood from the following description when read in conjunction with the accompanying drawings.

0) NL1015447C – RECREATION VEHICLE FOR FOOTBALL ON WHEELS, HAS ...

25) Family number: 23180653 (NL1015447C) © PatBase

Title: Recreation vehicle for Football on wheels, has fixed axle front wheels and single steerable rear wheel

Priority: NL20001015447 20000615

Family:

Publication number	Publication date	Application number	Application date
NL1015447 C2	20011219	NL20001015447	20000615

Probable Assignee: M AND M WHEELS V O F

Assignee(s):(std)**:** M AND M WHEELS V O F

Inventor(s):(std)**:** TEBBENS THOMAS LEONARDUS ; THOMAS LEONARDUS TEBBENS

International class (IPC 8–9)**:** B62K21/00 B62K5/04 B62K5/05 (Advanced/Invention)

International class (IPC 1–7)**:** A63H25/00 B62K21/00 B62K5/04

CPC: B62K5/05 B62K21/00

European class: B62K21/00 B62K5/05

Classification Explorer

Cited documents: US1373108 A, NL1009740 C2, FR705063 A, DE889407 A, BE357796 A,

Abstract:
The vehicle is elliptical about its central axis (2). It has two front wheels (3, 4) on a fixed axle (6). The rear wheel assembly (5) is controlled by a steering column. The rider sits on a seat (7) and controls the vehicle with accelerator (8) and brake (9) pedals. The outer edge of the vehicle has a rubber shock absorbent strip (11).

PatBase - NL1015447_C2

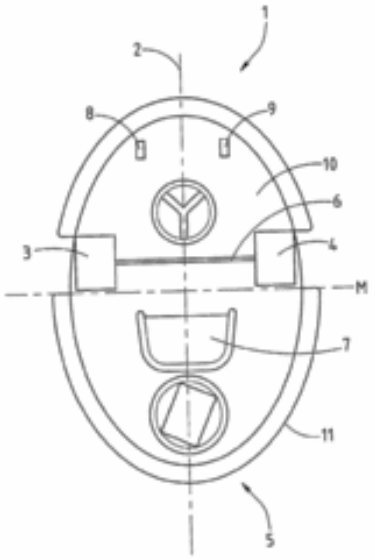


FIG. 1

1015447

0) WO11070388A1 – A FENDER FOR A VEHICLE GARDE–BOUE POUR UN VEHI...

26) Family number: 49086045 (WO11070388A1) © PatBase

Title: A FENDER FOR A VEHICLE

Priority: WO2009IB07968 20091211

Family:

Publication number	Publication date	Application number	Application date
WO11070388 A1	20110616	WO2009IB07968	20091211

Probable Assignee: RENAULT TRUCKS

Assignee(s):(std)**:** PRUAL FABIEN ; RENAULT TRUCKS

Inventor(s):(std)**:** PRUAL FABIEN

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

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

CPC: B62D25/168 B62D25/165 B62D25/166

European class: B62D25/16C2 B62D25/16C3 B62D25/16D

Classification Explorer

Cited documents: GB2299391, FR2768199,

Abstract:
The fender (6) is designed to be fixed on a vehicle structure proximate a wheel of said vehicle. The fender comprises a fender wall (7) in which is arranged at least one slot (14) adapted to receive a fastening means (21) such as a bolt and to allow the adjustment of the position of the fender (6) with respect to the vehicle structure. The slot (14) is substantially filled with a film (15) provided with a slit (16), thereby forming two sections of film (17, 18), said sections being capable of moving apart locally around the fastening means (21) when said fastening means is inserted through the slot (14).

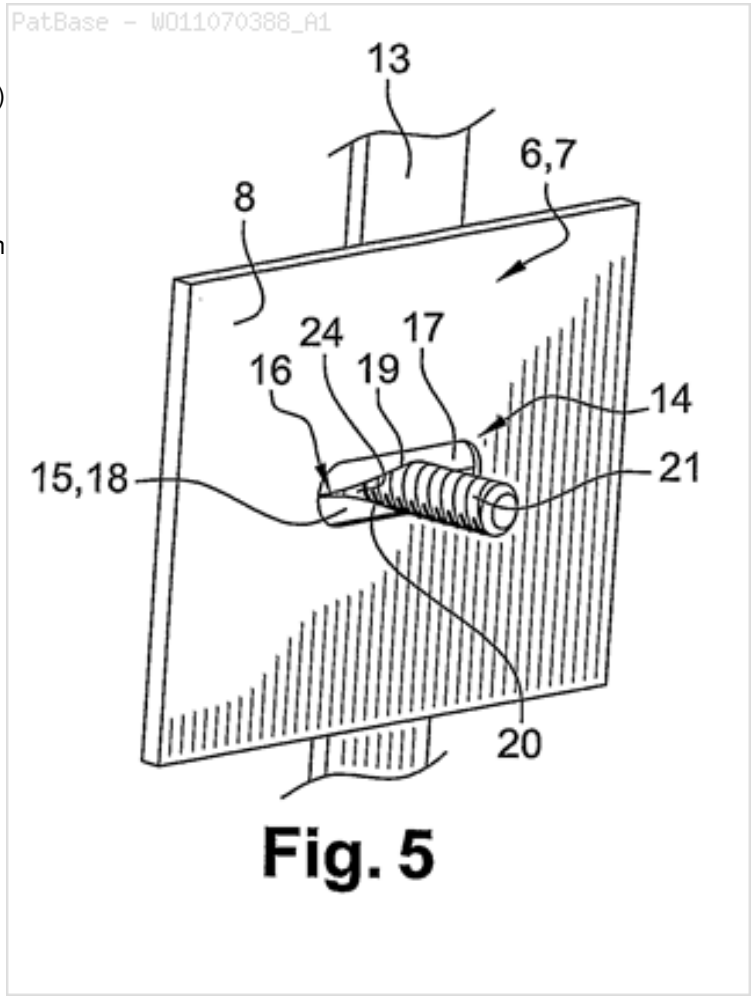


Fig. 5

0) BRPI0704370A – TRICICLO COM DUAS RODAS DIANTEIRAS E UMA TRASEI...

27) Family number: 46859462 (BRPI0704370A)

© PatBase

Title: triciclo com duas rodas dianteiras e uma traseira tricycle with two front wheels and a back (Machine translation)

Priority: BR2007PI04370 20070831

Family:

Publication number	Publication date	Application number	Application date
BRPI0704370 A2	20100908	BR2007PI04370	20070831

Probable Assignee: CEZAR ADEMIR FERREIRA

Assignee(s):(std)**:** CEZAR ADEMIR FERREIRA

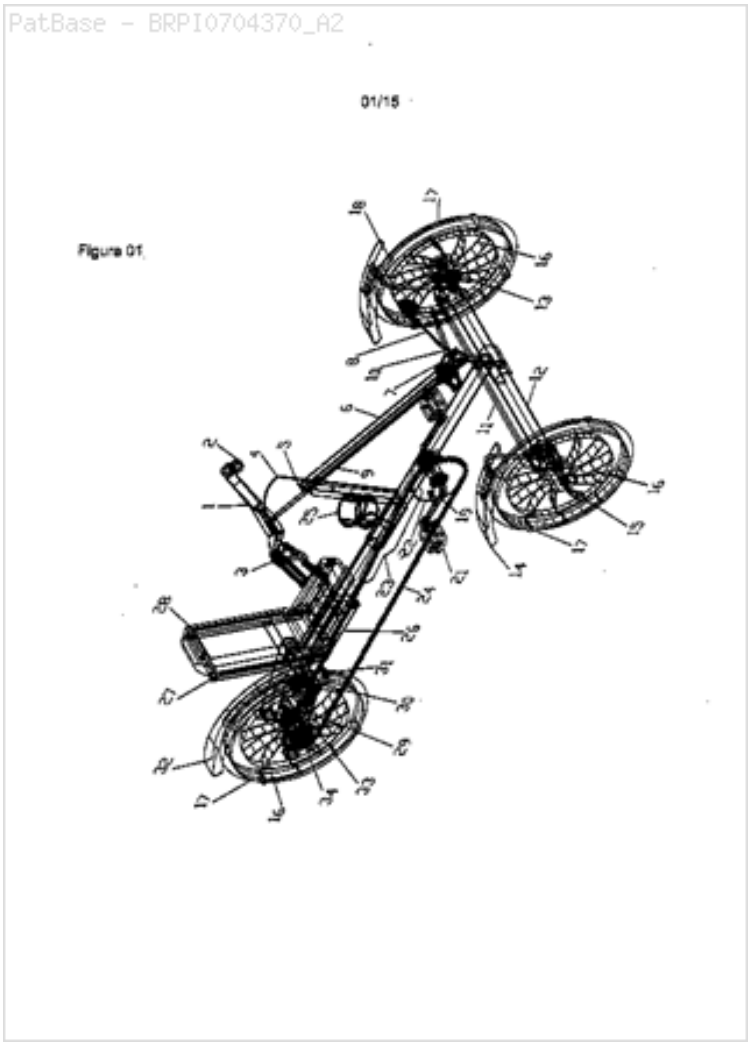
Assignee(s): ADEMIR FERREIRA CEZAR

Inventor(s):(std)**:** CEZAR ADEMIR FERREIRA

Inventor(s): ADEMIR FERREIRA CEZAR

International class (IPC 8–9): B62K5/02 (Advanced/Invention); B62K5/00 (Core/Invention)

Classification Explorer



Abstract:
Source: BRPI0704370A TRICICLO COM DUAS RODAS DIANTEIRAS E UMA TRASEIRA, assegura aos condutores grande seguranca pois desenvolve boa velocidade oferecendo grande estabilidade devido ao sistema de alinhamento das rodas e direcao, com estrutura em aco dividido em quatro modulos ou em peca unico, o sistema de tracao e a pedal e utiliza relacao de bicicleta com marcha ou sem, seu sistema de direcao funciona semelhante ao de um automovel com seu angulo de manobra de aproximadamente 450(graus) com extrema leveza devido ao conjunto de rolamentos utilizado no acoplamento das rodas, o freio adotado e o cantilever que em testes nos demonstrou um melhor resultado na frenagem na roda traseira, seu formato em "T" mantem as tres rodas no chao, o posicionamento do assento na parte de tras do "Triciclo" faz com que o sistema de frenagem trabalhe de forma eficiente, os retrovisores da ao condutor uma boa visibilidade, a facilidade de adaptacao do projeto nos possibilita a sua montagem com motor, freio a disco, sistema de suspensao e banco extra para carona, produzido em quatro modulos conforme segue: Quadro Dianteiro Superior, Quadro Dianteiro Inferior, Quadro Traseiro e Banco conforme identificamos na (figura 3), nesta forma possibilitamos que o transporte do brinquedo seja feito com conforto e seguranca.

Machine translation: TRICYCLE WITH TWO FRONT WHEELS AND a BACK, assures to the conductors great security therefore develops good speed offering great stability due to the system of alignment of the wheels and direction, with structure in steel divided in four modules or in sins only, the system tractive and the pedal and uses relation of bicycle with march or without, its system of direction functions approximately similar to the one of an automobile with its angle of maneuver of 450 (degrees) with the extreme slightness due to the set of rolamentos used in the coupling of the wheels, the adopted brake and cantilever that in tests in it more good demonstrated one result to

them in the lockwire in the back wheel, its format in “T” keeps the three wheels in the soil, the positioning of the seat in the behind part of the “Tricycle” makes with that the lockwire system works of efficient form, the retrovisores of to the conductor a good visibility, the easiness of adaptation of the project in them makes possible its assembly with engine, brake the record, system of suspension and extra bank for hitchhiking, produced in four modules in agreement follows: Superior Front picture, Inferior Front Picture, Back Picture and in agreement Bank we identify in (figure 3), in this form we make possible that the transport of the toy is made with comfort and security.

0) WO02102622A1 – SUPPORT MIRROR DRIVING EQUIPMENT FOR AUTOMOBILE...

28) Family number: 27160390 (WO02102622A1) © PatBase

Title: SUPPORT MIRROR DRIVING EQUIPMENT FOR AUTOMOBILE

Priority: KR20010018238U 20010619 KR20010034526 20010619

Family:

Publication number	Publication date	Application number	Application date
KR100417898 B1	20040211	KR20010034526	20010619
KR20020096212 A	20021231	KR20010034526	20010619
KR200248474 Y1	20011031	KR20010018238U	20010619
WO02102622 A1	20021227	WO2002KR01029	20020530

Probable Assignee: LEE GI TAE

Assignee(s):(std)**:** LEE GI TAE ; LEE KI TAE

Inventor(s):(std)**:** LEE GI TAE ; LEE KI TAE

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 KZ LC 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)**:** B60R1/00 B60R1/07 (Advanced/Invention); B60R1/06 B60R1/07 (Advanced/Non–invention); B60R1/00 B60R1/062 (Core/Invention)

International class (IPC 1–7)**:** B60R1/06 B60R1/07

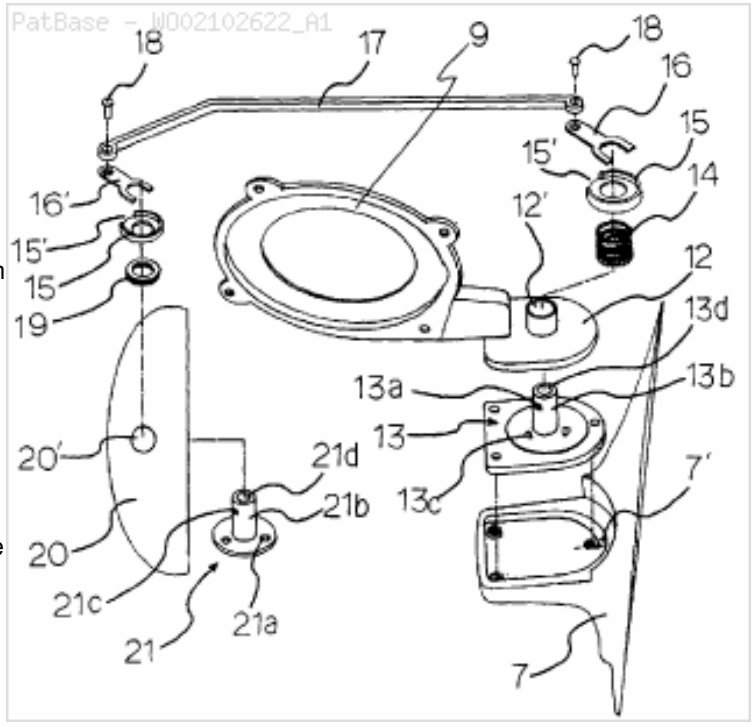
CPC: B60R1/002

European class: B60R1/00G

Classification Explorer

Cited documents: US4957359 A, KR970001200 U, KR19990041287 A, JPH0556635 U, JP59018050 U1, JP55145039 A2, JP5056635 U1, EP0865967 A2,

Abstract:
The present invention relates to a support mirror driving device for observing the front side direction of a vehicle. Because of an object or means for securing the broader view of the fenders of the two rear wheels or the rear corner dead zone instead of the above means for observing the dead zone under the fenders of the two front wheels, most drivers often has experiences that the front wheels were fell into a ditch or the vehicle collided with a boundary stone or an obstacle, if he did not notice the ditch or other obstacles. Also, it is inconvenient that he should drives the vehicle while sticking his head out of the window during parking or cornering. Thus, a support mirror (2) of the present invention is a driving means mounted on the lower part of the side mirror housing (11) at a right angle with the plane of the side mirror, in which the side mirror housing (11) is folded into the door panel welded part (24), and simultaneously the support mirror housing (20) is also folded into the door panel side welded part together, characterized by further comprising a support mirror driving device mounted on or assemble into a common side mirror as one body, for easily observing the front side view of the vehicle which does not come into sight by the



common side mirror, i.e., the dead zone around the fenders including the front wheels.

0) AT515075A – FAHRZEUG VEHICLE (MACHINE TRANSLATION)

29) Family number: 59289748 (AT515075A)

© PatBase

Title: FAHRZEUG VEHICLE (Machine translation)

Priority: AT20130050744 20131107

Family:

Publication number	Publication date	Application number	Application date
AT515075 A1	20150515	AT20130050744	20131107

Probable Assignee: ONOII KG

Assignee(s):(std)**:** ONOII KG

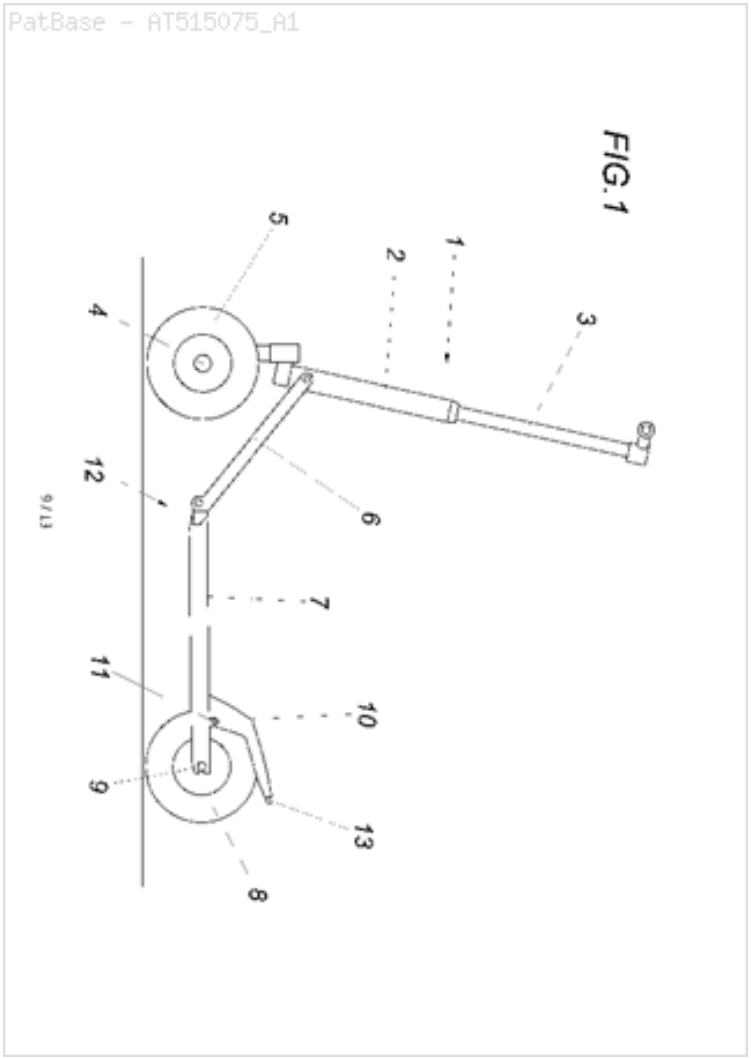
International class (IPC 8–9)**:** B62H1/02 B62K15/00 B62K17/00 B62K3/00 B62K5/05 B62K5/08 B62L1/04 B62L3/04 (Advanced/Invention)

CPC: B62K3/002 B62H1/02 B62K5/05 B62K5/08 B62K15/00 B62K15/008 B62K17/00 B62L1/04 B62L3/04

Classification Explorer

Cited documents: WO13065978 A1, JP9139480 U1, GB2492164 A1, DE20018919 U1,

Abstract:
Source: AT515075A Es wird ein Fahrzeug mit einem eine Achse fuer wenigstens ein Rad aufnehmenden Rahmen, mit einem am Rahmen vorgesehenen Kotfluegel fuer das Rad und mit einer Bodenabstuetzung fuer den Rahmen beschrieben. Um eine gute Standfestigkeit fuer die Ruhestellung des Fahrzeuges gewaehrleisten zu koennen, ohne hiefuer zusaetzliche Konstruktionsteile am Rahmen vorsehen zu muessen, wird vorgeschlagen, dass der Kotfluegel mit einem Endabschnitt die Bodenabstuetzung fuer eine um die Achse des Rades verschwenkte Ruhestellung des Rahmens bildet. It is written with a one axis for at least one wheel receiving frame, with a provided on the frame and the wheel fenders for a Bodenabstuetzung for the frame a vehicle. To ensure good stability for the rest of the vehicle without having to provide therefor additional structural parts on the frame, it is suggested that the mudguard is the Bodenabstuetzung for a pivoted around the axis of the wheel rest of the frame with an end.



0) US2001011825A – AEOLIAN ENERGY GENERATOR FOR CARS

30) Family number: 28114303 (US2001011825A) © PatBase

Title: AEOLIAN ENERGY GENERATOR FOR CARS

Priority: AR19990006348 19991214

Family:

Publication number	Publication date	Application number	Application date
AT296956 E	20050615	AT20000500214T	20001018
AU200055086 A5	20010621	AU20000055086D	20000901
AU780084 B2	20050224	AU20000055086	20000901
BRPI0006437 A	20010717	BR2000PI06437	20001211
CA2319951 AA	20010614	CA20002319951	20000920
DE60020503 D1	20050707	DE20006020503	20001018
DE60020503 T2	20060323	DE20006020503T	20001018
EP1108890 A2	20010620	EP20000500214	20001018
EP1108890 A3	20030402	EP20000500214	20001018
EP1108890 B1	20050601	EP20000500214	20001018
JP2001180397 A2	20010703	JP20000234084	20000802
JP4546624 B2	20100915	JP20000234084	20000802
US2001011825 AA	20010809	US20000735612	20001214

Probable Assignee: VEGA DORA ANGELICA GERICKE DE

Assignee(s):(std)**:** DORA ANGELICA GERICKE DE VEGA ; GERICKE DE VEGA DORA ANGELCA ; GERICKE DE VEGA DORA ANGELICA ; VEGA DORA ANGELICA GERICKE DE ; DE VEGA DORA ANGELICA GERICKE

Inventor(s):(std)**:** DE VEGA DORA ANGELICA GERICKE ; DORA ANGELICA GERICKE DE VEGA ; GERICKE DE VEGA DORA ANGELCA ; GERICKE DE VEGA DORA ANGELICA ; VEGA DORA ANGELICA GERICKE DE

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)**:** B01D59/50 B60K16/00 B60L8/00 B60R16/03 B62D35/00 F03D11/04 F03D3/00 F03D3/02 F03D3/04 F03D5/04 F03D9/00 F03G7/00 (Advanced/Invention); B01D59/00 B60K16/00 B60L8/00 B60R16/03 B62D35/00 F03D11/00 F03D3/00 F03D5/00 F03D9/00 F03G7/00 (Core/Invention)

International class (IPC 1–7)**:** B01D59/50 B60K16/00 B60L8/00 B60R16/02 B60R27/00 F03B13/00 F03D3/00 F03D3/02 F03D3/04 F03D5/04 F03D9/00 F03G7/00 H02P9/04

CPC: B60K16/00 B60K2016/006 B62D35/00 F03D3/002 F05B2240/941 Y02E10/728 Y02E10/74 Y02T10/90 F03D9/25 F03D13/20

European class: B60K16/00 B62D35/00 F03D11/04 F03D3/00C F03D9/00C L60K16/00B R05B240/941 Y02E10/72N Y02E10/74 Y02T10/90

US class: 290/54 290/54S 290/55 290/55P

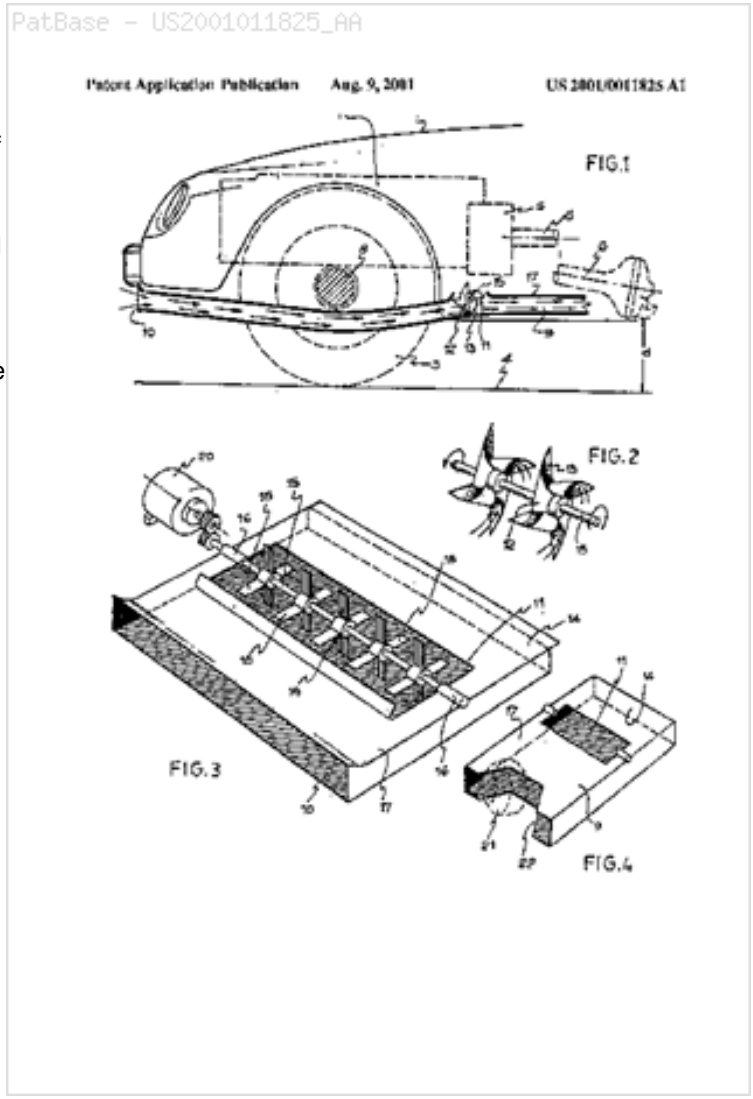
Classification Explorer

Cited documents: US6138781 A, US6097104 A, US5986429 A, US5760515 A, US5680032 A, US5584355 A, US5386146 A, US5287004 A, US4423368 A, US4141425 A, US4039848 A, US3713503 A, US3590720 A, US3444946 A, JP8284847 A2, JP8200201 A2, JP6237501 A2, JP6237501, JP11303727 A2, JP10339260 A2, JP10318118 A2, EP0546983 A1, DE3907861 A1, DE3226381 A1,

Forward Citations: WO14055570, WO13089804, WO12042081, WO12032556, WO09092217, US9421845, US9084859, US9022150, US8579054, US8469123, US8434574, US7722313, US7652389, US7309213, US7043931, US2012234323, US2011168459, US2010006352, US2009025993, US2008231052, US2007104579, NL2002706, ITUD20080249, ITRM20100471, GB2461918, DE102006023130, CN103097724,

Abstract:
Source: US2001011825A Aeolian energy generator for cars is of the kind constituted by rotative nucleus joined to radial blade or vanes, such as propellers, inserted among air currents with the object to make the nucleus of a transformer of mechanic power into electric power rotate. The generator comprises a wide pipe of low height, longitudinally positioned between the wheels of both sides of a car, and under its body, the pipe is completely open at two ends and a wide traversal opening in its superior face; and a rotative axis, which is coplanar to the superior face outstanding in one of the sides of it. All the rotative bodies are attached to its axis, outstanding half of them from the superior face with half the blades. The mentioned end of axis protrudes laterally from the pipe is mechanically attached to the power transformer.

PatBase - US2001011825_AA



0) US5947222A – THREE–WHEELED AUTOMOBILE

31) Family number: 29259354 (US5947222A) © PatBase

Title: Three–wheeled automobile

Priority: JP19960202281 19960731 JP19960202286 19960731

Family:

Publication number	Publication date	Application number	Application date
JP10045079 A2	19980217	JP19960202281	19960731
JP10045080 A2	19980217	JP19960202286	19960731
JP3031455 B2	20000410	JP19960202286	19960731
JP3059679 B2	20000704	JP19960202281	19960731
US5947222 A	19990907	US19970900483	19970725

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)**:** AZUMA TOSHIYUKI ; HAKUNO TOSHIYUKI ; HIGASHI TOSHIYUKI ; KIMURA MASAYOSHI ; KOHAMA KATSUMI ; OKADA TAKEO ; SHIBAYAMA TAKAO ; SHIRONO TOSHIYUKI ; YAGUCHI YUKIHIRO ; YAMAOKA NAOJI ; YOSHIDA TERUAKI

International class (IPC 8–9): B62D25/20 B62D61/06 B62D63/04 B62J23/00 B62K5/04 (Advanced/Invention); B62D25/20 B62D61/00 B62D63/00 B62J23/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62D25/20 B62D61/06 B62D63/04 B62J23/00 B62K5/04

CPC: B62D61/06

European class: B62D61/06

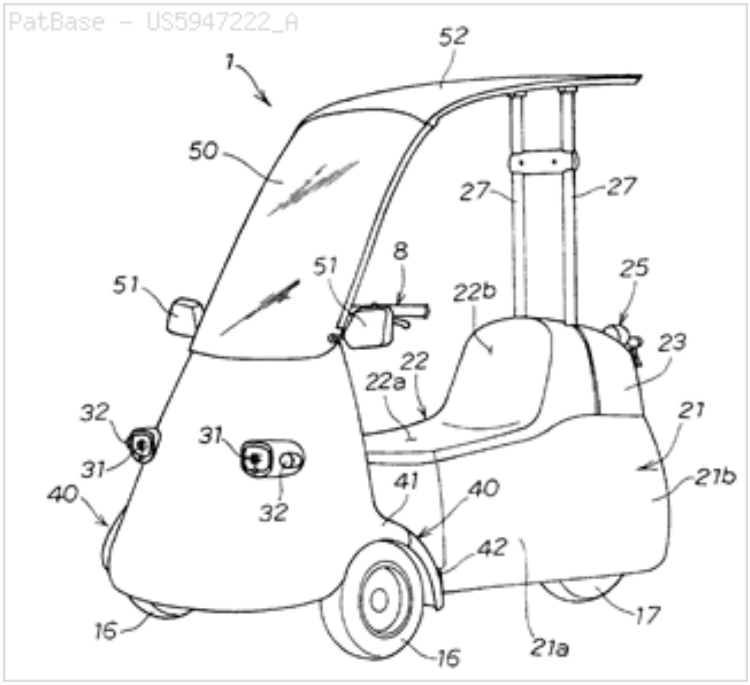
US class: 180/210 180/211 293/1 296/78.1 296/781

Classification Explorer

Cited documents: US4923026 A, US4799568 A, US4372602 A, US3934670 A, US1692342 A, US1582176 A, JP733060, JP61229683, JP60136275 U, JP55170191 U, JP480758 U, JP4292224, JP3909805 Y1,

Forward Citations: USD485788, USD449018, US9272744, US8678123, US8061465, US7661492, US7588110, US6948581, US6655483, US6325441, US2013075177, US2009277708, US2007045020, US2004129483, US2004129473, US2004050605, US2004035626, US2004035625, US2004035623, US2004032120, US2003221891, US2003221890, JP2014094164, JP2009056967, JP2006026304, JP2006001388, JP2006001387, JP2005104273,

Abstract:
Source: US5947222A A three−wheeled automobile comprises a front cowl for enclosing a front portion of the automobile, and a floor forming a passenger step. The front cowl has on lateral sides thereof rear ends positioned above front wheels of the automobile, and a front end surface positioned forwardly of the front wheels. As a result, a large space is provided between a front wall of the front cowl and a seat. A handle post is provided generally centrally of the floor. The floor has roomy foot platforms located around the handle post. As a result, a space left forwardly of the handle post can be used as a feet accommodating area.



0) DE1630289A1 – KRAFTFAHRZEUG MIT EINEM VORNUEBER KIPPBAREN FAH...

32) Family number: 447445 (DE1630289A1)

© PatBase

Title:	KRAFTFAHRZEUG MIT EINEM VORNUEBER KIPPBAREN FAHRERHAUS MOTOR VEHICLE WITH A FRONT ON TILTING CAB (Machine translation)
Priority:	DE1967D053144 19670523

Family:

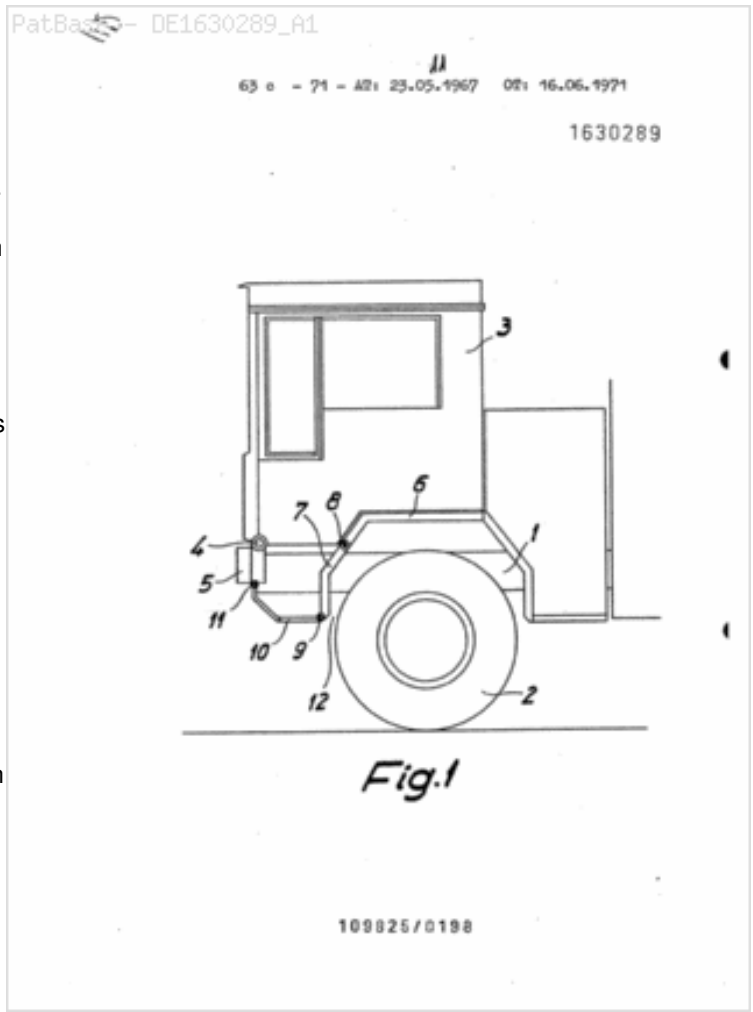
Publication number	Publication date	Application number	Application date
DE1630289 A1	19710616	DE19671630289	19670523

Probable Assignee:	DAIMLER BENZ AG
Assignee(s):(std):	DAIMLER BENZ AG
Inventor(s):(std):	BUCHARD PETER DIPL ING
International class (IPC 8–9):	B62D33/067 (Advanced/Invention); B62D33/06 (Core/Invention)
International class (IPC 1–7):	B60R3/02
CPC:	B62D33/067
European class:	B62D33/067

Classification Explorer

Abstract:
Source: DE1630289A1 (Claim 1) 1. Kraftfahrzeug mit einem auf seinem Fahrzeugrahmen und zugleich oberhalb der Vorderraeder nach vorn ueber– kippbar angeordneten, vordere KotflUgelteile bildenden Frontlenker–Fahrerhaus und mit einem Aufstiegtritt inindes– tens vor einem der beiden Vorderraeder, dadurch gekenn zeichnet, daue der Aufstiegtritt (10) mit seinem vorderen Znde (Gelenkbolzen 11) am Fahrzeugrahmen (1) an einer unter der Anlenkstelle (Schwenkachse 4) des Fahrerhauses (3) gelegenen Stelle und mit seinem hinteren Ende am vorderen unteren Ende (Endteil 7) des benachbarten 1?–ot–fluegels (6) angelenkt und der vom Fahrerhaus (3) nach vorn unten ragende Endteil (7) des Kotfluegels mit dem)Fahrerhaus (3) gelenkig verbunden ist.

Machine translation: (Claim 1) 1 Motor vehicle with one on his vehicle frame and also above the front wheels forward about–tilt mounted, front KotflUgelteile fine cab–cab and a rise occurs inindes least before one of the two front wheels, characterized in Daue the rise occurs (10) with its front Znde (hinge pin 11) on the vehicle frame (1) at a below the point of articulation (swivel axis 4) of the cab (3) convenient location and with its rear end on the front lower end (end portion 7) of the adjacent one?–ot–wing (6) articulated and which the driver's cabin (3) forward downwardly extending end portion (7) of the fender with that) cabin (3) articulated.



0) ES1086231Y – DISPOSITIVO DE DOBLE APOYO CON INMOVILIZADOR PA...

33) Family number: 54398317 (ES1086231Y) © PatBase

Title:	DISPOSITIVO DE DOBLE APOYO CON INMOVILIZADOR PARA VEHICULOS
Priority:	ES20130030839U 20130703

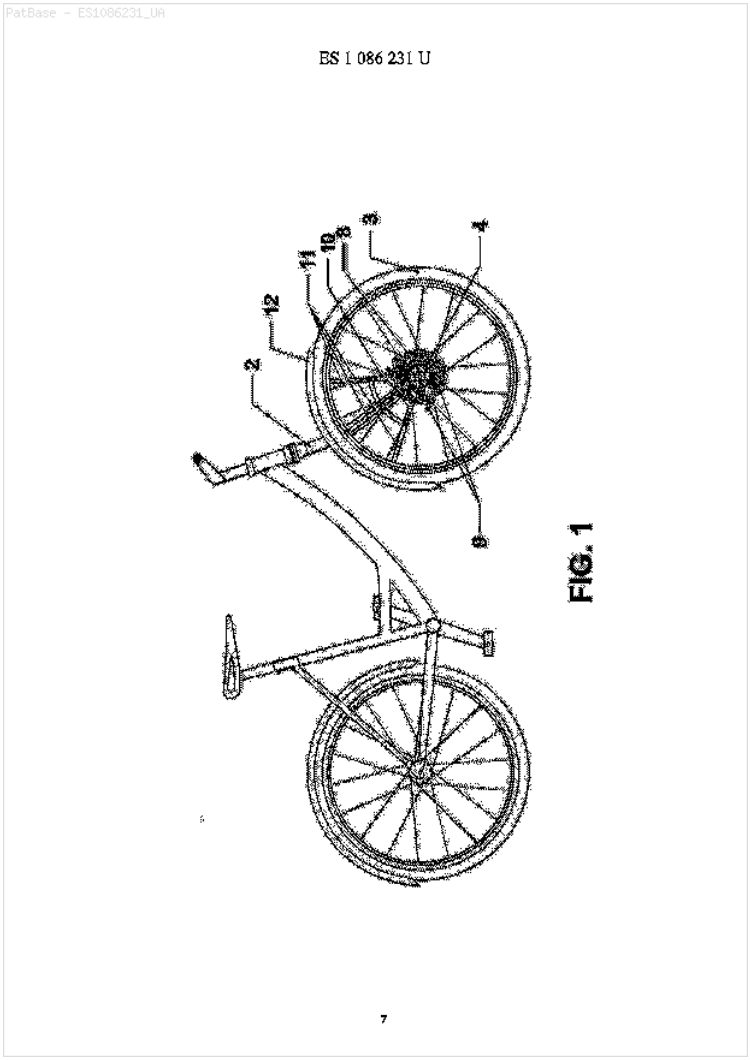
Family:

Publication number	Publication date	Application number	Application date
ES1086231 UA	20130730	ES20130030839U	20130703
ES1086231 Y1	20131025	ES20130030839U	20130703

Probable Assignee:	GESTION TECNICA DE CANTERAS S L
Assignee(s):(std):	GESTION TECNICA DE CANTERAS S L
Assignee(s):	GESTION TECNICA DE CANTERAS SL
Inventor(s):(std):	MORA AVILA ANTONIO
Inventor(s):	ANTONIO MORA AVILA
Agent(s):	SEGURA MERCEDES
International class (IPC 8–9):	B62K5/08 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1086231U 1. Dispositivo de doble apoyo con inmovilizador para vehiculos, previsto principalmente para su aplicacion en bicicletas convencionales, transformando la bici en una bicicleta de dos ruedas delanteras y una rueda trasera, que comprende un eje superior para montaje del correspondiente manillar de la bicicleta adaptandose este al tipo de bicicleta que se desee en funcion del buje de direccion de la bicicleta, incluyendo ademas parejas de bielas asociadas a balancines para permitir la inclinacion de las ruedas delanteras con limitacion de dicha inclinacion por superposicion de las propias bielas, caracterizado porque las dos ruedas delanteras de la bicicleta son del mismo diametro y su montaje se realiza a traves de sendos ejes emergentes de ejes con brida previstos en los extremos de los propios balancines, yendo estos a su vez montados con caracter basculante sobre respectivos ejes de rodamientos y estando soportados por las bielas fijadas y articuladas a la parte inferior del eje central. 2. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicacion 1, caracterizado porque incorpora un disco de freno, que se proyecta desde la parte frontal de uno de los balancines, y cuyo disco de freno va montado sobre un soporte previsto en una de las bielas, estando dicho disco de freno montado en combinacion con una pinza de freno central que hace posible la detencion de la articulacion central mediante maneta situada en el manillar y cable de union entre ambos. 3. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicaciones anteriores, caracterizado porque las ruedas delanteras estan provistas de un sistema de frenado mediante pinza hidraulica, incorporando en una zona intermedia, entre maneta o palanca de actuacion y las pinzas,



un distribuidor para reparto de fluidos para cada rueda. 4. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicaciones anteriores, caracterizado porque incorpora soportes para guardabarros relacionado con los balancines. 5. Dispositivo de doble apoyo con inmovilizador para vehiculos, segun reivindicacion 1, caracterizado porque el eje superior de montaje del manillar y fijado sobre el eje central inferior, es desmontable e intercambiable. 1. Double support device for vehicle immobilizer, intended primarily for application in conventional bicycles, turning the bike on a bike two front wheels and one rear wheel, comprising an upper shaft for mounting the bicycle handlebar adapting this to the type bike you want in function steering hub bicycle, including rods also associated with pairs of rocker to allow the inclination of the front wheels that tilt limitation by superposition of their own rods, wherein the two front wheels the bicycle are the same diameter and their assembly is carried out through respective shafts emerging flanged shafts provided at the ends of rocker arms themselves, moving these in turn pivotally mounted on respective shafts being supported by bearings and rods fixed and hinged to the bottom of the central axis. Two. Double support device for vehicle immobilizer according to claim 1, wherein it incorporates a brake disc, which projects from the front of one of the rockers, whose brake disc is mounted on a holder provided on one of the rods, said brake disk mounted in combination with a central brake caliper enables the joint detention center by lever located on the handlebars and cable junction between the two. Three. Double support device for vehicle immobilizer, according to previous claims, characterized in that the front wheels are equipped with a braking system with hydraulic clamp, incorporating an intermediate zone between handle or lever acting and tongs, a distributor for sharing fluid for each wheel. April. Double support device for vehicle immobilizer, according to previous claims, characterized in that it incorporates related fender mounts the rocker. May. Double support device for vehicle immobilizer according to claim 1, wherein the upper shaft of the handle assembly and fixed on the central shaft bottom is removable and interchangeable.

0) US4535869A – SADDLE RIDING TYPE MOTORCAR HAVING FOUR WHEELS ...

34) Family number: 29183445 (US4535869A) © PatBase

Title: SADDLE RIDING TYPE MOTORCAR HAVING FOUR WHEELS

Priority: CA19830420899 19830204 JP19820017324 19820205 NZ19830203181 19830204 JP19820017768 19820206 JP19820199640 19821113 JP19820199641 19821113

Family:

Publication number	Publication date	Application number	Application date
AU198311157 A1	19830811	AU19830011157	19830204
AU551549 B2	19860501	AU19830011157	19830204
CA1194804 A1	19851008	CA19830420899	19830204
JP1015435 B4	19890317	JP19820199641	19821113
JP1457456 C3	19880909	JP19820017768	19820206
JP1533752 C3	19891212	JP19820199641	19821113
JP1693630 C3	19920917	JP19820017324	19820205
JP1848984 C3	19940607	JP19820199640	19821113
JP2020475 B4	19900509	JP19820017324	19820205
JP3010551 B4	19910213	JP19820199640	19821113
JP58136576 A2	19830813	JP19820017324	19820205
JP58136577 A2	19830813	JP19820017768	19820206
JP59089281 A2	19840523	JP19820199640	19821113
JP59089284 A2	19840523	JP19820199641	19821113
JP63001234 B4	19880111	JP19820017768	19820206
NZ203181 A	19870220	NZ19830203181	19830204
NZ216507 A	19880108	NZ19830216507	19830204
US4535869 A	19850820	US19830462236	19830131

Probable Assignee: SUZUKI MOTOR CO

Assignee(s):(std)**:** SUZUKI MOTOR CO LTD ; SUZUKI MOTOR CO

Assignee(s): SUZUKI MOTOR COMPANY LIMITED ; SUZUKI MOTOR CORP ; TSUTSUMIKOSHI SHINOBU ; TAKASAKA MASAO ; GOTO AKIRA ; MURAKAMI TSUYOSHI ; SHINOHARA YOSHIKI ; SUZUKI CO LTD ; SUZUKI JIDOSHA KOGYO KK

Inventor(s):(std)**:** AKIRA GOTO ; GOTO A ; GOTO AKIRA ; GOTOU AKIRA ; KOUSAKA MASAO ; MASAO TAKASAKA ; MURAKAMI T ; MURAKAMI TAKESHI ; MURAKAMI TSUYOSHI ; SHINDOU TSUTSUMOKOSHI ; SHINOHARA Y ; SHINOHARA YOSHIKI ; TAKASAKA M ; TAKASAKA MASAO ; TSUTSUMIKOSHI S ; TSUTSUMIKOSHI SHINOBU ; TSUYOSHI MURAKAMI ; YOSHIKI SHINOHORA

Inventor(s): YOSHIKI SHINOHARA ; TSUTSUMIGOSHI SHINOBU ; SHINOBU TSUTSUMIKOSHI ; KOSAKA MASAO

Agent(s): LORD AND CO; FETHERSTONHAUGH AND CO

International class (IPC 8–9)**:** B62D61/00 B62D63/02 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K11/04 B62K25/04 B62K25/20 B62K25/28 B62K5/00 B62K5/01 B62K5/08 (Advanced/Invention); B62D63/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K25/04 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D39/00 B62D61/00 B62D63/02 B62J15/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K11/02 B62K11/04 B62K21/00 B62K25/04 B62K25/20 B62K25/28 B62K5/00 B62K5/08

CPC: B62K5/01

European class: B62K5/01

US class: 180/215 180/311 180/89.1 280/282

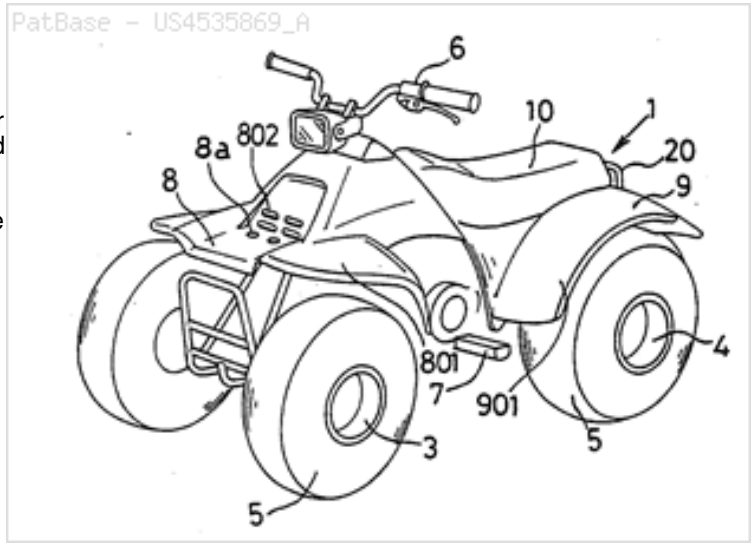
Classification Explorer

Cited documents:

US4392536 A, US4325562 A, US4226296 A, US4165094 A, US4070032 A, US4065144 A, US3557894 A, US2773392 A, JP58161676 A2, JP56073694 U1, JP56073694 U, JP56048980 U1, JP56048980 U, JP55135686 U1, JP55135686 U, JP55072476 A2, JP53026044 A2, JP51104525 U1, JP51104525 U, JP47016656 u1, JP47016656 U, JP30005908 Y1,

Forward Citations: WO0160684, USD601640, USD491615, US9481402, US9446809, US9266580, US8864204, US8783720, US8622428, US8191930, US8191929, US8191677, US7954853, US7942447, US7896371, US7740100, US7735869, US7708106, US7658411, US7644791, US7597387, US7591503, US7537499, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7357418, US7097207, US7097207, US6874590, US6860512, US6702058, US6631925, US6626260, US6523634, US6460907, US6085857, US6053272, US5620217, US5467839, US4836324, US4832399, US4799565, US4781258, US4776417, US4770262, US4749205, US4744432, US4735275, US4730689, US4699234, US4693333, US4687069, US4683970, US4667765, US4667758, US4650210, US4650029, US4632071, US4623167, US4614249, US4588200, US2011198831, US2011198830, US2010194088, US2010108428, US2009236840, US2009014976, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2007257516, US2007257479, US2006231308, US2006197331, US2006192375, US2006186699, US2004178619, US2004135397, US2004124033, US2003217884, US2003001377, JP7071950, JP63270297, JP62205879, JP62125967, JP62066894, JP62016582, JP61155615, JP61155613, JP61155612, JP61044083, JP61012477, JP60240582, JP60213587, JP60213576, JP60188081, JP60163779, JP60150188, JP60145987, JP60076586, JP60069791, JP60060081, JP60056681, JP59124467, JP5831052, JP58218481, JP2279484, JP2143651, JP2013049352, JP2007231991, EP1836064, CN102126522, AU594707, AU579290,

Abstract:
Source: US4535869A A new and unique saddle−riding type motorcar having four wheels comprising two front wheels and two rear wheels, wherein each of the front and rear wheels has a balloon tire mounted thereon and only the front wheels are rotatably supported on axles in such a manner as to turn in both directions relative to the longitudinal axis of the motorcar and the latter is steered by steering the front wheels by means of a bar handle constituting a steering mechanism. The motorcar includes a frame structure comprising a pair of upper frames, a pair of lower frames and a plurality of spacer frames, said pair of upper frames comprising a pair of fore−end portions extending downward from a bent portion at a forward inclination angle and a pair of inclined portions extending rearward by a certain distance from said bent portion at a gentle downward slope, said pair of lower frames being fixedly connected to the pair of upper frames by way of a fore axle at their fore end and by way of vertically extending frames at their rear end and said spacer frames extending in the transverse direction relative to the upper and lower frames so as to connect one of the upper frames to the other and one of the lower frames to the other. A steering head is located at the bent portion of the upper frames. Supporting sections are disposed at both the end−parts of the fore axle and at the rearmost end−parts of the lower frames to support the wheels. A suspension mechanism may be disposed at least on one of the front wheels and the rear wheels and each of the rear wheels may include an independent driving axle adapted to be swingably supported by means of an independent swing arm and an independent suspension mechanism.



0) FR2252232A – VEHICLE TRANSPORTER LORRY WITH WINCH – HAS LOWE...

35) Family number: 3250762 (FR2252232A) © PatBase

Title: VEHICLE TRANSPORTER LORRY WITH WINCH – HAS LOWERABLE CHASSIS ON JACK CONTROLLED LINKS CONNECTED TO WHEELS

Priority: FR19730042639 19731123

Family:

Publication number	Publication date	Application number	Application date
FR2252232 A1	19750620	FR19730042639	19731123
FR2252232 B1	19780224	FR19730042639	19731123

Probable Assignee: SAGE JACQUES

Assignee(s):(std)**:** SAGE JACQUES

Assignee(s): SAGE JACQUES FR

International class (IPC 8–9)**:** B60P3/07 (Advanced/Invention); B60P3/06 (Core/Invention)

International class (IPC 1–7)**:** B60P1/18 B60P3/06

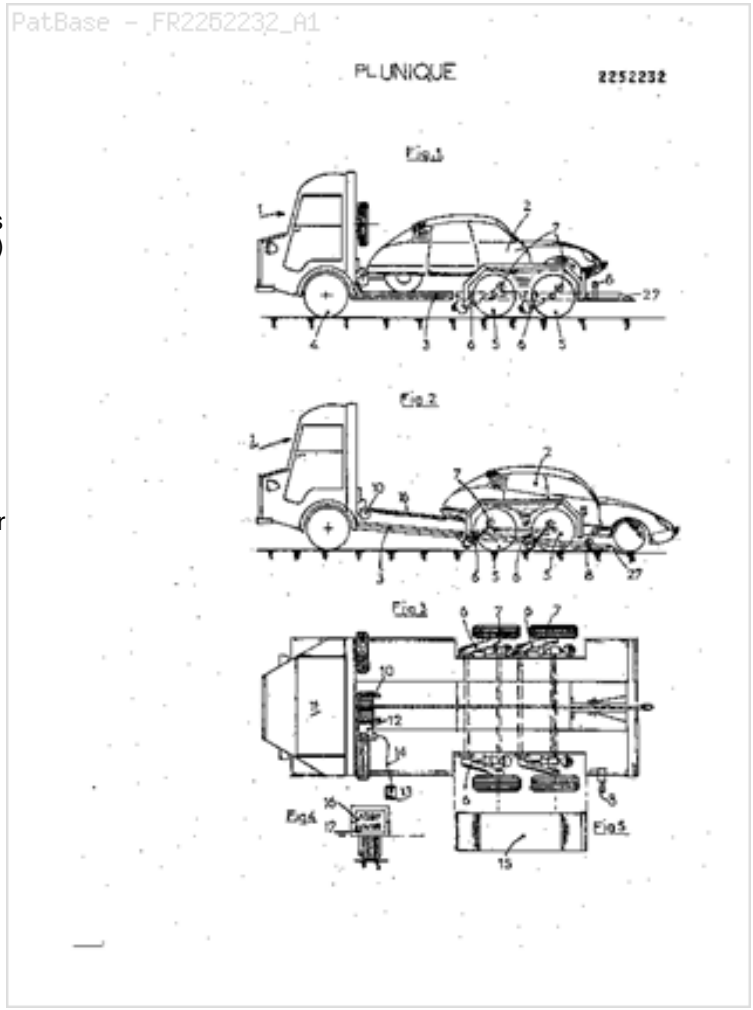
CPC: B60P3/07

European class: B60P3/07

Classification Explorer

Forward Citations: US6530580, US4493491, FR2452427, FR2419191,

Abstract:
Source: FR2252232A (Claim 1) 1 – Vehicule presentant un moyeu a l'avant et au moins deux roues @ l'arriere, caracterise on ce que le chassis prend appui sur les roues arriere par l'intermediaire de moyens permettant a lafois la susponsion et le basculement du chassis autour du moyeu avant, de facon a pouvoir mettre l'extremite arriere de ce chassis en contact avec le sol. The transporter lorry (1) has a chassis (3) on which is housed another (2). The transporter lorry has two front wheels (4) and four rear ones (5) articulated to the chassis by suspension arms (6) operated by hydraulic jacks (7). The read edge (27) of the platform is tapered, and a handle (8) controls the jacks. There is a cable winch behind the lorry club. This is controlled by a switch box on the end of a loose cable and electrically operated. The rear wheels have mudguards. To load, the chassis is tilted down until the rear touches the ground.



0) GB191324678A – IMPROVEMENTS IN OR RELATING TO THE UNDERCARRIAG...

36) Family number: 37035724 (GB191324678A) © PatBase

Title: Improvements in or relating to the Undercarriages of Perambulators and like Children's Vehicles.

Priority: 19131030

Family:

Publication number	Publication date	Application number	Application date
GB191324678 A	19140604		00000000

Probable Assignee: DOW WARRENDER BERNIE

Assignee(s):(std)**:** DOW WARRENDER BERNIE ; SIMPSON JOHN JAMES

Assignee(s): WARRENDER BERNIE DOW ; JOHN JAMES SIMPSON

Inventor(s):(std)**:** DOW WARRENDER BERNIE ; SIMPSON JOHN JAMES

Inventor(s): WARRENDER BERNIE DOW ; JOHN JAMES SIMPSON

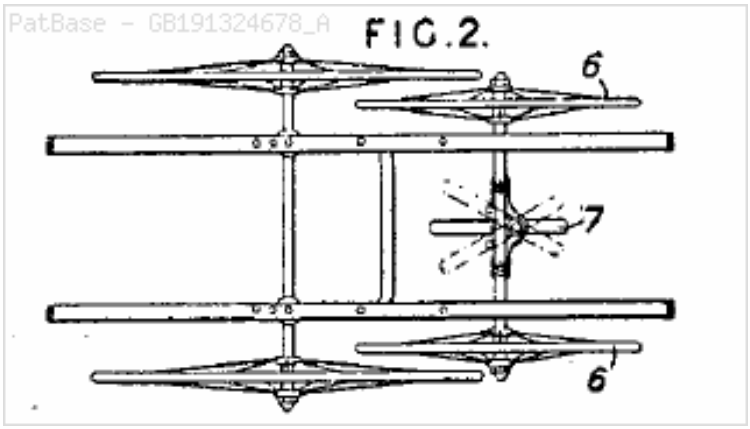
International class (IPC 8–9): B62B9/02 (Advanced/Invention); B62B9/00 (Core/Invention)

CPC: B62B9/02

European class: B62B9/02

Classification Explorer

Abstract:
Source: GB191324678A 24,678. Simpson, J. J., and Dow, W. B. Oct. 30. Wheels, arrangement of.–To facilitate the turning of a perambulator without any tilting movement about the rear axle, a swivelling wheel 7 is mounted between the two front wheels 6 so that the wheels 6 are raised clear of the ground. The wheels 6 form side supports to prevent lateral overturning, and are sufficiently forward of the wheel 7 to prevent this from contacting with a kerb which is to be mounted.



37) Family number: 45728951 (TWD100104S)

© PatBase

Title: Electrically operated riding instead of walking vehicle (5) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD100104 S1	20040821	TW20030305409F	20030903

Inventor(s): TSAI, CHI CHEN

Locarno class: 12/12

Abstract:
Source: TWD100104S

Machine translation: (1) goods use: ; One kind uses the transportation tool (2) creation characteristic for the medical service: ; This creation has outward appearance of design about one kind of electrically operated riding instead of walking vehicle, its localization four turn design emphasizes calm its take the old person or moving about with difficulty with Che Qieyi steadily as its main design direction. ; First, please refer the first chart to show the block diagram, and please refer other various charts to show; The figure shows this creation idea for by the streamline modelling biological modelling and the law Ralli's state design, the union facile good info clerk's function demand, becomes this design the creation main axle, the simple geometry line primarily construction, and makes the line or the surface the detail clear processing, even more promotes this design and the user confidence level of, enables users of the this crowd of weak trend tribal grouping tribal group to prepare the feeling warm and the concern. ; This creation the main characteristic lies in the facial features modelling which the handle covers cleverly lovable, under the display board the host support is a columnar circular pipe, picks appears externally does not decorate faces consumer's sense organ vision directly, between two front wheels sets at a fender, gives the human the steady feeling, after the automobile body part has the characteristic is the storage battery picks the low position design to cause the half to produce after the foot board, the storage battery, the wheel cap triad the three–dimensional steps and ladders modelling, builds one kind in the riding instead of walking vehicle domain unprecedented new field of vision. Also specially gives the large scale in each operation instruction and the button, the convenient user can easier operate this vehicle, causes this vehicle to have design the user friendly. ; As mentioned above, this creation novel design, must be able to receive user's affection and convenient, requests earnestly Hui Yu to examine and to kindly grant its patent, true feelings Germany then.



0) JP7025342B – HEAD–LAMP SUPPORT STRUCTURE OF SADDLING TYPE CA...

38) Family number: 8681459 (JP7025342B)

© PatBase

Title: HEAD–LAMP SUPPORT STRUCTURE OF SADDLING TYPE CAR

Priority: JP19850291477 19851224

Family:

Publication number	Publication date	Application number	Application date
JP1988738 C3	19951108	JP19850291477	19851224
JP62149575 A2	19870703	JP19850291477	19851224
JP7025342 B4	19950322	JP19850291477	19851224

Probable Assignee: YAMAHA MOTOR CO LTD

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

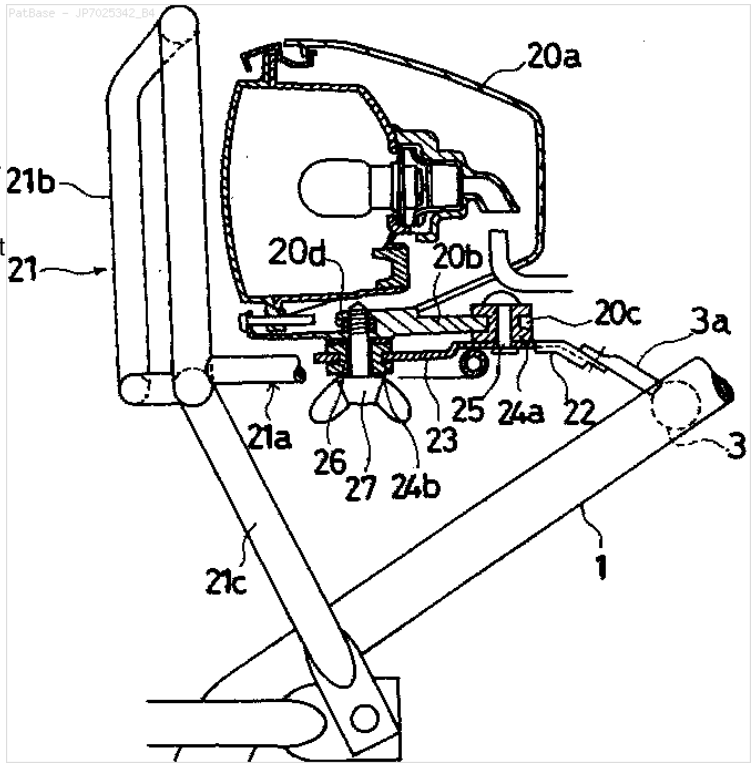
Inventor(s):(std)**:** KIMURA HIROSHI ; NISHIKAWA TORU ; TAKIMOTO HIROSHI

International class (IPC 8–9)**:** B62J15/00 B62J6/00 B62J6/02 (Advanced/Invention); B62J15/00 B62J6/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J6/00 B62J6/02

Classification Explorer

Abstract:
Source: JP7025342B . [Source: Claim 1] **1** equipped with an engine substantially at the center of the body frame, two in the front, at least one wide with ultra–low–pressure tire through the rear arm in the rear the wheel is mounted, successively the fuel tank to the rear of the steering wheel, and the straddle–type vehicle ing equipped with a saddle–shaped seat, in a central portion of the front fender that is arranged to cover the two front wheels above, a concave cutout recess formed in the rear, headlamp mounting structure of the straddle–type vehicle, characterized in that a headlight in cutout recess



0) FR2872699B – FAUTEUIL ROULANT PERMETTANT D'AMELIORER LE TRAN...

39) Family number: 32567332 (FR2872699B)

© PatBase

Title: FAUTEUIL ROULANT PERMETTANT D'AMELIORER LE TRANSFERT ET L'ACCES D'OBSTACLES

Priority: FR20040007460 20040706 FR20040010331 20040930

Family:

Publication number	Publication date	Application number	Application date
FR2872699 A1	20060113	FR20040010331	20040930
FR2872699 B1	20060908	FR20040010331	20040930

Probable Assignee: VEDRINES PATRICK ROBERT ALAIN

Assignee(s):(std)**:** VEDRINES PATRICK ROBERT ALAIN

Assignee(s): PATRICK ROBERT ALAIN VEDRINES

Inventor(s):(std)**:** VEDRINES PATRICK ROBERT ALAIN

Inventor(s): PATRICK ROBERT ALAIN VEDRINES

Agent(s): PATRICK VEDRINES

International class (IPC 8–9): A61G5/06 A61G5/10 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): A61G5/06

CPC: A61G5/06 A61G5/065 A61G5/10 A61G5/1054 A61G5/1083 A61G5/1089

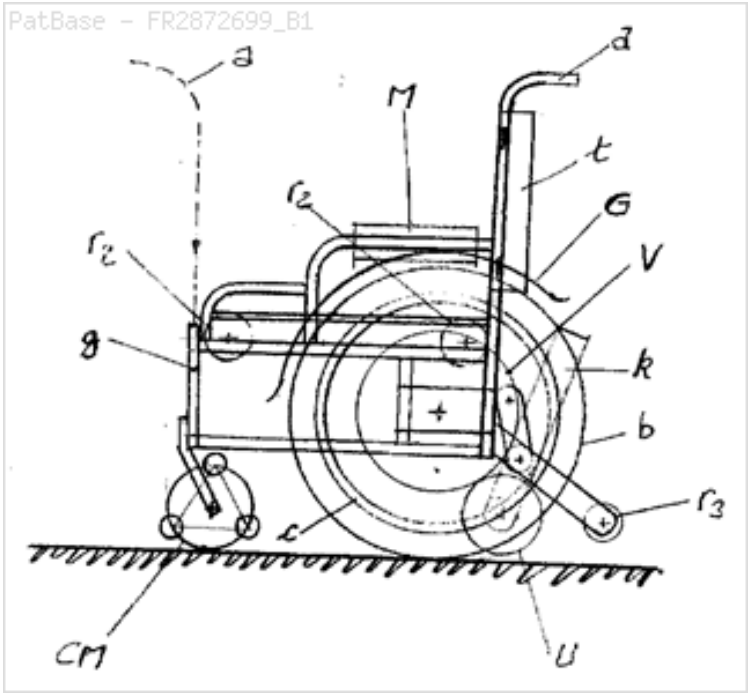
European class: A61G5/06 A61G5/06B2 A61G5/10 K61G5/10H K61G5/10Z3 K61G5/10Z5

Classification Explorer

Cited documents: US4542918 A, US4515385 A, US4375295 A, US4264085 A, US3848883 A, US3231293 A, US3214184 A, US2002125711 AA, EP1323401 A1, DE19639836 A1,

Forward Citations: US9283989, US9248857, US9145168, US9090281, US9045015,

Abstract:
Source: FR2872699B The wheelchair has two cross wheels (CM) mounted on both sides of two front wheels. Anti–tilting wheels (r3) are fixed symmetrically in two drive wheels (b) by two arms that connect the wheels (b) to a frame. A jockey wheel (U) is placed in alignment with the wheels (r3), inside the wheels (b). Two mudguards (G) protect the wheelchair against dust from the wheels (b).



0) JP3069297U – ELECTRIC GOLF CART (MACHINE TRANSLATION)

40) Family number: 42341402 (JP3069297U)

© PatBase

Title: Electric golf cart (Machine translation)

Priority: JP19990009063U 19991129 JP19990906399U 19991129

Family:

Publication number	Publication date	Application number	Application date
JP3069297 U	20000606	JP19990009063U	19991129

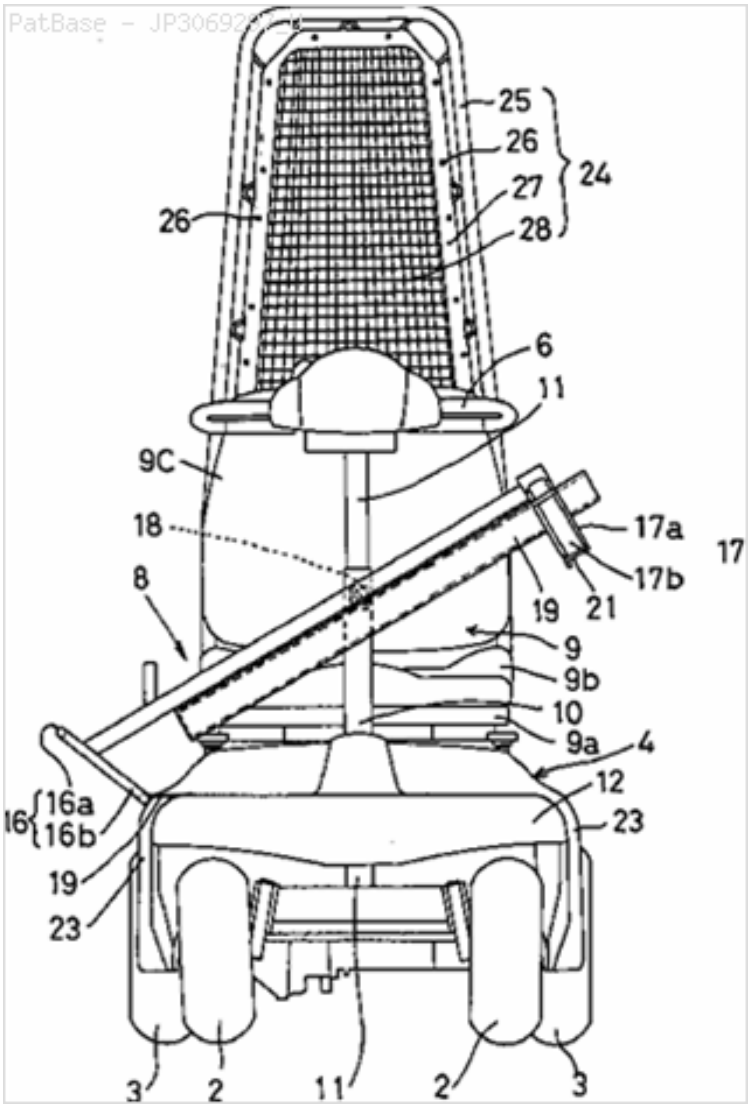
Probable Assignee: DAIWA SEIKO CO LTD

Assignee(s): DAIWA SEIKO CO LTD ; NIPPON STEEL SUMIKIN BUSSAN CO LTD

International class (IPC 1–7): A63B55/08 B62D63/02

Abstract:
Source: JP3069297U

Machine translation: [summary] Electric golf cart and easy to handle operation of addition and out of the golf club that is easy to eliminate with the shaking of the golf club and a golf bag can be loaded well stability [challenge]. In the wheel or four wheel to claim three [means, provided at the bottom of the vehicle after 8 to accommodate the battery case and the drive unit to drive the rear wheel 3, the sheet 9 is provided for the crew on the upper side of the case 8 wherein, said Golf carts will be provided post 10 provided with 20 front fender portion 13 provided with a place toward the front foot from the bottom front of the case 8, 11 and its stem to support the operation handle 6 for the front wheel above the two front wheels In one, the support post 10 of the handle stem 11 above, obliquely attached to said support member (15) Post 10 support golf bag, bag holder body 17 is provided at the top and bottom bag body 16 received in said support member (15), to be able to handle 11 obliquely to the stem carrying a golf bag.



0) GB783452A – IMPROVEMENTS IN OR RELATING TO CAR PARKING APPA...

41) Family number: 20487448 (GB783452A)

© PatBase

Title: Improvements in or relating to car parking apparatus

Priority: GB19550006207 19550302

Family:

Publication number	Publication date	Application number	Application date
GB783452 A	19570925	GB19550006207	19550302

Probable Assignee: CLIFFORD KINGSBURY FITCH

Assignee(s):(std)**:** CLIFFORD KINGSBURY FITCH

International class (IPC 8–9): E04H6/08 (Advanced/Invention); E04H6/08 (Core/Invention)

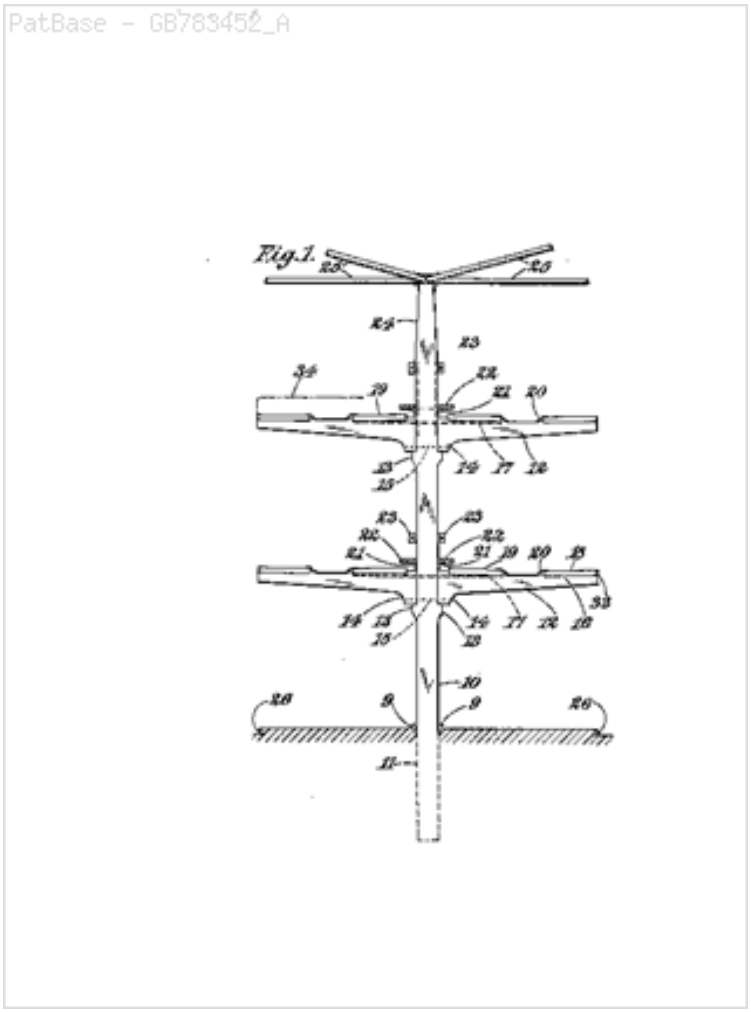
International class (IPC 1–7): E04H6/18

CPC: E04H6/08

European class: E04H6/08

Classification Explorer

Abstract:
Source: GB783452A 783,452. Garages. FITCH, C. K. Oct. 21, 1955 [March 2, 1955], No. 6207/55.. Class 20(1) [Also in Group XXX] A car parking apparatus comprises a structure provided with a number of platforms spaced one above the other and arranged to be loaded by a lift truck the lifting carriage of which carries a car supporting cradle (see Group XXX). The structure shown in Fig. 1 is constructed from concrete and comprises a row of pillars 24 supporting a roof structure 25 and provided with pairs of arms 14, wheel supporting planks 17, 18 extending between the arms of adjacent pillars, and drip trays 20 located between the planks. Stops 26 are provided to locate the truck wheels in the correct loading position. In the modification shown in Fig. 6 arms 32 are arranged in pairs, the arms of each pair being arranged one on each side of pillar 24 and adjacent pairs of arms being connected together by members 35, 36 which support planks 37 forming a continuous car supporting surface. The structure is provided with gutters 38. In various other modifications (a) the plank supporting arms'comprise beams passing through slots precast in the pillars and extending on both sides thereof (Figs. 4, 5, not shown); (b) the arrangement of arms and planks is replaced by providing at each level on each pillar two precast panels arranged edge to edge with the panels supported by the adjacent pillars (Figs. 8–10, not shown); (c) the pillars are arranged in a circle and support annular platforms; (d) the structure is constructed from rolled steel joists and pillars and (e) the platform may be corrugated (Fig. 9, not shown).



- **search:** SS3 FT=all and terrain and vehicle and fender* (Results 165)

- List: SS3 1−50 (FT=all and terrain and vehicle and fender*) (Results 165)

0) US2008023989A – ALL TERRAIN VEHICLES AND FENDER ASSEMBLIES THER...

1) Family number: 41152432 (US2008023989A) © PatBase

Title: ALL TERRAIN VEHICLES AND FENDER ASSEMBLIES THEREFOR

Priority:

AU20070277166	20070725	AU20100202017	20100519	AU20100202020	20100519
CA20072658344	20070725	US20060833885P	20060727	CA20072726108	20070725
US20070821964	20070626	US20070821972	20070626	US20070821922	20070626
US20070821970	20070626	US20070821909	20070626	US20070821963	20070626
US20070821959	20070626	US20070821921	20070626	US20070823065	20070626
WO2007US16706	20070725				

Family:

Publication number	Publication date	Application number	Application date
AU2007277166 AA	20080131	AU20070277166	20070725
AU2007277166 AB	20090305	AU20070277166	20070725
AU2007277166 BB	20110217	AU20070277166	20070725
AU2010202017 AA	20100610	AU20100202017	20100519
AU2010202017 BB	20110616	AU20100202017	20100519
AU2010202020 AA	20100610	AU20100202020	20100519
AU2010202020 BB	20110303	AU20100202020	20100519
CA2658344 AA	20090119	CA20072658344	20070725
CA2658344 C	20110405	CA20072658344	20070725
CA2726108 AA	20080131	CA20072726108	20070725
CA2726108 C	20110719	CA20072726108	20070725
CN101506028 A	20090812	CN200780028529	20070725
CN101506028 B	20120815	CN200780028529	20070725
JP2009544529 T2	20091217	JP20090521816T	20070725
JP4577796 B2	20101110	JP20090521816T	20070725
MX2009000970 A1	20090206	MX20090000970	20070725
US2008023989 AA	20080131	US20070821964	20070626
US2008023990 AA	20080131	US20070821972	20070626
US2008023991 AA	20080131	US20070823065	20070626
US2008025812 AA	20080131	US20070821922	20070626
US2009001704 AA	20090101	US20070821909	20070626
US2009001745 AA	20090101	US20070821963	20070626
US2009001762 AA	20090101	US20070821970	20070626
US2009001781 AA	20090101	US20070821959	20070626
US7438350 BA	20081021	US20070821921	20070626
US7510236 BB	20090331	US20070823065	20070626
US7523981 BB	20090428	US20070821959	20070626
US7527322 BB	20090505	US20070821909	20070626
US7527323 BB	20090505	US20070821922	20070626
US7530629 BB	20090512	US20070821970	20070626
US7537271 BB	20090526	US20070821963	20070626
US7591503 BB	20090922	US20070821972	20070626
US7597387 BB	20091006	US20070821964	20070626
WO08013841 A2	20080131	WO2007US16706	20070725
WO08013841 A3	20081030	WO2007US16706	20070725

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** ALEXANDER MATTHEW ; BATDORF SCOTT DANIEL ; BLANFORD SCOTT ; BLANFORD SCOTT THOMAS ; HLOPICK STEPHEN ; KING DARIN D ; ITAYA ASAO ; HONDA MOTOR CO LTD ; KARUBE SHINICHI ; KAWAMURA MITSUYA ; SELLARS

DANIEL THOMAS ; PETERSON MICHAEL V ; VERA JESSICA ; MIYAZAKI HIROYUKI ; SCHROEDER ANTHONY M ; RENNER NICHOLAS ; TOKUDA YOSHIHITO ; YAMAZUMI HIDEAKI ; NOLT DARYL

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

Inventor(s):(std)**:** YAMAZUMI HIDEAKI ; VERA JESSICA ; TOKUDA YOSHIHITO ; SELLARS DANIEL THOMAS ; SCHROEDER ANTHONY M ; RENNER NICHOLAS ; PETERSON MICHAEL V ; NOLT DARYL ; MIYAZAKI HIROYUKI ; KING DARIN D ; KAWAMURA MITSUYA ; KARUBE SHINICHI ; ITAYA ASAO ; HLOPICK STEPHEN ; HIROYUKI MIYAZAKI ; DARYL NOLT ; DANIEL BATDORF SCOTT ; BLANFORD SCOTT THOMAS ; BLANFORD SCOTT ; BATDORF SCOTT DANIEL ; ALEXANDER MATTHEW ; THOMAS SELLARS DANIEL ; THOMAS BLANFORD SCOTT ; YOSHIHITO TOKUDA ; STEPHEN HLOPICK ; SHINICHI KARUBE ; MATTHEW ALEXANDER ; JESSICA VERA ; HIDEAKI YAMAZUMI ; NICHOLAS RENNER ; MITSUYA KAWAMURA ; ASAO ITAYA

Inventor(s): ANTHONY M SCHROEDER ; MICHAEL V PETERSON ; SCOTT BLANFORD ; DARIN D KING ; DANIEL THOMAS SELLARS ; SCOTT THOMAS BLANFORD ; SCOTT DANIEL BATDORF

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PARLEE MCLAWS LLP; HAUGEN J JAY; ULMER AND BERNE LLP; ULMER AND BERNE LLP ATTN DIANE BELL; ROBBINS ERIC M 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): B60N2/38 B62D24/04 B62D25/16 B62D25/18 B62D27/00 B62D65/16 B62J1/02 B62J1/12 B62J15/00 B62J15/02 B62J35/00 B62K19/24 B62K5/00 B62K5/01 B62K5/08 F16B39/28 F16B39/284 F16L3/08 (Advanced/Invention);
B60N2/24 B62D24/00 B62D25/16 B62D27/00 B62D65/00 B62J1/00 B62J15/00 B62J35/00 B62K19/00 B62K5/00 F16B39/00 F16L3/08 (Core/Invention)

CPC: B62J15/00 B62D29/048 F16B5/02 F16B19/1045 B62J1/12 B62D21/183 B62D25/166 Y10T29/49622 B62D25/163 B62J17/00 B62K5/01

European class: B62D21/18B B62D25/16C B62D25/16C3 B62D29/04D B62J1/12 B62J15/00 B62J17/00 B62K5/01 F16B5/02 R16B19/10B2B

US class: 248/65 248/65S 280/154 280/847 280/848 280/848P 280/854 29/897.2 29/897.200S 296/181.1 296/181.2 296/191 296/198 296/198P 296/208 296/29 296/30 296/30P 296/35.1 296/65.02 296/901.01 297/209 297/209P 411/172 411/57.1 411/57.100P

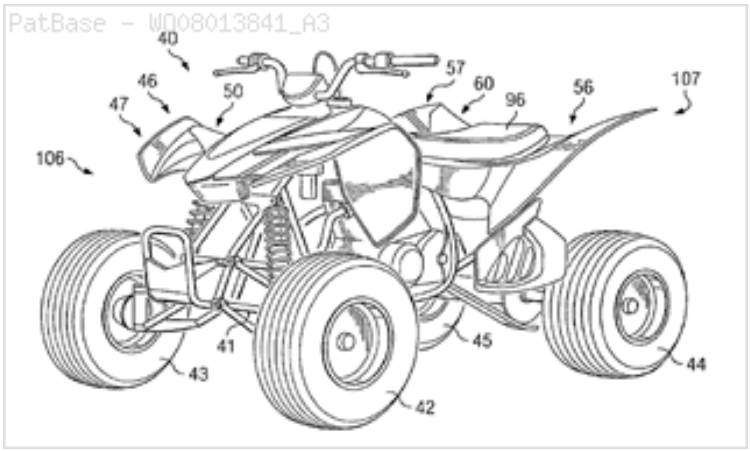
Classification Explorer

Cited documents: USRE33769 E, USD522410 S1, USD518423 S1, USD516466 S1, USD512001 S1, USD511318 S1, USD508667 S1, USD485213 S1, USD485212 S1, USD448325 S1, USD446475 S1, USD445363 S1, USD440188 S1, USD438823 S1, USD436895 S1, USD432053 S1, USD412464 S1, USD383969 S1, USD349087 S1, USD349078 S1, USD326436 S1, US821751 A, US7537271 BB, US7530629 BB, US7527323 BB, US7527322 BB, US7527313 BB, US7523981 BB, US7510236 BB, US7438350 BA, US7331593 BB, US7287797 BA, US7124844 BB, US7118138 BA, US7104581 BB, US7097207 BB, US7093684 BB, US7086691 BB, US7055889 BB, US7044527 BB, US7036837 BA, US7001128 BB, US7000318 BB, US6923282 BB, US6918627 BB, US6913099 BB, US6892842 BB, US6874590 BB, US6805214 BB, US6769850 BB, US6761241 BB, US6736434 BB, US6682085 BB, US6659701 BA, US6644759 BA, US6644756 BA, US6594870 BA, US6588536 BA, US6578889 BB, US6533055 BB, US6523634 BA, US6520275 BB, US6502863 BA, US6493920 BA, US6457768 BA, US6446994 BA, US6439649 BA, US6394537 BA, US6382675 BA, US6315250 BA, US6283689 BA, US6273207 BA, US6267422 BA, US6164885 A, US6131284 A, US6129370 A, US6073991 A, US6053272 A, US6019403 A, US6016943 A, US5984242 A, US5975625 A, US5876085 A, US5871320 A, US5848815 A, US5634734 A, US5575528 A, US5573300 A, US5542158 A, US5536125 A, US5533237 A, US5409283 A, US5342106 A, US5340154 A, US533028 A, US5330028 A, US5301997 A, US5248176 A, US5108129 A, US5106249 A, US5090105 A, US5054844 A, US5022804 A, US5014637 A, US5007779 A, US4982973 A, US4973102 A, US4913256 A, US4822067 A, US4818164 A, US4787258 A, US4781258 A, US4705422 A, US4535869 A, US4447067 A, US4268052 A, US4198092 A, US4063334 A, US4030773 A, US4011637 A, US3809427 A, US3525548 A, US3446527 A, US3261422 A, US3217772 A, US2940496 A, US2908311 A, US2733772 A, US2729463 A, US2006278462 AA, US2006131827 AA, US2006048993 AA, US2004241335 AA, US2004207190 AA,

US2004188156 AA, US2004134952 AA, US2003116937 AA, US1958678 A, US1600224 A, US1403553 A, US1355715 A, US1352798 A, JPS6189186, JPS61135870, JPS6034964 U, JP61135870 A2, JP61089186 A2, JP60034964 U1, JP2000025669 A2,

Forward Citations: USD673236, USD605086, USD604672, USD602812, USD601060, US9481402, US9216673, US9156384, US9151352, US9150102, US9140588, US9140587, US9134149, US9134148, US8960725, US8905465, US8905179, US8864204, US8864157, US8863883, US8851557, US8844999, US8822850, US8822849, US8820464, US8813895, US8779305, US8632043, US8540047, US8419104, US8316982, US8196887, US8091675, US8051941, US8028786, US8002071, US7802841, US7597387, US7591503, US7581784, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US2016075405, US2014062058, US2013313861, US2013193717, US2013153325, US2012223211, US2012090908, US2011198888, US2011147096, US2011073381, US2011000719, US2009301794, US2009212190, US2009139774, US2008157562, US2008023990, US2007114814, EP2657108, CN103375079,

Abstract:
Source: US2008023989A Vehicles, such as all terrain vehicles, can be provided with a frame and a fender assembly. The fender assembly can have layered fender panels attached together with a bolt and T−nut. A channel can be formed between the fender panels to facilitate passage of fluid along a predetermined pathway. A seat includes a compression surface for sandwiching the fender assembly with respect to the frame. Front and rear fender assemblies can be attached to the frame by a midpoint fastener passing through respective apertures in each of the front and rear fender assemblies, through a grommet, and into the frame. A stay assembly attaches a mudguard to the fender assembly, and can involve a swivel clip. Methods are also provided.



0) US2008023249A – SIDE–BY–SIDE ATV

2) Family number: 41151856 (US2008023249A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority:
CN200680055961 20061219 EP20060845748 20061219 US20060494891 20060728
US20060270278F 20061219 EP20120164612 20061219 EP20120164622 20061219
WO2006US48306 20061219 US20090409176 20090323 US20100925560 20101025
US20080307616F 20080430 US20130776588 20130225 US20130094747 20131202

Family:

Publication number	Publication date	Application number	Application date
AU2006346807 AA	20080207	AU20060346807	20061219
AU2006346807 BB	20120412	AU20060346807	20061219
CN101878146 A	20101103	CN200680055961	20061219
CN101878146 B	20130529	CN200680055961	20061219
CN103264726 A	20130828	CN201310141514	20061219
CN103264726 B	20151223	CN201310141514	20061219
CN300790424 D	20080611	CN200730002804F	20070126
DE602006033399 D1	20130124	DE200660033399T	20061219
DE602006038630 D1	20131121	DE200660038630T	20061219
DE602006042979 D1	20141016	DE200660042979T	20061219
EP2057060 A2	20090513	EP20060845748	20061219
EP2057060 B1	20121128	EP20060845748	20061219
EP2484578 A1	20120808	EP20120164622	20061219
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EP2500242 A1	20120919	EP20120164612	20061219
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ES2400092 T3	20130405	ES20060845748T	20061219
ES2436204 T3	20131227	ES20120164612T	20061219
ES2524409 T3	20141209	ES20120164622T	20061219
HK1174883 A1	20150731	HK20130101841	20130208
HK1175752 A1	20140530	HK20130103302	20130318
MX2009000806 A1	20090306	MX20090000806	20061219
US2008023249 AA	20080131	US20060494891	20060728
US2009178871 AA	20090716	US20090409176	20090323
US2011048828 AA	20110303	US20100925560	20101025
US2013161109 AA	20130627	US20130776588	20130225
US2014090918 AA	20140403	US20130094747	20131202
US7819220 BB	20101026	US20060494891	20060728
US8382125 BB	20130226	US20090409176	20090323
US8596405 BB	20131203	US20100925560	20101025
US9434244 BB	20160906	US20130776588	20130225
USD665305 S1	20120814	US20080307616F	20080430
WO08016377 A2	20080207	WO2006US48306	20061219
WO08016377 A3	20100107	WO2006US48306	20061219
WO08045119 A1	20080417	WO2006US62180	20061215
ZA200901196 A	20100224	ZA20090001196	20090219

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** DECKARD AARON DAVID ; ECK RICHARD E ; MCCOUBREY THOMAS SAMUEL PARKS ; MEYER ALAN A ; POLARIS INC ; PLUGGE JASON CARD ; PLUGGE JASON CARL ; PARKS MCCOUBREY THOMAS SAMUEL ; WHITE GEOFFREY G ; SUNSDAHL

LARRY RICHARD ; TULLEMANS MARCUS JOHANNES ; RENGEL LAURIE JEAN ; SUNSDAHL RICHARD LARRY ; RENGAL LAURIE JEAN ; SAFRANSKI BRIAN MICHAEL

Assignee(s): POLARIS IND ; POLARIS IND INC MEDINA ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** CARD PLUGGE JASON ; CARL JASON ; DAVID DECKARD AARON ; DECKARD AARON ; DECKARD AARON D ; DECKARD AARON DAVID ; ECK RICHARD ; ECK RICHARD E ; JEAN RENGEL LAURIE ; JOHANNES TULLEMANS MARCUS ; MCCOUBREY THOMAS S P ; MCCOUBREY THOMAS SAMUEL ; MCCOUBREY THOMAS SAMUEL PARKS ; MEYER ALAN ; MEYER ALAN A ; MICHAEL SAFRANSKI BRIAN ; PARKS MCCOUBREY THOMAS SAMUEL ; PLUGGE JASON ; PLUGGE JASON C ; PLUGGE JASON CARD ; PLUGGE JASON CARL ; RENGAL LAURIE JEAN ; RENGEL LAURIE ; RENGEL LAURIE J ; RENGEL LAURIE JEAN ; RICHARD SUNSDAHL LARRY ; SAFRANSKI BRIAN M ; SAFRANSKI BRIAN MICHAEL ; SAFRANSKI BRIAN MICHEAL ; SUNSDAHL LARRY ; SUNSDAHL LARRY RICHARD ; TULLEMANS MARCUS ; TULLEMANS MARCUS J ; TULLEMANS MARCUS JOHANNES ; SUNSDAHL RICHARD L ; SUNSDAHL RICHARD LARRY ; WHITE GEOFFREY ; WHITE GEOFFREY G

Inventor(s): WHITE GEOFFREY G NORWAY ; THOMAS SAMUEL PARKS MCCOUBREY ; TULLEMANS MARCUS JOHANNES EDEN PRAIRIE ; SUNSDAHL LARRY RICHARD ROSEAU ; SAFRANSKI BRIAN MICHAEL STRANDQUIST ; SAFRANSKI BRIAN MICHAEL STRANQUIST ; RENGEL LAURIE JEAN MAPLE GROVE ; RICHARD E ECK ; PLUGGE JASON CARL COON RAPIDS ; AARON DAVID DECKARD ; ALAN A MEYER ; PLUGGE JASON CARD COON RAPIDS ; MEYER ALAN A EDINA ; MEYER ALAN A LIVERMORE ; MCCOUBREY THOMAS SAMUEL PARKS STE ANNE ; LARRY RICHARD SUNSDAHL ; LAURIE JEAN RENGEL ; MARCUS JOHANNES TULLEMANS ; ECK RICHARD E MINNEAPOLIS ; GEOFFREY G WHITE ; JASON CARD PLUGGE ; JASON CARL PLUGGE ; DECKARD AARON DAVID LINDSTROM ; DECKARD AARON DAVID ZIONSVILLE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; REUTELER AND CIE SA; RODRIGUEZ FRANCISCO JOSE; LOPEZ MARIA EMILIA; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; YERKESON DOUGLAS A

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 ME 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)**:** B60G21/055 B60K11/00 B60K11/08 B60K17/00 B60K17/02 B60K17/34 B60K17/348 B60K5/00 B60N2/01 B62D21/03 B62D21/18 B62D21/20 B62D25/10 B62D31/00 (Advanced/Invention); B60K11/00 B60K17/34 B62D21/18 B62D31/00 (Core/Invention); B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/348 B60K5/00 B62D21/183

European class: B62D21/18B

US class: 1/1 180/233 180/291 180/292 180/312 180/337 180/337S 180/68.1 180/68.100P 180/68.2 180/69.2 180/69.200S 180/89.1 280/124.106 280/124.152 280/5.502 280/5.506 280/5.507 280/5.511 280/781 D12/14

Locarno class: 12/08 12/13

Classification Explorer

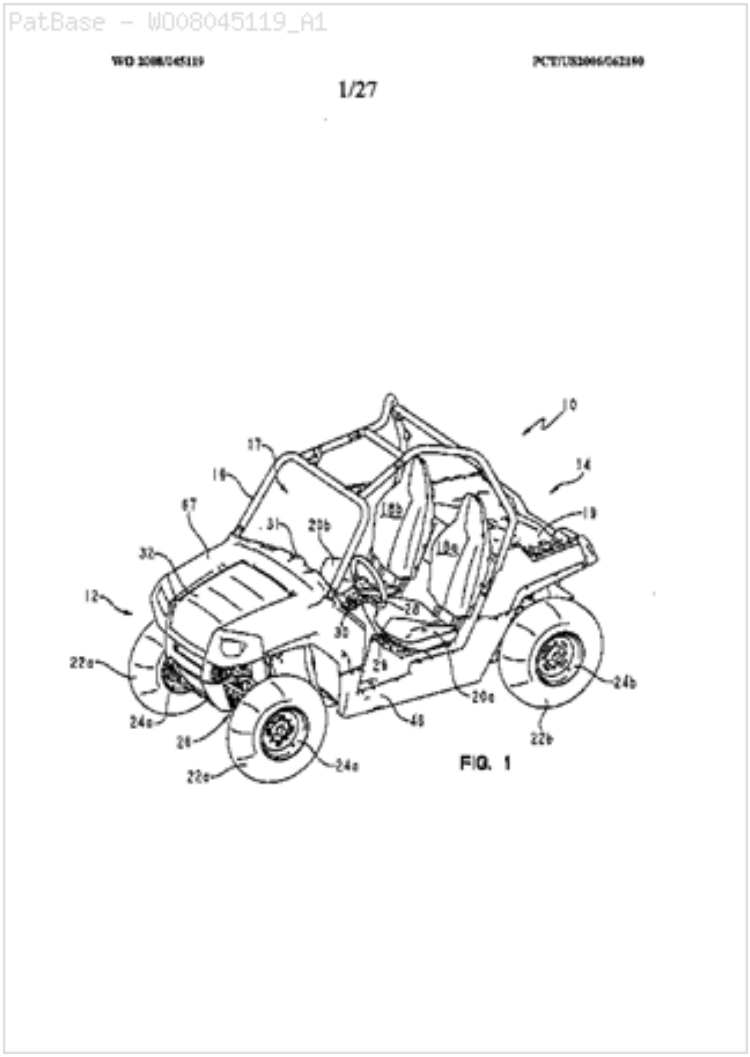
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Forward Citations: WO17017506, WO15054311, WO15035013, WO14143953, WO14138559, WO14134610, WO14130611, WO14130611, WO14115175, WO14115175, WO14093821, WO14059258, WO14039433, WO14039432, WO14039432, WO13166310, WO13149106, WO13116459, WO12109546, WO12106412, WO12082745, WO11004093, WO09008779, USD764974, USD764973, USD762522, USD722536, USD715689, USD701469, USD699627, USD694668, USD681508, USD675960, USD660746, USD636295, USD631395, USD601058, US9592782, US9592713, US9586627, US9555701, US9545838, US9506393, US9452789, US9452669, US9393894, US9365251, US9327587, US9321494, US9266417, US9227507, US9217501, US9211924, US9180801, US9152607, US9075699, US9063832, US9010768, US9004510, US8998253, US8998216, US8997908, US8973693, US8967318, US8944449, US8911312, US8834307, US8827028, US8827020, US8827019, US8801015, US8746719, US8640814, US8613337, US8613336, US8613335, US8596406, US8596405, US8556015, US8522911, US8517136, US8485303, US8464827, US8459671, US8430444, US8382125, US8381855, US8342283, US8328235, US8317257, US8313121, US8302711, US8251170, US8205910, US8196696, US8167072, US8157039, US8132827, US8100434, US8079602, US8037959, US8029021, US7950486, US7874605, US7871106, US7819220, US7802816, US7795602, US7717495, US2016280058, US2015274212, US2015274199, US2014224564, US2014209404, US2013008736, US2012217078, US2012193163, US2012160592, US2011240394, US2011240393, US2011174567, US2011094816, US2011094811, US2011048828, US2011012334, US2010326757, US2010194087, US2010155170,

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Abstract:
Source: US2008023249A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US2001040063A – ENGINE CRADLE FOR A VEHICLE

3) Family number: 31380924 (US2001040063A) © PatBase

Title: Engine cradle for a vehicle

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Inventor(s):(std)**:** AUBE MARTIN ; AUDET MATHIEU ; BEDARD YVON ; BERTHOLD FECTEAU ; BERTRAND ERIC ; BRUNO GIROUARD ; COTE MARIO ; DION ANNE MARIE ; FECTEAU BERTHOLD ; FECTEAU BERTHOLD US ; FOURNIER ANDRE ; GILBERT ANDRE ; GIROUARD BRUNO ; GIROUARD BRUNO 87721201A ; LANGLAIS STEVE ; MALLETTE BERTRAND ; MASSICOTTE ALAIN ; MERCIER DANIEL ; RASIDESCU MIHAI ; SAVOIE PIERRE ; TALBOT JEAN GUY ; WATSON PETER ; WUBBOLTS JER DOT OVER OME ; WUBBOLTS JEROME

Inventor(s): WUBBOLTS JER DOT OVER ; GIROUARD BRUNO 23738400P

Agent(s): SMART AND BIGGAR; OSLER HOSKIN AND HARCOURT LLP; BCF LLP; SOLF ALEXANDER; 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; PILLSBURY WINTHROP SHAW PITTMAN LLP; BRP LEGAL SERVICES

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

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Classification Explorer

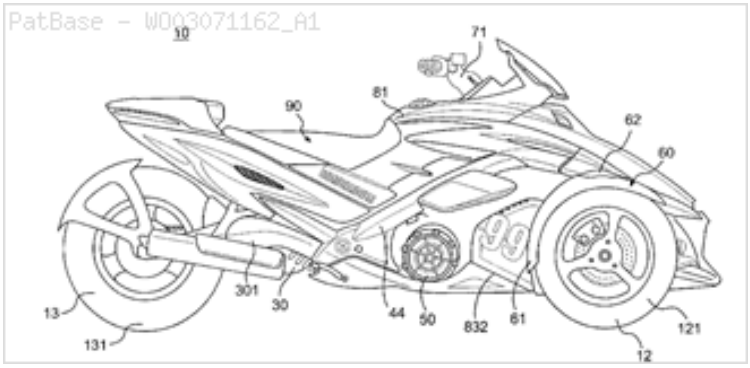
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Abstract:
Source: US2001040063A An engine cradle adapted for receiving an engine includes a left side wall defining a C−shaped opening therein. The engine cradle also includes a right side wall, which is essentially a solid wall that provides a reflective surface for reflecting heat to the engine when contained within the engine cradle. The engine cradle also includes a front wall connected between forward portions of the left and right side walls. The engine cradle also includes a bottom panel and a rear panel connected between bottom portions of the front, left side, and right side walls.



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

4) Family number: 56778292 (US2014265431A) © PatBase

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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WO14099197 A1	20140626	WO2013US70498	20131118

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Assignee(s): GARTH L MAGEE

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

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

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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

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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 diposed 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.

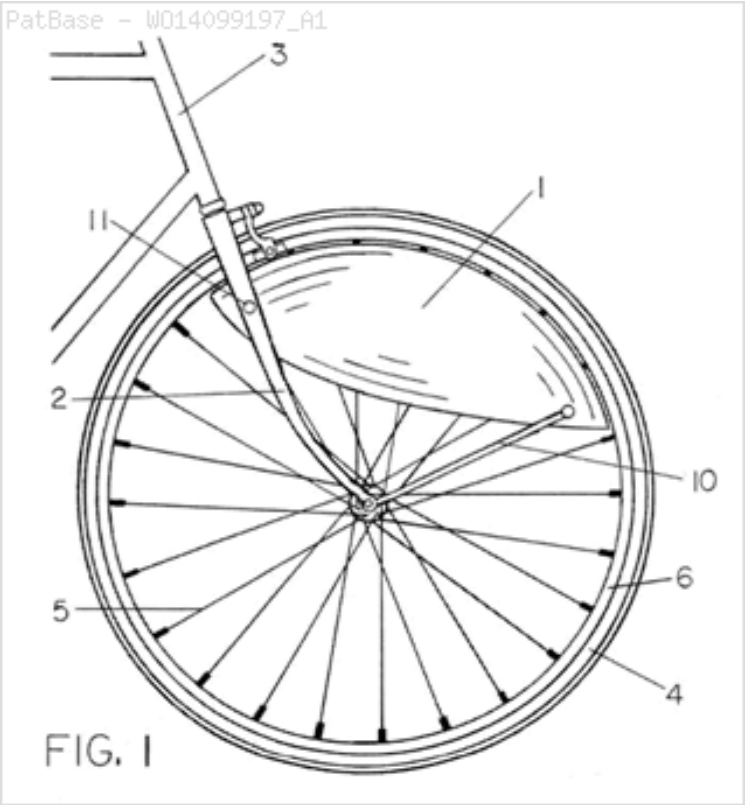


FIG. 1

0) US2008023240A – SIDE–BY–SIDE ATV

5) Family number: 41151868 (US2008023240A) © PatBase

Title: SIDE–BY–SIDE ATV

Priority: CN200680055951 20061219 EP20060849980 20061219 US20060494890 20060728 US20140478689 20140905 US20140478700 20140905 US20130776588 20130225 WO2006US48369 20061219

Family:

Publication number	Publication date	Application number	Application date
AT518727 E	20110815	AT20060849980T	20061219
AU2006346500 AA	20080131	AU20060346500	20061219
AU2006346500 AB	20090319	AU20060346500	20061219
AU2006346500 BB	20120517	AU20060346500	20061219
CN101511664 A	20090819	CN200680055951	20061219
CN101511664 B	20140402	CN200680055951	20061219
CN103879454 A	20140625	CN201410069269	20061219
CN103879454 B	20170412	CN201410069269	20061219
DE602006023576 D1	20111006	DE200660023576T	20061219
EP2046625 A1	20090415	EP20060849980	20061219
EP2046625 B1	20110803	EP20060849980	20061219
ES2370340 T3	20111214	ES20060849980T	20061219
HK1134666 A1	20141128	HK20100101653	20100212
HK1199430 A1	20150703	HK20140112986	20141225
MX2009000807 A1	20090203	MX20090000807	20061219
US2008023240 AA	20080131	US20060494890	20060728
US2014374183 AA	20141225	US20140478689	20140905
US2014374184 AA	20141225	US20140478700	20140905
US8827028 BB	20140909	US20060494890	20060728
WO08013564 A1	20080131	WO2006US48369	20061219
ZA200901197 A	20100127	ZA20090001197	20090219

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; POLARIS INC ; TULLEMANS MARCUS JOHANNES ; SUNSDAHL LARRY RICHARD ; SUNSDAHL RICHARD LARRY ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G

Assignee(s): POLARIS IND INC MEDINA ; POLARIS IND ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** DECKARD AARON DAVID ; MEYER ALAN A ; PLUGGE JASON CARL ; SUNSDAHL LARRY RICHARD ; TULLEMANS MARCUS JOHANNES ; WHITE GEOFFREY G ; SAFRANSKI BRIAN MICHAEL ; WHITE GEOFFREY G G ; RICHARD SUNSDAHL LARRY ; MICHAEL SAFRANSKI BRIAN ; MEYER ALAN A A ; JOHANNES TULLEMANS MARCUS ; DAVID DECKARD AARON ; CARL PLUGGE JASON ; SUNSDAHL RICHARD LARRY

Inventor(s): PLUGGE JASON CARL COON RAPIDS ; MEYER ALAN A EDINA ; MARCUS JOHANNES TULLEMANS ; LARRY RICHARD SUNSDAHL ; JASON CARL PLUGGE ; GEOFFREY G WHITE ; DECKARD AARON DAVID LINDSTROM ; ALAN A MEYER ; AARON DAVID DECKARD ; WHITE GEOFFREY G NORWAY ; TULLEMANS MARCUS JOHANNES EDEN PRAIRIE ; SUNSDAHL LARRY RICHARD ROSEAU ; SAFRANSKI BRIAN MICHAEL STRANDQUIST

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; REUTELER AND CIE SA; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; YERKESON DOUGLAS A

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 (IPC 8–9): B60K11/00 B60K17/35 B60K5/00 B60K5/12 B60N2/01 B62D21/00 B62D21/18 B62D33/06 (Advanced/Invention);
B60K11/00 B62D21/00 B62D21/18 (Core/Invention);
B62D (Subclass/Invention)

CPC: B60N2/01 B60K17/35 B60K5/12 B62D33/0617 B62D21/183

European class: B62D21/18B

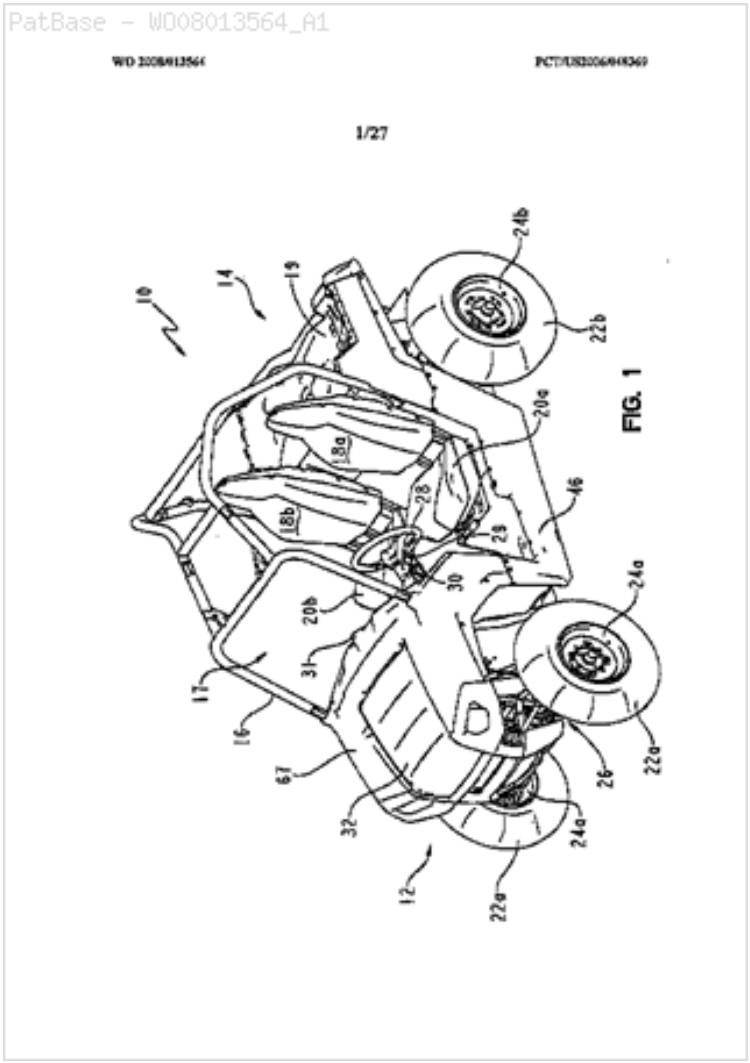
US class: 180/233 180/233 180/292 180/312 180/312S 180/68.2 180/68.200P

Classification Explorer

Cited documents: USD605555 S1, USD604201 S1, USD595613 S1, USD578934 S1, USD578433 S1, USD511317 S1, USD494890 S1, USD436557 S1, USD237873 S1, US8746719 BB, US8662239 BB, US8499882 BB, US8464827 BB, US8225901 BB, US8215443 BB, US8100434 BB, US8052202 BB, US7658258 BB, US7600769 BB, US7588010 BB, US7513329 BB, US7438156 BB, US7438153 BB, US7396066 BB, US7367417 BB, US7367247 BB, US7357211 BB, US7347490 BB, US7195001 BA, US7168516 BB, US6892847 BB, US6887182 BB, US6868932 BA, US6820708 BB, US6799781 BB, US6799779 BB, US6722463 BA, US6631775 BA, US6626260 BB, US6523634 BA, US6523627 BB, US6467787 BA, US6412585 BA, US6161843 A, US6149540 A, US6142123 A, US6070689 A, US6056078 A, US6054844 A, US5954364 A, US5950748 A, US5833023 A, US5819702 A, US5513721 A, US5477936 A, US5374081 A, US5373910 A, US5327989 A, US5251713 A, US5234247 A, US5193635 A, US5147003 A, US5036938 A, US5033567 A, US4934737 A, US4896899 A, US4817985 A, US4811970 A, US4798400 A, US4773675 A, US4721178 A, US4696508 A, US4693134 A, US4561323 A, US4505169 A, US4484765 A, US4385894 A, US4377094 A, US4369674 A, US4358967 A, US4358072 A, US4342533 A, US4340123 A, US4274502 A, US4229018 A, US4217970 A, US4026378 A, US3858901 A, US3829117 A, US3760770 A, US3709314 A, US3688493 A, US3686978 A, US3580350 A, US3407893 A, US34030106, US3401763 A, US3366411 A, US3331464 A, US3282369 A, US3246716 A, US2576017 A, US2468809 A, US2014034409 AA, US2013319785 AA, US2013319784 AA, US2013294856 AA, US2013234412 AA, US2013075183 AA, US2013048407 AA, US2013048406 AA, US2012223500 AA, US2012193163 AA, US2011209937 AA, US2011094818 AA, US2011024258 AA, US2010078256 AA, US2009178871 AA, US2008308334 AA, US2008023249 AA, US2008023240 AA, US2007267241 AA, US2007256882 AA, US2007221430 AA, US2007170681 AA, US2007024044 AA, US2007000715 AA, US2006289224 AA, US2006273539 AA, US2006219463 AA, US2006180383 AA, US2006065231 AA, US2006032690 AA, US2005280254 AA, US2005279541 AA, US2005247505 AA, US2005211492 AA, US2005173180 AA, US2005173177 AA, US2005161934 AA, US2005006168 AA, US2004262985 AA, US2004206567 AA, US2004195797 AA, US2004195034 AA, US2004195028 AA, US2004195019 AA, US2004031639 AA, US1791815 A, US1648536 A, DE737529,

Forward Citations: WO14134610, WO13165901, WO13149106, WO13149106, WO12106412, WO11152817, WO09137579, USD636295, USD631395, USD597890, USD595613, US9592782, US9592713, US9539871, US9469336, US9434244, US9370999, US9365251, US9327587, US9321494, US9217501, US9211924, US9186952, US9180801, US9010768, US9004510, US8998253, US8827028, US8827020, US8827019, US8746719, US8696006, US8657060, US8640814, US8613337, US8613336, US8613335, US8596405, US8464827, US8382125, US8328235, US8302711, US8205910, US8196696, US8167072, US8157039, US8132827, US8079602, US8029021, US7950486, US7871106, US7819220, US7795602, US7717495, US2016221636, US2016185171, US2015224874, US2015090515, US2014262584, US2014209404, US2013127146, US2012160592, US2011048828, US2010155170, US2009302590, US2009301830, US2009178871, US2009121518, US2009091101, US2009071739, US2009000849, US2008308334, US2008023249, EP2698274, CN105142938, CN104321241, CN104203614, CN103221240, CN103221240, CN102126521, CN102056788,

Abstract:
Source: US2008023240A The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces. More particularly, the present invention relates to trail compliant side−by−side all terrain vehicles.



0) US2002027038A – ALL TERRAIN VEHICLE

6) Family number: 30317801 (US2002027038A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: CA19992276648 19990623 US19990338749 19990623 US20010013866 20011213 US20010930271 20010816 US20020217611 20020814

Family:

Publication number	Publication date	Application number	Application date
CA2276648 AA	20001223	CA19992276648	19990623
US2002027038 AA	20020307	US20010930271	20010816
US2002185325 AA	20021212	US20020217611	20020814
US2003034195 AA	20030220	US20010013866	20011213
US6296073 BA	20011002	US19990338749	19990623
US6637539 BB	20031028	US20010930271	20010816
US6648093 BB	20031118	US20010013866	20011213
US6691815 BB	20040217	US20020217611	20020814

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; GAGNON CLAUDE ; HOLZLEITNER JOHANN ; RIOUX ROGER ; BANK OF MONTREAL

Inventor(s):(std)**:** GAGNON CLAUDE ; HOLZLEITNER JOHANN ; RIOUX ROGER

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** B60K17/34 B60K5/02 (Advanced/Invention)

International class (IPC 1–7)**:** B60K1/00 B60K17/00 B60K17/34 B60K31/00 B60K5/00 B60K5/02 B60K8/00

CPC: Y10S180/908 B60K17/34 B60K5/02 Y10T74/2173 Y10T74/2186

European class: B60K17/34 B60K5/02

US class: 180/233 180/247 180/291 180/292 180/300 180/311 180/312 180/315 180/339 180/376 180/68.6 180/89.17 180/908 188/79.57 192/113.1 74/595 74/606R

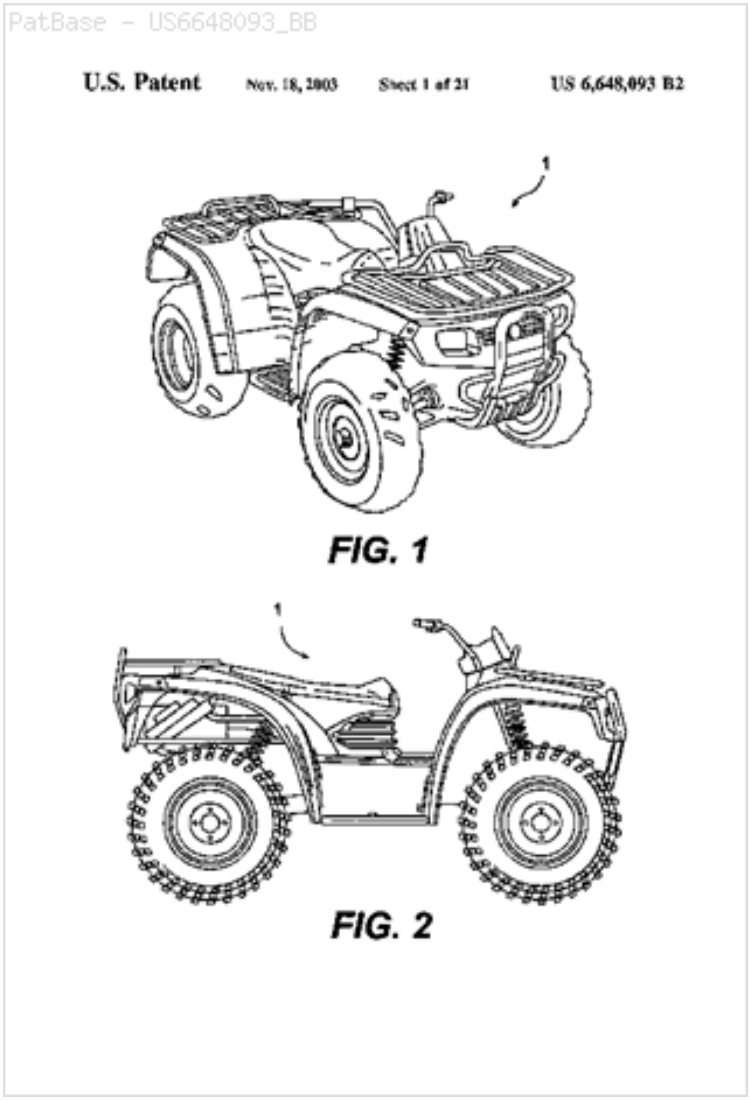
Classification Explorer

Cited documents: US6394243 BA, US6371267 BA, US6360864 BA, US6354422 BA, US6296073 BA, US6290047 BA, US6161672 A, US6076624 A, US6068334 A, US6056080 A, US6029638 A, US5918692 A, US5890983 A, US5823309 A, US5803219 A, US5794748 A, US5740878 A, US5704457 A, US5649457 A, US5641180 A, US5636608 A, US5575352 A, US5570757 A, US5558059 A, US5526909 A, US5515940 A, US5505278 A, US5365804 A, US5335641 A, US5332060 A, US5323870 A, US5305848 A, US5305847 A, US5295412 A, US5060745 A, US5044458 A, US5005662 A, US4915070 A, US4876991 A, US4804056 A, US4770262 A, US4736809 A, US4727967 A, US4723624 A, US4722235 A, US4719819 A, US4714126 A, US4704920 A, US4699234 A, US4666015 A, US4632071 A, US4606429 A, US4602696 A, US4207960 A, US4181192 A, US3990541 A, US3776354 A, US3773132 A, US3662849 A, US1210754 A, JPS62110528, JP62110528 A2, JP2112622 A2, CA2153721 AA,

Forward Citations: USD595188, USD492916, USD488746, USD488745, US9266580, US9205733, US9052007, US8985260, US8944207, US8820290, US8783720, US8622428, US8596398, US8567546, US8499736, US8297394, US8261899, US8196692, US8191930, US8191929, US8191677, US8091657, US8075007, US8061467, US8042636, US7984781, US7980629, US7954853, US7942447, US7845452, US7770907, US7753187, US7717223, US7717206, US7708099, US7694597, US7690472, US7690462, US7669686, US7658411, US7650959, US7644791, US7607368, US7591332, US7543832, US7537499, US7533755, US7510199, US7506714, US7506712, US7484481, US7445075, US7445070, US7438147, US7367417, US7357211, US7353898, US7343998, US7311016, US7287619, US7258192, US7147075, US7121371, US6978857, US6968917, US6959934, US6863146, US6823960, US6755269, US6725962, US6705680, US6694836,

US6691815, US6659566, US6637539, US6625966, US6591930, US2016152126, US2015013120, US2014251714, US2013139635, US2011198831, US2011198830, US2011168468, US2011073066, US2011011695, US2010194088, US2010108428, US2010050961, US2009250282, US2009206626, US2009095547, US2009071738, US2008284124, US2008283327, US2008283326, US2008257630, US2008236918, US2008076585, US2008053727, US2008015066, US2008015065, US2007295547, US2007295159, US2007278026, US2007257516, US2007257479, US2007170683, US2007170681, US2007158161, US2007089552, US2006228228, US2006197331, US2006192375, US2006186699, US2006185630, US2006169512, US2006019790, US2005247506, US2005150706, US2005120763, US2004252926, US2004231900, US2004228919, US2004216945, US2004216942, US2004206568, US2004206567, US2004195034, US2004195028, US2004195019, US2004195018, US2004135342, US2004134707, US2004129485, US2004129484, US2004113389, US2004112669, US2004112658, US2004108158, US2004099075, US2004084239, US2004079561, US2003221893, US2003213628, US2003102694, TWI388450, TWI359753, EP1695897, EP1695897,

Abstract:
Source: US2002027038A Disclosed is an all terrain vehicle with an improved engine and power train. The engine is located under the seat and the hingably seat provides for ready access to the engine for maintenance and repair. The engine is placed in the vehicle such that the crankshaft is parallel to the line of travel; that is to say that the crankshaft is in line with the longitudinal axis of the vehicle. The engine has a split output shaft; that is to say, two output shafts. One shaft extends forwardly of the engine to a front transmission on the front axle and the second extends rearwardly to a rear transmission on the rear axle. The output shafts run directly to the transmissions in a straight line. The front and rear output shafts are connected by gears which enables different ratios of revolution between the front and rear axle if necessary. The all terrain vehicle is also equipped with a unique parking gear which essentially locks the two output shafts to the transmission housing. There are a number of intermediate shafts such that power is transmitted from the crankshaft through two transmissions prior to reaching the output shafts. In addition, the gas tank is remote from the engine such that the cylinder head can be easily removed from the engine for servicing, repair and maintenance.



0) US2007295546A – ALL–TERRAIN VEHICLE

7) Family number: 33510677 (US2007295546A) © PatBase

Title: ALL–TERRAIN VEHICLE

Priority: US20050669929 20050411 US20050669929P 20050411 US20060813130 20060411 US20070849612 20070904 WO2006US13373 20060411

Family:

Publication number	Publication date	Application number	Application date
CN101155723 A	20080402	CN200680011201	20060411
CN101155723 B	20100519	CN200680011201	20060411
IN07280DN2007 A	20071026	IN2007DN07280	20070920
US2007295546 AA	20071227	US20070849612	20070904
US2008217081 AA	20080911	US20060813130	20060411
US7637338 BB	20091229	US20070849612	20070904
US7647996 BB	20100119	US20060813130	20060411
WO06110687 A2	20061019	WO2006US13373	20060411
WO06110687 A3	20070118	WO2006US13373	20060411

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BELZILE DAVID ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC ; BRP US INC ; MALTAIS HUGUES ; CONSTANTINEAU SIMON ; GAGNON CLAUDE

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BANK OF MONTREAL

Inventor(s):(std)**:** BELZILE DAVID ; BETZILE DAVID ; CLAUDE GAGNON ; CONSTANTINEAU SIMON ; DAVID BELZILE ; GAGNON CLAUDE ; HUGUES MALTAIS ; MALTAIS HUGUES ; SIMON CONSTANTINEAU

Agent(s): OSLER HOSKIN AND HARCOURT LLP (BRP); OSLER HOSKIN AND HARCOURT LLP BRP; OSLER HOSKIN AND HARCOUT LLP; OSLER HOSKIN AND HARCOURT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO 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

International class (IPC 8–9): B62D23/00 B62D61/06 B62J25/00 B62K5/00 (Advanced/Invention); B62D23/00 B62D61/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62K5/00

CPC: B62J25/00 B62K5/01 B62K7/04

European class: B62J25/00 B62K5/01 B62K7/04

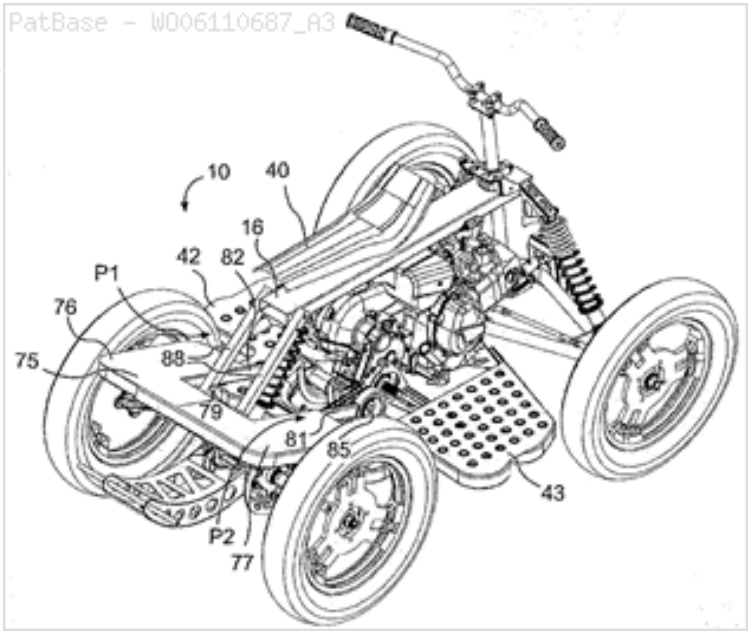
US class: 180/215 180/291 180/291S 180/312 180/89.1 180/89.100P

Classification Explorer

Cited documents: WO9618526 A1, US6523634 BA, US6439444 BA, US6340186 BB, US6296163 BA, US5740878 A, US5083632 A, US5076387 A, US4781258 A, US4664208 A, US3561556 A, US3099326 A, US2006042844 AA, US2004031640 AA, US2004031639 AA, JP2005053461 A2, JP2005053461, FR2820709 A1,

Forward Citations: WO10138867, WO08143836, WO08143836, WO08100398, WO08100398, US9283823, US9145038, US9050869, US8967318, US8844999, US8596398, US8444161, US8434774, US8419104, US8413758, US8246057, US8226120, US8109556, US8091657, US8075007, US7845452, US7594671, US2013153325, US2013008736, US2012090908, US2011174569, US2010182017, US2010163329, US2008029990, TWI353939, CN104827843, CN102416870,

Abstract:
Source: US2007295546A An all−terrain vehicle comprising a rear platform between the rear wheels providing standing room and access to the straddle seat of the all−terrain vehicle. The all−terrain vehicle may also featuring a rear passageway and a side passageway for the rider of the all−terrain vehicle to access to the straddle seat. The all−terrain vehicle also features rear wheel track which is smaller than the front wheel track.



0) US2002033287A – CARGO CARRYING COMPARTMENTS OF AN ALL TERRAIN V...

8) Family number: 30116023 (US2002033287A) © PatBase

Title: Cargo carrying compartments of an all terrain vehicle

Priority:

US20000232572P	20000913	US20010331252P	20011113	US20010950926	20010913
US20020211573	20020805	US20030647780	20030826	US20030647779	20030826
US20020393114P	20020703	US20020384822P	20020604	US20020292813	20021113
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US20050181751	20050715	US20030647781	20030826	US20030647786	20030826
US20030647782	20030826	US20030647785	20030826	WO2002CA01754	20021113
US20030647788	20030826	US20030647787	20030826		

Family:

Publication number	Publication date	Application number	Application date
AU2002342460 AA	20030526	AU20020342460	20021113
CA2467537 AA	20040507	CA20022467537	20021113
EP1490257 A1	20041229	EP20020779060	20021113
US2002033287 AA	20020321	US20010950926	20010913
US2002179358 AA	20021205	US20020211573	20020805
US2003102694 AA	20030605	US20020292813	20021113
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US2005247506 AA	20051110	US20050181751	20050715
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US6705680 BB	20040316	US20020211573	20020805
US6968917 BB	20051129	US20020292813	20021113
US7121371 BB	20061017	US20030647780	20030826
WO03042026 A1	20030522	WO2002CA01754	20021113

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC ; RONDEAU PIERRE ; GAGNON CLAUDE ; PORTELANCE MARTIN ; DUBE ERIC ; GAGNE MARTIN ; BOMBARDIER

Assignee(s): BOMBARDIER CHARLES ; BANK OF MONTREAL ; NADEAU DANIEL ; BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDLER RECREATIONAL PRODUCTS INC ; BRP INC

Inventor(s):(std)**:** BOMBARDIER CHARLES ; DUBE ERIC ; GAGNE MARTIN ; GAGNON CLAUDE ; NADEAU DANIEL ; PORTELANCE MARTIN ; RONDEAU PIERRE

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

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

International class (IPC 8–9): B62D23/00 B62D33/02 B62J1/12 B62J1/28 B62J25/00 B62K5/00 B62K5/003 B62K5/01 B62K5/027 (Advanced/Invention); B62D33/02 B62J1/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7):	B60K17/34 B60N2/00 B60P1/16 B60P1/28 B60R11/06 B60R9/02 B60R9/06 B62D21/00 B62D23/00 B62D33/03 B62D39/00 B62J1/00 B62J25/00 B62K5/00
CPC:	B62J25/00 Y10S180/908 B62J1/12 B62K5/01 B62K5/027 B62D33/02 B62J1/28 B62J7/04 B62J7/06
European class:	B62D33/02 B62J1/12 B62J1/28 B62J25/00 B62J7/04 B62J7/06 B62K5/01 B62K5/027
US class:	180/233 180/311 180/312 180/89.1 180/89.100P 180/89.12 180/89.120S 180/908 224/401 224/433 224/495 280/304.4 280/304.400P 296/183.2 296/184 296/195 296/203.04 296/203.040P 296/37.1 296/371 296/57.1 296/571 298/17R 298/22R

Classification Explorer

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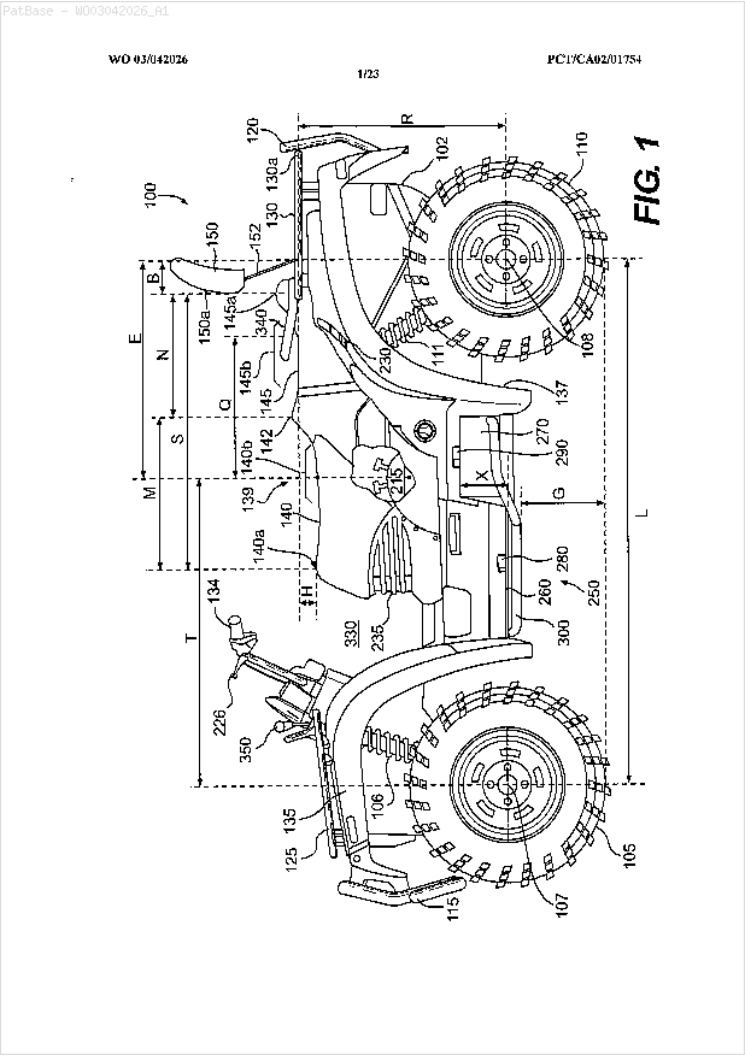
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Abstract:
Source: US2002033287A An all−terrain vehicle (ATV) includes various storage compartments so that the weight loaded onto the vehicle may be evenly distributed between the front and rear suspension of the ATV. The ATV is capable of hauling a variety of loads over various terrains. The ATV contains a rear storage compartment, at least two side storage compartments, a front storage compartment, and a front rack to enable the rider to carry or attach a wide variety of loads onto the ATV without causing the vehicle to overturn or flip up due to the additional weight. Additionally, the ATV may also include a tree guard positioned on each side of the ATV to protect the rear storage and side compartments and to prevent cargo on the rear storage compartment from being dislodged by trees that might protrude into the rider's path.



0) US2009195035A – ATV HAVING ARRANGEMENT FOR A PASSENGER

9) Family number: 43589474 (US2009195035A) © PatBase

Title: ATV HAVING ARRANGEMENT FOR A PASSENGER

Priority: AU20090210781 20090203 AU20150200419 20150129 US20080012587 20080204 US20120464777 20120504 US20140562550 20141205 EP20090709053 20090203 WO2009US00677 20090203

Family:

Publication number	Publication date	Application number	Application date
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AU2009210781 AA	20090813	AU20090210781	20090203
AU2009210781 BB	20141030	AU20090210781	20090203
AU2015200419 AA	20150226	AU20150200419	20150129
AU2015200419 BB	20161124	AU20150200419	20150129
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US2015091286 AA	20150402	US20140562550	20141205
US8905435 BB	20141209	US20120464777	20120504
WO09099588 A1	20090813	WO2009US00677	20090203

Probable Assignee: POLARIS INC

Assignee(s):(std)**:** POLARIS INC ; SUNSDAHL ROY A ; RIPLEY RICHARD D ; TAYLOR SCOTT D

Assignee(s): POLARIS IND ; POLARIS IND INC ; POLARIS IND INC MEDINA ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** RIPLEY RICHARD ; RIPLEY RICHARD D ; SUNSDAHL ROY ; SUNSDAHL ROY A ; TAYLOR SCOTT ; TAYLOR SCOTT D

Inventor(s): ROY A SUNSDAHL ; SCOTT D TAYLOR ; RICHARD D RIPLEY

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; REUTELER RAYMOND WERNER; DE ELZABURU ALBERTO; REINHOLD COHN AND PARTNERS; BAKER AND DANIELS LLP; FAEGRE BAKER DANIELS LLP; GROEN ERIC J

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

International class (IPC 8–9): B60R11/00 B60R9/06 B62J B62J1/02 B62J1/12 B62J1/14 B62J1/28 B62J11/00 B62J25/00 B62J27/00 B62K5/00 B62K5/007 B62K5/01 (Advanced/Invention); B62J1/00 B62J27/00 B62K5/00 (Core/Invention); B62J (Subclass/Invention)

CPC: B62K5/01 B62J11/00 B60R11/00 B60R2011/0052 B60R2011/0001 B62J25/00 Y10T292/0899 B62J7/04 B62J7/08

European class: B62J25/00 B62K5/01

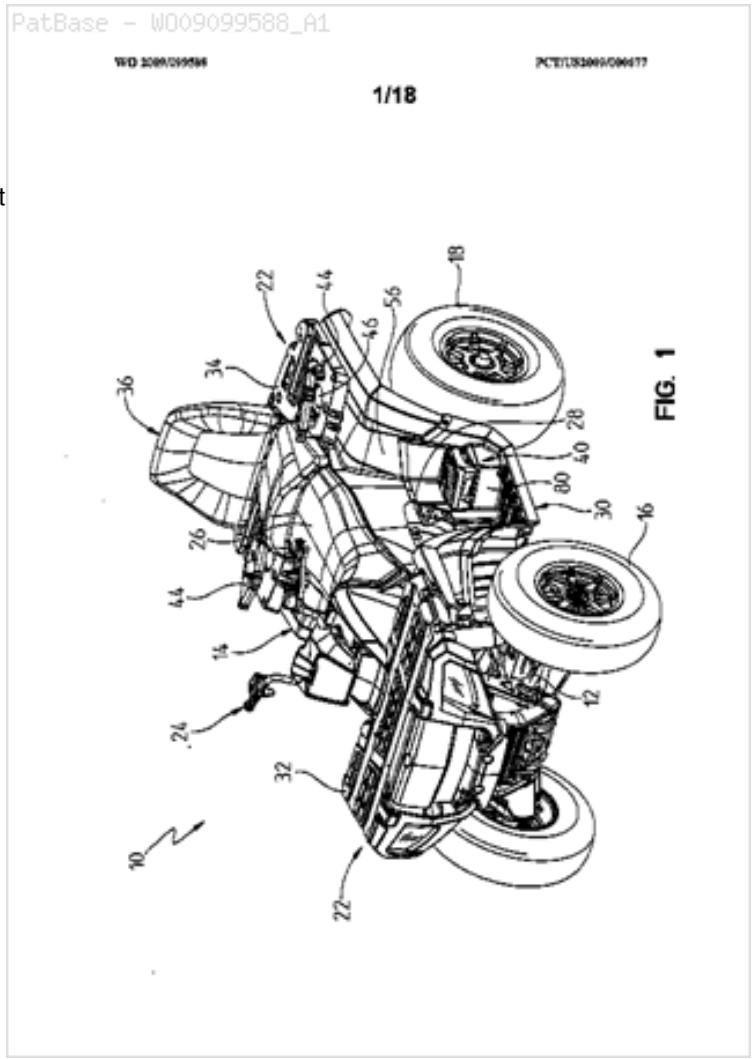
US class: 224/275 224/275S 224/401 280/769 292/84 296/37.1 296/37.100S 297/195.1 297/195.100S 297/195.12 297/195.120S 297/195.13 297/195.130P 297/243 297/243S

Classification Explorer

Cited documents: US7596448 BB, US7506714 BB, US7377570 BB, US7331418 BB, US7258192 BB, US7121371 BB, US7055454 BA, US6868584 BB, US6755269 BA, US6296163 BA, US6126052 A, US5964172 A, US4455049 A, US4171077 A, US2007045368 AA, US2006066122 AA, US2005247506 AA, US2004239088 AA, US2004232684 AA, US2004112668 AA, US2004031640 AA, US2003151278 AA, EP1878645 A1,

Forward Citations: WO15054311, WO14193975, WO14134610, WO12106412, USD721300, US9527450, US9393894, US9340162, US9301518, US9254764, US9080514, US8985685, US8960754, US8678464, US8430442, US8226120, US8215694, US2015251704, US2012242120, US2011215541, US2010084212, US2010019524, US2008217088, EP2617633, EP2617633, EP2444305,

Abstract:
Source: US2009195035A An ATV is disclosed which includes a pedestal assembly incorporated into the foot–wells, which cooperate with a removable passenger seat. Furthermore, passenger seat is selectively added or removed from ATV by way of a latch assembly. Hand grips flank the removable seat and are attached to a rear accessory panel. The rear accessory panel also includes an integrated cup holder, and rack tie–downs are formed in a front or rear accessory panel.



10) Family number: 56779074 (US2014178665A) © PatBase

Title: CROSS–LINKED POLYCARBONATE RESIN WITH IMPROVED CHEMICAL AND FLAME RESISTANCE

Priority: US20120740062P 20121220 US20130137002 20131220 US20130137208 20131220 US20130137292 20131220 US20130137532 20131220 US20130137121 20131220 US20130791886P 20130315 US20130792912P 20130315 US20130792966P 20130315 US20130793072P 20130315 US20130792637P 20130315 US20130901595P 20131108 US20140213381 20140314 US20140212385 20140314 US20150607399 20150128 US20140560354 20141204 US20150607444 20150128 US20150701704 20150501 WO2013US77272 20131220 WO2013US76798 20131220 US20150723967 20150528 WO2013US77209 20131220 WO2013US77024 20131220 WO2013US76799 20131220 US20150701620 20150501 WO2014US28141 20140314 WO2014US28850 20140314 WO2014US28651 20140314

Family:

Publication number	Publication date	Application number	Application date
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WO14144438 A1	20140918	WO2014US28850	20140314	

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s):(std)**:** EVANS THOMAS L ; FLORES AMANDA MARIE ; FRAZEE ANDREW ; JOHNSON PETER ; LAKE DEREK ; SABIC INNOVATIVE PLASTICS IP BV ; SYBERT PAUL DEAN ; SABIC INNOVATIVE PLASTIC IP BV ; SABIC INNOVATIVE PLASTICS IP ; SABIC GLOBAL TECHNOLOGIES BV ; MORIZUR JEAN FRANCOIS ; SABIC GLOBAL TECH BV

Inventor(s):(std)**:** EVANS THOMAS L ; FLORES AMANDA ; FLORES AMANDA MARIE ; FRAZEE ANDRE ; FRAZEE ANDREW ; HOOVER JAMES FRANCKLIN ; HOOVER JAMES FRANKLIN ; JOHNSON PETER ; LAKE DEREK ; MORIZUR JEAN FRANCOIS ; SYBERT PAUL DEAN

Agent(s): MODIANO MICAELA NADIA; RICHARD M; FAY SHARPE LLP; WU WANLI; REIMER LEAH M

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)**:** A61L2/08 A61L24/00 B05D3/06 B29C35/08 B29C45/00 C08F2/46 C08F2/50 C08G61/04 C08G63/00 C08G64/00 C08G64/04 C08G64/14 C08G64/16 C08G64/20 C08G64/24 C08G64/28 C08G64/38 C08G67/00 C08G79/04 C08J3/28 C08J7/12 C08K5/3475 C08K5/42 C08K5/52 C08K5/5393 C08K5/549 C08L69/00 (Advanced/Invention); B29K105/00 B29K105/24 B29K269/00 B29K69/00 C08G63/02 (Advanced/Non–invention)

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Forward Citations: WO16044218, WO15193865, WO15193863, WO15193861, WO15193859, WO15153966, WO15022676, US9598578, US9598577, US9587078, US9562133, US9481761, US9422395, US9303163, US9260561, US9110370, US9023973, US9023912, US2016326367, US2015315336, US2015147557, US2014275324, US2014275314, US2014272691, US2014265053, US2010130700, CN105189652,

Abstract:
Source: US2014178665A Processes for increasing the chemical resistance of a surface of a formed article are disclosed. The formed article is produced from a polymeric composition comprising a photoactive additive containing photoactive groups derived from a monofunctional benzophenone. The surface of the formed article is then exposed to ultraviolet light to cause crosslinking of the photoactive additive and produce a crosslinked surface. The crosslinking enhances the chemical resistance of the surface. Various means for controlling the depth of the crosslinking are also discussed.

PatBase - WO14144438_A1

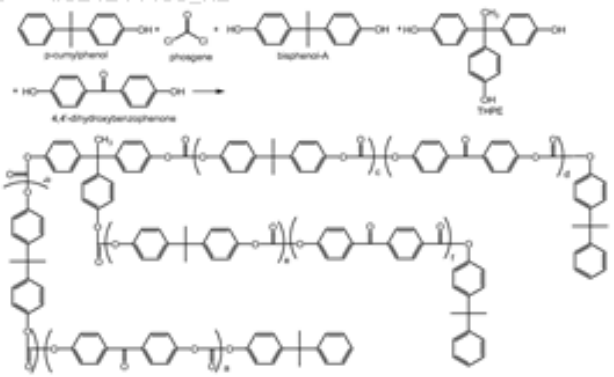


FIG. 2

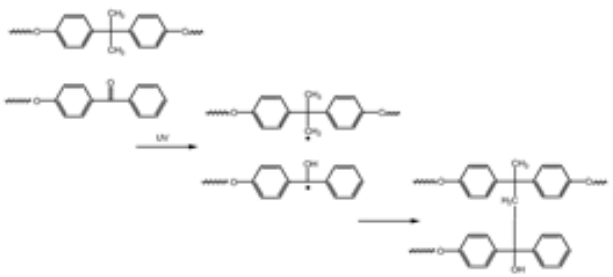


FIG. 3

0) US2005140178A – MULTI–POSITION FENDERS

11) Family number: 32029859 (US2005140178A) © PatBase

Title: MULTI–POSITION FENDERS

Priority: CA20042490456 20041214 US20030749320 20031229

Family:

Publication number	Publication date	Application number	Application date
CA2490456 AA	20050629	CA20042490456	20041214
EP1550602 A1	20050706	EP20040030083	20041218
US2005140178 AA	20050630	US20030749320	20031229
US7086691 BB	20060808	US20030749320	20031229

Probable Assignee: ARCTIC CAT INC

Assignee(s):(std)**:** ARCTIC CAT INC

Assignee(s): BANK OF AMERICA NA ; BENEDICT TIMOTHY ; KENNEDY CRAIG ; WELLS FARGO BANK NATIONAL ASSOCIATION ; AMUNDSEN NEIL T

Inventor(s):(std)**:** KENNEDY CRAIG ; BENEDICT TIMOTHY ; AMUNDSEN NEIL T

Inventor(s): AMUNDSEN NEIL

Agent(s): SIM AND MCBURNEY; MERCHANT AND GOULD PC; BLACK LOWE AND GRAHAM PLLC

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

International class (IPC 8–9)**:** B62D25/16 B62D25/18 B62J15/00 B62J15/02 B62K5/00 (Advanced/Invention); B62D25/16 B62J15/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D25/16 B62D25/18 B62J15/00 B62J15/02

CPC: B62D25/186 B62J15/00 B62K5/01

European class: B62D25/18B4 B62J15/00 B62K5/01

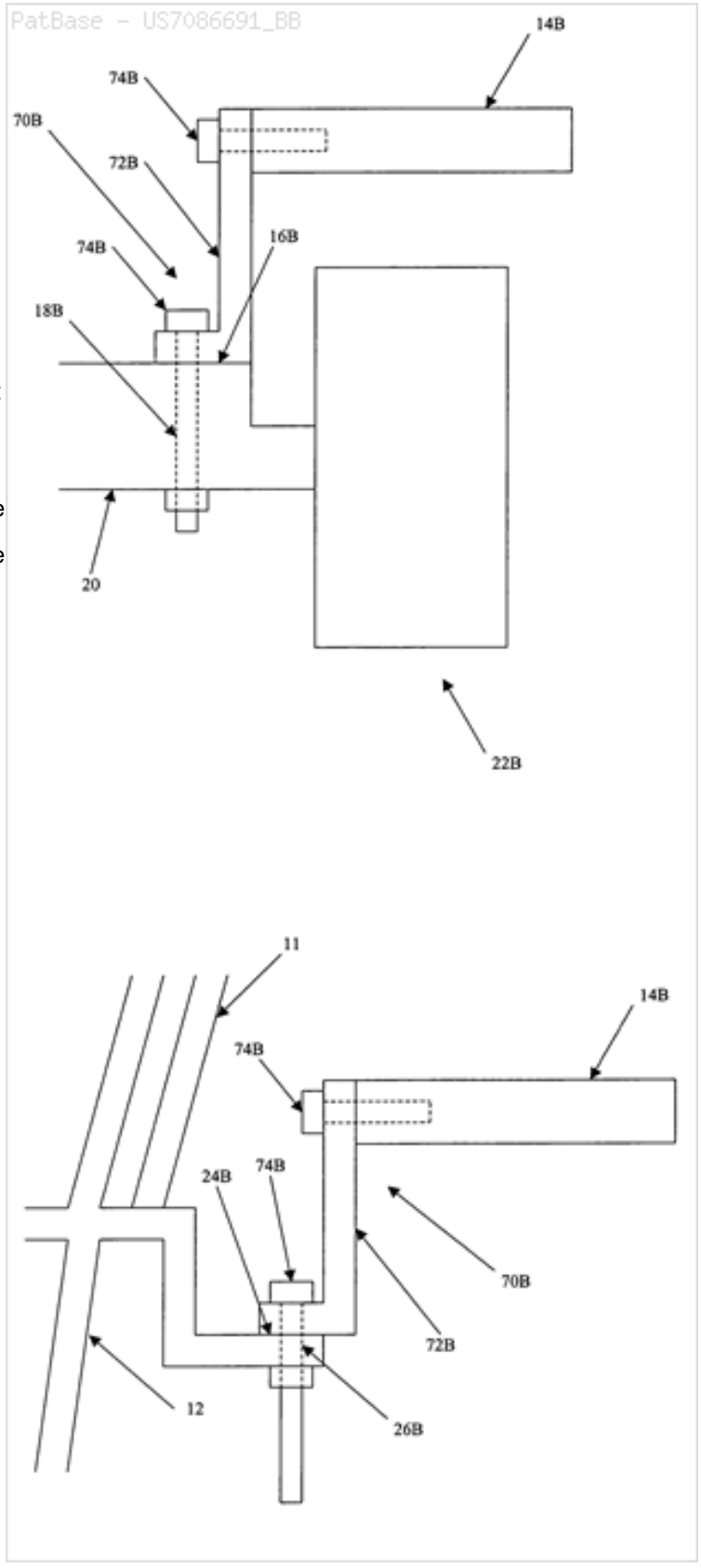
US class: 280/154 280/157 280/854 293/1 296/198 296/198P

Classification Explorer

Cited documents: US817203 A, US6755268 BA, US6547027 BA, US6367841 BA, US5169167 A, US4923319 A, US4773661 A, US4591178 A, US2758859 A, US2582839 A, US1358890 A, US1107826 A, EP1095845 A2, EP0131303 A1,

Forward Citations: US8844999, US8419104, US8419061, US8109556, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7469929, US7438350, US2011233909, US2010163329, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2007228718,

Abstract:
Source: US2005140178A A movable fender for a vehicle. The fender body is movable between at least first and second positions relative to the vehicle, and is removable so as to be readily installed, removed, and replaced. The fender body may be engaged with the vehicle via a mounting assembly. The fender body may be disposed at the first and second positions with either of a unique first and second mounting assemblies, with either of a first and a second mounting assembly having some common components, with a fully common mounting assembly, or with both first and second mounting assemblies simultaneously arranged on the fender bodies. The mounting assembly may include a bracket disposed between the vehicle and the fender body, and may include connectors for connecting the fender body in place. The mounting assembly may engage a first mounting location on the vehicle to dispose the fender body at the first position, and a second mounting location on the vehicle to dispose the fender body at the second position. One of the first and second mounting locations may be on the vehicle's suspension, and another of the first and second mounting locations may be on the vehicle's frame. The fender bodies may be of different material, different thickness, different color, or different texture from one another or from the vehicle body.



0) US2005020149A – AMPHIBIOUS VEHICLE

12) Family number: 28691472 (US2005020149A) © PatBase

Title: AMPHIBIOUS VEHICLE

Priority:

EP20020793599 20021217	NZ20010516154 20011217	NZ20020518603 20020429
NZ20020542813 20021217	US20020493624 20021217	NZ20020520154 20020712
NZ20020520297 20020719	NZ20020520334 20020723	NZ20020526705 20021227
US20040493624 20040423	US20050294537 20051206	WO2002NZ00277 20021217

Family:

Publication number	Publication date	Application number	Application date
AU2002359096 AA	20030630	AU20020359096	20021217
AU2002359096 BB	20060525	AU20020359096	20021217
CA2471585 AA	20040614	CA20022471585	20021217
CA2471585 C	20110315	CA20022471585	20021217
DE60243092 D1	20120802	DE20026043092	20021217
EP1458611 A1	20040922	EP20020793599	20021217
EP1458611 A4	20080702	EP20020793599	20021217
EP1458611 B1	20120606	EP20020793599	20021217
NO20043069 A	20040916	NO20040003069	20040716
NO333119 B1	20130304	NO20040003069	20040716
NZ526705 A	20051223	NZ20020526705	20021227
NZ542813 A	20070928	NZ20020542813	20021217
US2005020149 AA	20050127	US20020493624	20021217
US2006105644 AA	20060518	US20050294537	20051206
US7004801 BB	20060228	US20020493624	20021217
US7314395 BB	20080101	US20050294537	20051206
WO03051712 A1	20030626	WO2002NZ00277	20021217
ZA200404955 A	20050422	ZA20040004955	20040623
ZA200404955 A	20050629	ZA20040004955	20040623

Probable Assignee: SEALEGS INTERNAT LTD

Assignee(s):(std)**:** BRYHAM MAURICE JOHN ; SEALEGS INT LTD ; SEALEGS INTERNAT LTD ; SEALEGS INTERNATIONAL LIMITED

Assignee(s): SEALEGS INTERNATIONAL LTD ; SEALEGS INT LTD ALBANY ; SEALEGS INT

Inventor(s):(std)**:** BRYHAM MAURICE JOHN ; MAURICE JOHN BRYHAM ; BRYHAM MAURICE J

Inventor(s): BRYHAM MAURICE

Agent(s): PIPERS PATENT ATTORNEYS; PIPERS; BORDEN LADNER GERVAIS LLP; BRIDLE ANDREW BARRY; BROOKS KUSHMAN PC; YOUNG AND THOMPSON

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 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 SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B60F3/00 B63B7/08 B63C13/00 (Advanced/Invention); B63B7/08 (Advanced/Non–invention); B60F3/00 B63B7/00 B63C13/00 (Core/Invention); B63B7/00 (Core/Non–invention); B60F B63C (Subclass/Invention)

International class (IPC 1–7): B60F B60F3/00 B63C B63C13/00 B63H1/00

CPC: B60F3/0007 B60F2301/04 B63B7/082 B63C13/00

European class: B60F3/00B B63C13/00 L60F301/04 L63B7/08B

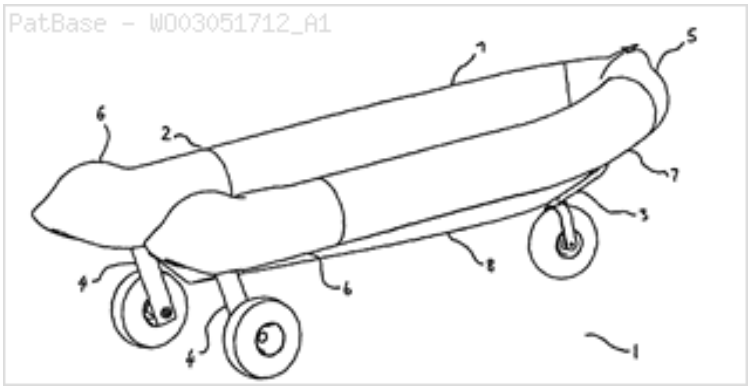
US class: 114/344 114/345 440/12.5 440/12.52 440/12.54 441/12.5 441/12.52

Classification Explorer

Cited documents: WO9109769 A1, US5975003 A, US5769021 A, US5632221 A, US5176098 A, US4300252 A, US4008679 A, US3755838 A, US3755835 A, US3689950 A, US3158881 A, GB2170759 A1, FR2776964 A1, FR2677901 A1, FR2563180 A1, FR2351856 A1, DE2822182 A1, CA2273069 AA, AU544342 B2,

Forward Citations: WO16039641, WO13059875, WO10085159, WO09153561, WO08038029, WO07141515, US9555678, US9370979, US9352626, US9143018, US9079466, US8662020, US8459625, US7950973, US7766709, US7211983, US2014335748, US2011189907, US2010062664, US2009156069, US2006219146, US2006186840, RU2555253, NL1033980, KR100938037, JP2015037939, JP2011524835, FR2953462, FR2937903, ES2375997, EP3098098, EP2272749, EP2203321, EP2203321,

Abstract:
Source: US2005020149A An amphibious vehicle (1), in the form of an inflatable boat (2) has a self propelled and steerable retractable under−carriage system, enabling the vehicle to enter and exit the water under its own power. The swing of the wheels and their supporting struts (3) and (4) occurs external to the hull of the vehicle. A steerable nose leg (3) is raised or lowered by an actuator situated inside the boat. Stowage is accomplished within the lines of an inflatable craft by the incorporation of fibreglass fairings (5) and (6) sized to match the main inflated tubes (7). Power is provided to the back wheels (4) via an internal drive train within the legs (4). All terrain balloon type tyres are used to enable the boat to travel over a variety shoreline terrain. A steering system engages with the



0) US2002047257A – FENDER STRUCTURE FOR AN ALL TERRAIN VEHICLE

13) Family number: 22648352 (US2002047257A) © PatBase

Title: Fender structure for an all terrain vehicle

Priority: CA20012354742 20010806 US20000222934P 20000804 US20010922237 20010806

Family:

Publication number	Publication date	Application number	Application date
CA2354742 AA	20020204	CA20012354742	20010806
US2002047257 AA	20020425	US20010922237	20010806
US6874590 BB	20050405	US20010922237	20010806

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; RONDEAU PIERRE ; PORTELANCE MARTIN ; BOMBARDIER RECREATIONAL PRODUC

Assignee(s): AUBE MARTIN ; BANK OF MONTREAL ; BOMBARDIER RECREATIONAL PRODUCTS INC

Inventor(s):(std)**:** AUBE MARTIN ; PORTELANCE MARTIN ; RONDEAU PIERRE

Agent(s): OSLER HOSKIN AND HARCOURT LLP; BRP LEGAL SERVICES

International class (IPC 8–9): B62D25/16 B62J15/00 B62K5/00 (Advanced/Invention)

International class (IPC 1–7): B60J7/00 B60R19/03 B62B9/14 B62D23/00 B62D25/16 B62D25/18 B62D29/00

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01

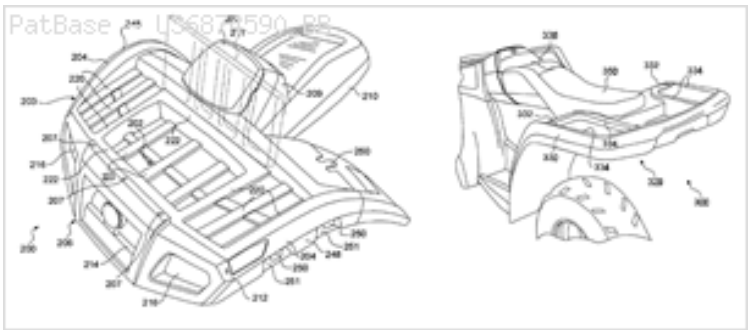
US class: 180/89.1 280/769 280/769S 280/849 280/849P 293/120 296/198 296/901.01

Classification Explorer

Cited documents: US6523634 BA, US6299244 BA, US6224134 BA, US6170841 BA, US6170841 B1, US6026923 A, US5791431 A, US5474483 A, US4535869 A, US3712397 A, US3688856 A, US3632156 A,

Forward Citations: USD592557, USD592556, US9481402, US8646668, US7717206, US7708105, US7690472, US7690462, US7669678, US7650959, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7510199, US7506712, US7438350, US7438147, US7367417, US7357211, US7338105, US7287619, US7258395, US7150336, US7128341, US7044527, US2013062910, US2011168473, US2010263956, US2009321169, US2009001781, US2009001762, US2009001745, US2009001704, US2008053727, US2008025812, US2008023991, US2008023990, US2008023989, US2008015066, US2008015065, US2007289792, US2007273135, US2007256882, US2007046055, US2006162976, US2006131827, US2005230992, US2004231900, US2004216945, US2004206567, US2004195028, US2004195019, US2004195018, US2004169388, US2004134952,

Abstract:
Source: US2002047257A An all terrain vehicle (ATV) includes a plurality of wheels and a fender structure positioned over the wheels having a support portion designed as and defining a load–bearing surface. The fender structure may include a plurality of raised support portions that increase rigidity and load capacity. Additionally, it is not necessary to support either the fender structure or the support portion using the bumper of the ATV. The fender structure may be formed with plastic material, such as polyethylene, polypropylene or fiberglass–charged polyethylene, and may be manufactured using a blow–molding technique or an injection molding technique. The ATV may also include mud guards and a floor board that extends between the mud guards. The mud guards and the floor board may be formed as an integral or one piece unit with the fender structure. The mud guards can be injection molded or blow–molded while the fender structure can be



blow−molded.

0) US2002040822A – ALL TERRAIN VEHICLE

14) Family number: 30112913 (US2002040822A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: CA19972202330 19970410 US19980057652 19980409 US20000231329P 20000908 US20020095064 20020312 US20010949038 20010910

Family:

Publication number	Publication date	Application number	Application date
CA2202330 AA	19981010	CA19972202330	19970410
US2002040822 AA	20020411	US20010949038	20010910
US2002088661 AA	20020711	US20020095064	20020312
US6523634 BA	20030225	US19980057652	19980409
US6626260 BB	20030930	US20010949038	20010910
US6732830 BB	20040511	US20020095064	20020312

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; DEUTSCHMAN PAUL ; GALE JOHN F ; GAGNON CLAUDE ; BANK OF MONTREAL

Inventor(s):(std)**:** GALE JOHN F ; GALE JOHN ; GAGNON CLAUDE ; DEUTSCHMAN PAUL

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** B60K15/01 B60K17/06 B60K17/22 B60K17/344 B62D63/02 B62K11/00 B62K5/00
F02B61/02 (Advanced/Invention);
B60K5/02 (Advanced/Non–invention);
B60K15/00 B60K17/06 B60K17/22 B60K17/344 (Core/Invention);
B60K5/00 (Core/Non–invention)

International class (IPC 1–7)**:** B60K11/04 B60K15/07 B60K17/22 B60K17/34 B60K17/344 B60K9/06 B60R9/06 B62D63/02 B62K5/00

CPC: Y10S180/908 B62K19/46 B60K5/02 B60K15/01 B60K17/06 B60K17/22 B60K17/344 B60Y2200/124 B62K5/01 F02B61/02

European class: B60K15/01 B60K17/06 B60K17/22 B60K17/344 B62K19/46 B62K5/01 F02B61/02 L60K5/02 L60Y200/124

US class: 180/215 180/233 180/248 180/291 180/374 180/68.4 180/684 180/908 224/40 280/834 296/181.4 296/186 296/37.1 296/371

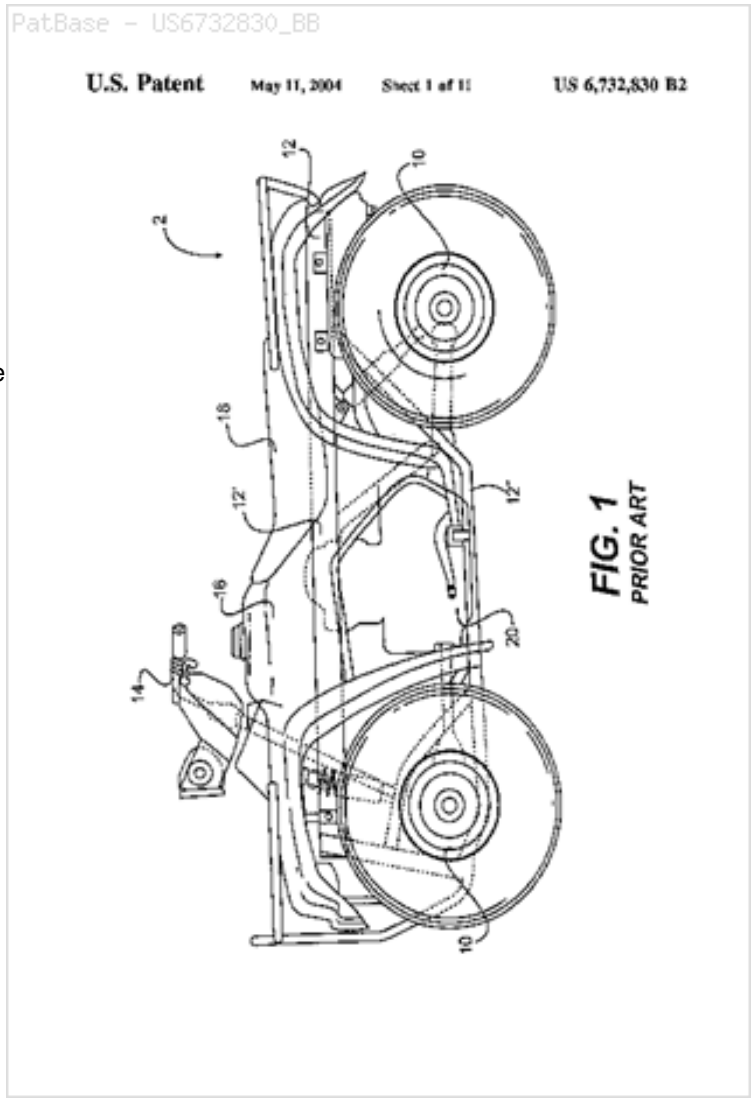
Classification Explorer

Cited documents: USD330694 S1, USD327457 S1, USD305999 S1, USD299324 S1, USD298811 S1, USD298113 S1, USD297132 S1, US6182784 BA, US5740878 A, US5573162 A, US5558059 A, US5515940 A, US5394949 A, US5347799 A, US5327989 A, US5183130 A, US5078223 A, US5076387 A, US4836324 A, US4798400 A, US4779697 A, US4770262 A, US4757872 A, US4744432 A, US4714126 A, US4699234 A, US4666015 A, US4650210 A, US4650029 A, US4623167 A, US4596301 A, US4535869 A, US4535866 A, US4300649 A, US3893533 A, US3662849 A, US2788858 A, CA2202330 AA, CA2153721 AA, CA2150191 AA, CA2149732 AA,

Forward Citations: WO13049536, WO09134258, WO09134256, WO09008779, WO06072077, WO06072077, USD761692, USD710274, USD682158, USD678124, USD665305, USD592557, USD592556, USD497324, US9545838, US9434244, US9365251, US9321494, US9266580, US9242672, US9217501, US9211924, US9188198, US9102205, US9080514, US8955632, US8887853, US8864204, US8827028, US8827020, US8827019, US8783720, US8746719, US8678464, US8622428, US8613336, US8613335, US8596405, US8540045, US8430442, US8413758, US8382125, US8336656, US8251401, US8246057, US8226120, US8215694, US8191930, US8191929, US8191677, US8091657, US8047324, US7954853, US7950736, US7950490, US7942447, US7896371, US7886677, US7854290, US7815008, US7744260, US7735869, US7717206, US7708105, US7694769, US7690472, US7690462, US7681920, US7674023, US7673711, US7658411, US7650959, US7644791, US7637338, US7604382, US7600599, US7597387, US7591503,

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Abstract:
Source: US2002040822A A straddle−type vehicle has configurations in which the engine is located more towards the rear of the vehicle and the fuel tank extends generally vertically beneath the steering member. A radiator may also be located at a rear portion of the vehicle, rearwardly of the engine. A front storage compartment s also provided in the front portion of the vehicle. The resulting vehicle has improved access and storage capabilities and also has a lower center of gravity. The engine may be a four stroke engine, which is more environmentally friendly than a two stroke engine. Because of the increased space requirements of a four stroke engine, a secondary portion of the engine is provided forward of the seat to define an uppermost portion that defines a bottom portion of an access area that the user uses to mount and dismount the vehicle.



15) Family number: 42075569 (US2008185864A) © PatBase

Title: SYSTEM, METHOD AND APPARATUS FOR DEFLECTING MUD FROM THE FOOT AREA OF AN ALL TERRAIN VEHICLE

Priority: US20070888731P 20070207 US20080027745 20080207

Family:

Publication number	Publication date	Application number	Application date
US2008185864 AA	20080807	US20080027745	20080207
US7967359 BB	20110628	US20080027745	20080207

Probable Assignee: BOWLES WAYNE A

Assignee(s):(std)**:** BOWLES WAYNE A

Inventor(s):(std)**:** BOWLES WAYNE A

Agent(s): KUNZLER AND MCKENZIE; KUNZLER NEEDHAM MASSEY AND THORPE

International class (IPC 8–9): B60J1/10 B62D25/16 (Advanced/Invention); B60J1/08 (Core/Invention)

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01

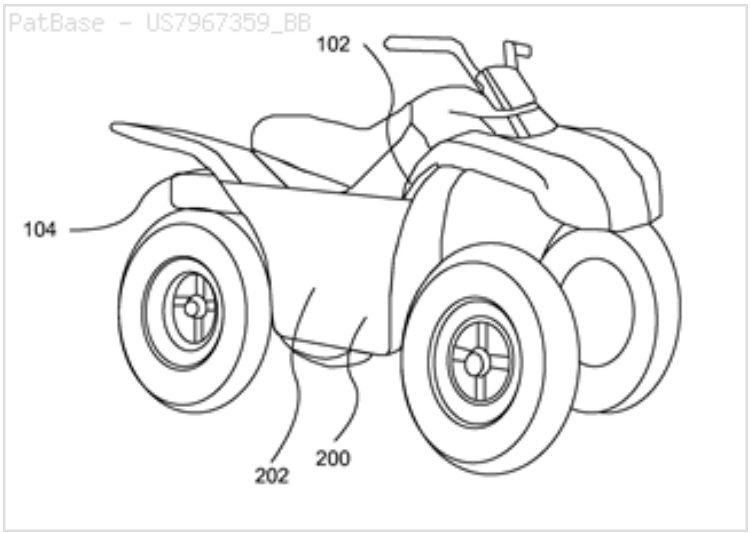
US class: 280/847 280/851 296/1.04 296/198 296/198S 296/77.1 296/77.100P

Classification Explorer

Cited documents: US7503607 BB, US7503607 B1, US7044527 BB, US7044527 B1, US6932411 BB, US6932411 B1, US6565139 BB, US6565139 B1, US6543830 BA, US6270106 BA, US6206446 BA, US5967553 A, US5794976 A, US5203601 A, US5062675 A, US4973082 A, US4724585 A, US2009267335 AA, US2008276443 AA,

Forward Citations: USD690243,

Abstract:
Source: US2008185864A An apparatus, system, and method for deflecting mud from the foot area of an all terrain vehicle includes a substantially vertical barrier disposed adjacent to the foot area of the all terrain vehicle. The apparatus comprises a mud deflector stretched between a front fender and a rear fender. The apparatus may comprises a mud deflector configured from an elastomeric material stretched between a front fender and a rear fender and attached to the front and rear fenders by a plurality of attachment clips. In certain embodiments the apparatus may comprise a mud deflector configured from a rigid material attached to the front and rear fenders of the all terrain vehicle.



16) Family number: 7850569 (US4217970A) © PatBase

Title: Configuration and construction of four wheeled motor vehicles

Priority: US19740437482 19740128 US19750597311 19750808 US19770857567 19771205 US19770857568 19771205 US19770857566 19771205

Family:

Publication number	Publication date	Application number	Application date
US4217970 A	19800819	US19770857568	19771205
US4227589 A	19801014	US19770857567	19771205
US4229018 A	19801021	US19770857566	19771205
US4290620 A	19810922	US19750597311	19750808

Probable Assignee: CHIKA JOHN J

Assignee(s):(std)**:** CHIKA JOHN J

Inventor(s):(std)**:** CHIKA JOHN J

International class (IPC 8–9)**:** B60G21/055 B62D23/00 B62D31/00 B62K13/06 B62K27/02 B62M6/10 B62M6/25 B62M6/35 (Advanced/Invention)

International class (IPC 1–7)**:** B60K17/00 B62D21/12 B62D61/00 B62K13/06 B62K27/12

CPC: B60G21/055 B62D23/005 B62K5/08 B62K13/06 B62K27/00 B62D31/003 B62K27/02 B62M6/10 B62M6/25

European class: B60G21/055 B62D23/00B B62D31/00B B62K13/06 B62K27/00 B62K27/02 B62K5/08 B62M6/10 B62M6/25

US class: 180/205.7 180/206 180/221 180/298 180/342 180/366 180/89.1 280/203 280/209 280/282 280/283 280/93.514 296/193.05 296/205

Classification Explorer

Cited documents: US784042, US739633 A, US646791 A, US636155 A, US4093258 A, US4028957, US3961807, US3951427, US3941075, US3902738 A, US3894615, US3887210, US3794352 A, US3768834 A, US3517764, US3435701, US3429584, US3013814 A, US2891804, US2691421, US2625230, US2578886 A, US2409887 A, US2248223 A, US1848451 A, US1478316 A, SU553132 T, SU231326 T, IT443900 A, GB728346, GB506208 A, GB189818531 A, GB189622529 A, GB1078535 A, FR971572, FR605567 A, FR601057 A, DE812643 A, DE121044 A, AT182323 B,

Forward Citations: WO9627518, WO16022493, WO15155697, WO15119506, WO14039761, WO13030225, WO11004093, WO07103188, WO07103188, WO07068000, WO04067367, WO04067367, WO03037679, WO0249889, WO0063065, USD766137, USD638333, USD586696, USD586695, USD586261, USD586260, USD585790, USD585789, USD585788, USD575675, USD564410, USD563274, USD507993, USD505364, USD503661, US9394027, US9365251, US9340250, US9321494, US9284007, US9217501, US9211924, US9205730, US9174693, US9114851, US9085335, US9016774, US9004535, US8998216, US8955632, US8944492, US8944301, US8899615, US8894081, US8851558, US8827028, US8827020, US8827019, US8752743, US8746719, US8640796, US8613336, US8613335, US8596405, US8486846, US8397844, US8382125, US8146937, US8141668, US7967312, US7874566, US7819220, US7775538, US7770682, US7721836, US7695393, US7658258, US7530411, US7473204, US7461864, US7213866, US7066530, US7017702, US7004502, US6994179, US6905138, US6860512, US6755265, US6634701, US6631925, US6623067, US6578904, US6561532, US6554308, US6527290, US6435601, US6428086, US6419304, US6311997, US6250711, US6250410, US6170844, US6145922, US6065557, US6059058, US6022036, US6010155, US5934745, US5845937, US5806620, US5741045, US5613918, US5511809, US5292142, US5251721, US4924959, US4834410, US4787647, US4740004, US4425976, US2017021893, US2015210319, US2015069732, US2015042063, US2015014957, US2014224564, US2014224557, US2013263696, US2013187407, US2013092466, US2013056293, US2012318595, US2012242110, US2012098300, US2012037672, US2011308872, US2011285170, US2011272925, US2011048828, US2011018225, US2010314852, US2009178871, US2009114465, US2009001764, US2008314668, US2008246301, US2008023249, US2008023240, US2007261900, US2007207889, US2007144799, US2007000715, US2006151224, US2006033361,

US2005285415, US2005280254, US2005280217, US2005034904, US2004245745, US2004154854, US2004129489, US2004124033, US2004104065, US2004084889, US2004066025, US2004026144, RU2507086, GB2492786, FR2947797, FR2727377, FR2720048, FR2640575, FR2559119, FR2530212, ES2412031, EP2060477, EP1977922, EP1717138, EP0534831, DE4125832, DE19804104, DE19613446,

Abstract:
Source: US4217970A A four−wheeled motor vehicle constructed by operatively coupling two exclusively configured left and right longitudinal side structures by plural, transversely positioned connecting and bracing members. Each side structure operatively supported by its own front wheel adapted for steering and rear wheel adapted for propelling the vehicle. Each of the connecting members comprising a longer mid−portion positioned transversely between the two longitudinal sides, and two shorter end−portions which are secured to correspondingly positioned structurally rigid sections of them. Steering system operatively couples the two front wheels of the two sides for steering thus coupled vehicle. A propulsion plant propels at least one of the wheels. All operating controls are configured for safe and legal operation of the vehicle by its driver. The longer mid−portions of said connecting members support body panels positioned intermediate the two side structures, vehicle floor and seats. The basic configuration is adaptable to be combined into variously configured, open, closed and convertible vehicle bodies. Various facets of the basic concept are adaptable for partial application in construction of new and conversion of existing conventionally constructed motor vehicles of all types.



17) Family number: 32171018 (US2005178603A) © PatBase

Title: VEHICLE BODY FRAME STRUCTURE FOR ALL–TERRAIN VEHICLE

Priority: CA20052496491 20050209 JP20040036281 20040213 JP20040096888 20040329 JP20040096843 20040329

Family:

Publication number	Publication date	Application number	Application date
CA2496491 AA	20050813	CA20052496491	20050209
CA2496491 C	20090721	CA20052496491	20050209
CN100377963 C	20080402	CN200510007736	20050216
CN1676407 A	20051005	CN200510007736	20050216
EP1564123 A2	20050817	EP20050101031	20050211
EP1564123 A3	20090624	EP20050101031	20050211
JP2005225372 A2	20050825	JP20040036281	20040213
JP2005280481 A2	20051013	JP20040096843	20040329
JP2005280482 A2	20051013	JP20040096888	20040329
JP4391848 B2	20091224	JP20040036281	20040213
US2005178603 AA	20050818	US20050055722	20050211
US7618063 BB	20091117	US20050055722	20050211

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): TAKAHASHI SHINJI ; TAKESHIMA MASAO ; TSURUTA YUICHIRO ; ASAO KOSUKE ; HONDA MOTOR CO

Inventor(s):(std): YUICHIRO TSURUTA ; TSURUTA YUICHIRO ; TAKESHIMA MASAO ; TAKAHASHI SHINJI ; SHINJI TAKAHASHI ; MASAO TAKESHIMA ; KOSUKE ASAO ; ASAO KOSUKE ; ASAO HIROSUKE

Agent(s): DENNISON ASSOCIATES; POULIN GERARD; WESTERMAN HATTORI DANIELS AND ADRIAN 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 MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): B62D21/00 B62D21/02 B62D21/03 B62D21/12 B62D21/18 B62J23/00 B62K11/00 B62K11/02 B62K11/04 B62K5/00 B62K5/01 (Advanced/Invention); B62K5/00 (Advanced/Non–invention); B62J23/00 B62K11/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62D21/00 B62D21/02 B62D21/03 B62D21/18 B62J23/00 B62K11/00 B62K11/02 B62K11/04 B62K5/00

CPC: B62J17/00 B62K5/01 B62K2005/001

European class: B62J17/00 B62K5/01 L62K5/00B

US class: 180/311 280/124.135 280/785

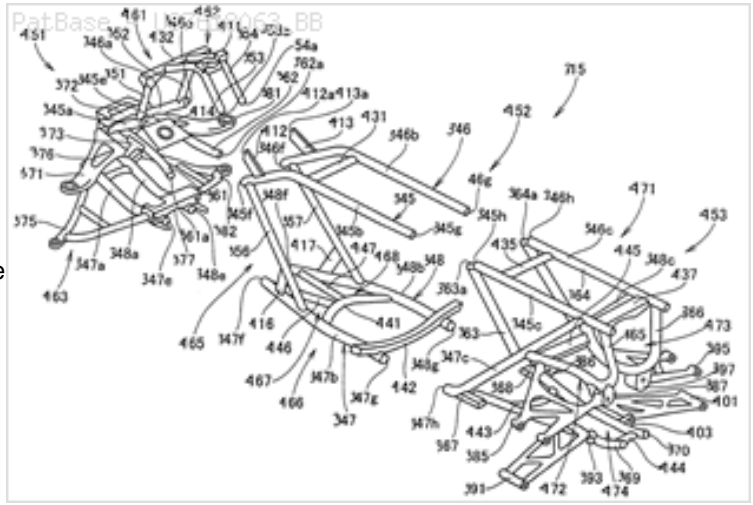
Classification Explorer

Cited documents: US7306069 BB, US6827361 BB, US6799781 BB, US6702058 BB, US6547027 BA, US6502863 BA, US6412856 BA, US6296163 BA, US6286619 BA, US6270106 BA, US5401056 A, US4881756 A, US4786075 A, US4533172 A, US2003066696 AA, US2003006573 AA, US2001048207 AA, US2001027890 AA, JPS63170176, JP63170176 A2, JP3358876 B2, JP3358876 A2, JP3358876, JP3069309 B2, JP3069309 A2, JP2048294 A2, JP2048291 A2, JP200171962, JP200110580, JP2000313386 A2, JP2000033894 A2, JP10181653 A2, JP10181653, JP0248294,

Forward Citations: WO08115459, WO07098665, US9592782, US9260152, US9004510, US8998253, US8424912, US8413758, US8402878, US8382158, US8205910, US8167072, US8132827, US8087490, US8029021, US8007005, US7950491, US7934735, US7896371, US7871106, US7802816, US7795602, US7717495, US7571918, US2014062059, US2012104738, US2011175337, US2011174569, US2011169240,

US2011155498, US2011079978, US2011012334, US2010059979, US2010059945, US2009294199, US2009014976, US2008238149, US2007228684, TWI482716, TWI430912, JP5932865, JP5560101, JP2015092070, JP2011251565, JP2008100611, CN104608825, CN103910015, CN102947118, CN102947118,

Abstract:
Source: US2005178603A A vehicle body frame structure for an all–terrain vehicle having at least a front wheel, and including a first frame assembly and a second frame assembly. The first frame assembly includes an arm support portion and a steering shaft support portion located at a front portion of the vehicle body frame structure, for steering the front wheel. The second frame assembly is bisected from the first frame assembly; and the vehicle body frame structure also includes a suspension arm vertically swingably supported by the arm support portion.



0) US2006272872A – ALL TERRAIN VEHICLE

18) Family number: 33976301 (US2006272872A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20050142595 20050601

Family:

Publication number	Publication date	Application number	Application date
CN100455457 C	20090128	CN200610083288	20060531
CN1872610 A	20061206	CN200610083288	20060531
TW200716402 A	20070501	TW20060118153	20060522
TWI293602 B	20080221	TW20060118153	20060522
US2006272872 AA	20061207	US20050142595	20050601
US7690461 BB	20100406	US20050142595	20050601

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** ISODA TAKASHI ; YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** ISODA TAKASHI ; TAKASHI ISODA

Agent(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA, C/O KEATING AND BENNETT LLP; YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT LLP

International class (IPC 8–9): B60K11/00 B60K13/02 B62J39/00 B62J99/00 B62M7/00 (Advanced/Invention); B60K13/00 B62J99/00 (Core/Invention)

CPC: B60K13/02 B60Y2200/124 B62K5/01

European class: B60K13/02 B62K5/01 L60Y200/124

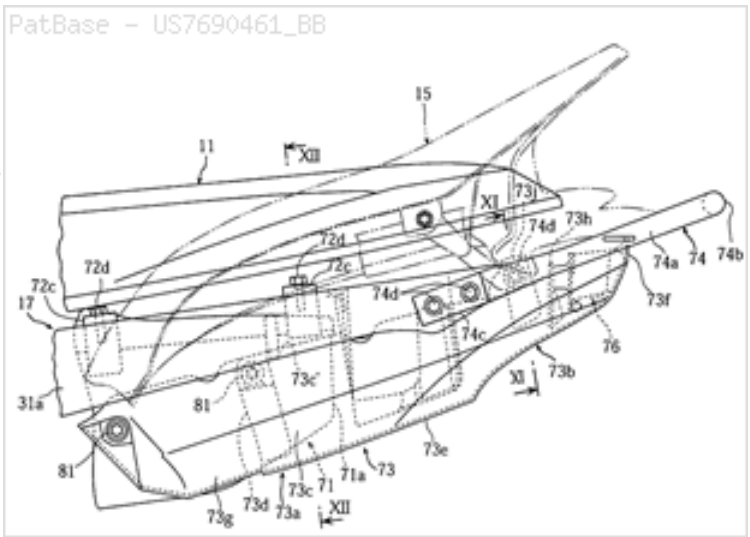
US class: 180/219 180/68.3 180/68.300P

Classification Explorer

Cited documents: US7004276 BB, US6823956 BB, US6722323 BB, US6644693 BB, US6438949 BA, US5967127 A, US5613569 A, US4907552 A, US4484651 A, US2006230728 AA, JP2005001508 A2,

Forward Citations: US9096123, US8973696, US8944197, US7665770, US2014360800, US2013240276, US2012186895, US2006273572, TWI554426,

Abstract:
Source: US2006272872A An all terrain vehicle is constructed to prevent rainwater or the like from entering an inner portion of an air cleaner without complicating the structure of the vehicle or making the assembly work difficult, while improving the external appearance of the vehicle. An air cleaner is provided below a seat, and the air cleaner is positioned between left and right rail main bodies when viewed from above. Left, right, bottom and rear surfaces of the air cleaner are covered with an undercover, which is separate from the air cleaner.



19) Family number: 32046504 (US2005150707A) © PatBase

Title: OXYGEN CONCENTRATION SENSOR FOR A SADDLE RIDE TYPE ALL–TERRAIN VEHICLE

Priority: CA20042489042 20041203 JP20030417939 20031216

Family:

Publication number	Publication date	Application number	Application date
AU2004237880 AA	20050630	AU20040237880	20041213
AU2004237880 BB	20110324	AU20040237880	20041213
BRPI0405602 A	20050830	BR2004PI05602	20041214
BRPI0405602 B1	20160712	BR2004PI05602	20041214
CA2489042 AA	20050616	CA20042489042	20041203
CA2489042 C	20080422	CA20042489042	20041203
JP2005178419 A2	20050707	JP20030417939	20031216
MXPA04012536 A1	20050921	MX2004PA12536	20041213
MY136219 A	20080829	MY20040005127	20041213
US2005150707 AA	20050714	US20040011777	20041215
US7367419 BB	20080506	US20040011777	20041215

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): ITO ATSUSHI ; TSURUTA YUICHIRO ; HONDA MOTOR CO

Inventor(s):(std)**:** ATSUSHI ITO ; TSURUTA YUICHIRO ; ITO ATSUSHI

Inventor(s): YUICHIRO TSURUTA

Agent(s): SPRUSON AND FERGUSON; DENNISON ASSOCIATES; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

International class (IPC 8–9)**:** B60K13/04 B60N3/06 B62D39/00 B62J15/00 B62J25/00 B62J99/00 B62K11/04 B62K5/00 B62M7/02 F01N13/08 F01N3/28 F02D35/00 F02D41/02 F02D41/14 (Advanced/Invention); B60K13/00 B60N3/00 B62D39/00 B62J15/00 B62J25/00 B62J99/00 B62K11/00 B62K5/00 B62M7/00 F01N13/08 F01N3/28 F02D35/00 F02D41/02 F02D41/14 (Core/Invention)

International class (IPC 1–7)**:** B60K13/04 B60N3/06 B62D39/00 B62J15/00 B62J25/00 B62J39/00 B62K11/04 B62K5/00 B62M7/02 F01N7/08 F02D35/00 F02D41/02 F02D41/14

CPC: B62K5/01 F01N3/28 F01N13/008

European class: B62K5/01 F01N13/00E F01N3/28

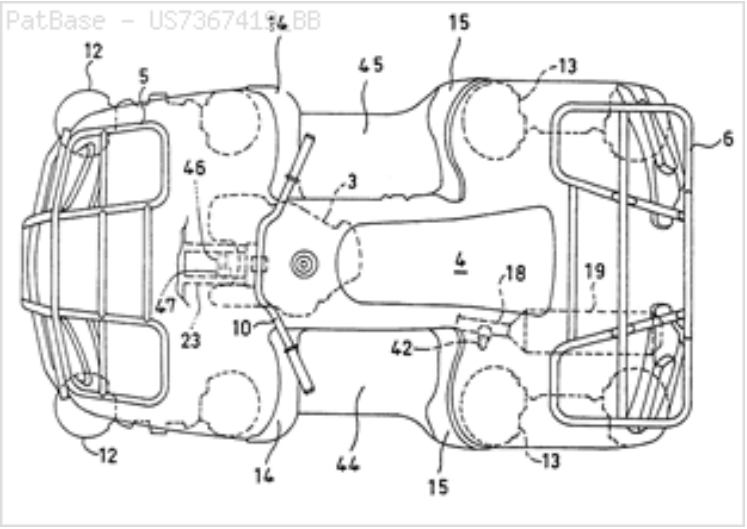
US class: 180/296 180/309 180/89.2

Classification Explorer

Cited documents: US6928988 BB, US6920949 BB, US6719084 BB, US6651773 BA, US6622482 BB, US6293095 BA, US5992380 A, US5521339 A, US5267163 A, US3061416 A, US2003061860 AA, JP6280634 A2,

Forward Citations: US9057315, US2015007554, JP5849071, JP2015016754, AU2014202793,

Abstract:
Source: US2005150707A A saddle ride type all−terrain vehicle includes an engine, a front wheel and rear wheels, a saddle type rider's seat, and a rear fender provided so as to cover the surroundings of the saddle type rider's seat and the rear wheels. The vehicle further includes an exhaust pipe led out to the vehicle body rear side from the engine, a muffler connected to the exhaust pipe, and an oxygen concentration sensor provided in the vicinity of a connection portion between the exhaust pipe and the muffler, wherein the oxygen concentration sensor is located inside the rear fender.



0) US2010163329A – MULTIPLE USE ALL TERRAIN VEHICLE

20) Family number: 45910912 (US2010163329A) © PatBase

Title: MULTIPLE USE ALL TERRAIN VEHICLE

Priority: US20080203905P 20081230 US20090649842 20091230 US20110334483 20111222 US20130766093 20130213

Family:

Publication number	Publication date	Application number	Application date
US2010163329 AA	20100701	US20090649842	20091230
US2012090908 AA	20120419	US20110334483	20111222
US2013153325 AA	20130620	US20130766093	20130213
US8109556 BB	20120207	US20090649842	20091230
US8419104 BB	20130416	US20110334483	20111222
US8844999 BB	20140930	US20130766093	20130213

Probable Assignee: BEAMCO INC

Assignee(s):(std)**:** BEAMCO ; BEAMCO INC ; BERGMAN JAMES ; NELSON RICK ; HOLTER LARRY ; PASCHKE DAVE

Inventor(s):(std)**:** PASCHKE DAVE ; NELSON RICK ; HOLTER LARRY ; BERGMAN JAMES

Agent(s): KINNEY AND LANGE PA; KINNEY AND LANGE P A

International class (IPC 8–9)**:** B60K17/02 B60K8/00 B60N3/06 B60R19/52 B62D25/00 B62D25/20 B62D7/18 B62J1/00 B62J25/00 B62K7/02 F16D13/58 F16D13/72 (Advanced/Invention); B60K8/00 B60R19/00 B62D25/00 B62D7/00 B62J1/00 B62J25/00 B62K7/00 (Core/Invention)

CPC: B60K17/02 B60R19/52 B62J25/00 B62K5/01 F16D13/58 F16D13/72

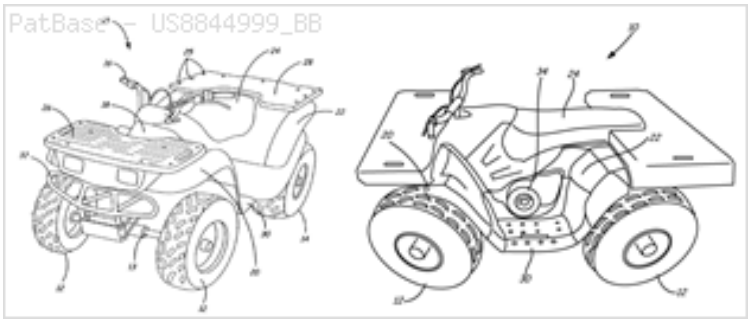
European class: B60R19/52 B62J25/00 B62K5/01

US class: 180/292 180/383 180/90.6 180/90.600P 192/112 280/281.1 280/281.100S 280/291 280/291S 280/93.502 280/93.502S 293/115 293/115S 296/198 296/198S 296/75 296/75S 296/78.1 297/195.1 297/195.100S

Classification Explorer

Cited documents: US8485305 BB, US7905803 BB, US7896421 BB, US7802806 BB, US7766119 BB, US7753427 BB, US7743864 BB, US7712557 BB, US7708105 BA, US7647996 BB, US7637338 BB, US7591503 BB, US7562736 BB, US7543836 BB, US7451846 BB, US7438350 BA, US7404568 BA, US7390046 BB, US7377570 BB, US7331418 BB, US7121371 BB, US7086691 BB, US6981695 BA, US6968917 BB, US6682085 BB, US6659566 BB, US6644693 BB, US6502863 BA, US6390218 BA, US6340186 BB, US6296163 BA, US6270106 BA, US6092877 A, US6042148 A, US5893424 A, US4591178 A, US2012286494 AA, US2008283326 AA, US2008246300 AA, US2008217088 AA, US2008217081 AA, US2007295546 AA, US2007054764 AA, US2005140178 AA,

Forward Citations: US9387907, US2012025558,



Abstract:
Source: US2010163329A An all terrain vehicle with a tool less maintainable drive system, and having a seat designed to be straddled by the operator. The vehicle has a frame, a plurality of wheels attached to the frame, a steering mechanism attached at least one of the plurality of wheels, an engine mounted to the frame, and a clutch attached to the engine. The vehicle contains a system of features that can be removed without the use of tools. The system has a support attached to and extending outward from the frame, a removable footrest, a receiver attached to the removable footrest and configured to mate with the support, a locking mechanism attached to the receiver to secure the removable footrest with respect to the footrest support; and a removable clutch housing.

21) Family number: 41706575 (JP2008081050A) © PatBase

Title: AIR CLEANER ARRANGEMENT STRUCTURE OF SADDLE RIDING TYPE VEHICLE

Priority: JP20060265976 20060928 JP20060265978 20060928

Family:

Publication number	Publication date	Application number	Application date
AR062964 AA	20081217	AR2007P104213	20070925
BRPI0703643 A	20080513	BR2007PI03643	20070925
CN101152838 A	20080402	CN200710161237	20070925
CN101152838 B	20100609	CN200710161237	20070925
CO5960130 A1	20080930	CO20070100012	20070926
IN02152CH2007 A	20090911	IN2007CH02152	20070925
IN247767 B	20110520	IN2007CH02152	20070925
JP2008081050 A2	20080410	JP20060265976	20060928
JP2008081052 A2	20080410	JP20060265978	20060928
JP4728925 B2	20110720	JP20060265976	20060928
MX2007011959 A1	20090203	MX20070011959	20070927
PE10732008 A1	20080908	PE20070001292	20070925
PH2007000370 A	20100405	PH20070000370	20070918
TH93450 A	20090213	TH20071004523	20070907
TW200827207 A	20080701	TW20070134710	20070917
TWI342842 B	20110601	TW20070134710	20070917

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTORS CO ; HONDA MOTOR CO

Inventor(s):(std)**:** YASUFUMI YOKURA ; YOKURA YASUFUMI ; YASUFUMI YOGURA

Inventor(s): YOGURA YASUFUMI

Agent(s): HUMBERTO RUBIO CAMACHO; EB ASTUDILLO AND ASSOCIATES

International class (IPC 8–9): B01D27/08 B01D35/30 B60K13/02 B60R16/02 B60R16/04 B62D25/00 B62J11/00 B62J23/00 B62J9/00 B62J99/00 F02M35/00 F02M35/04 H01M2/10 (Advanced/Invention); B01D27/08 B01D35/30 B60R16/00 B60R16/02 B60R16/04 B62D25/00 B62J11/00 B62J23/00 B62J9/00 B62J99/00 F02M35/00 H01M2/10 (Core/Invention)

International class (IPC 1–7): B60R16/04

CPC: Y02E60/12

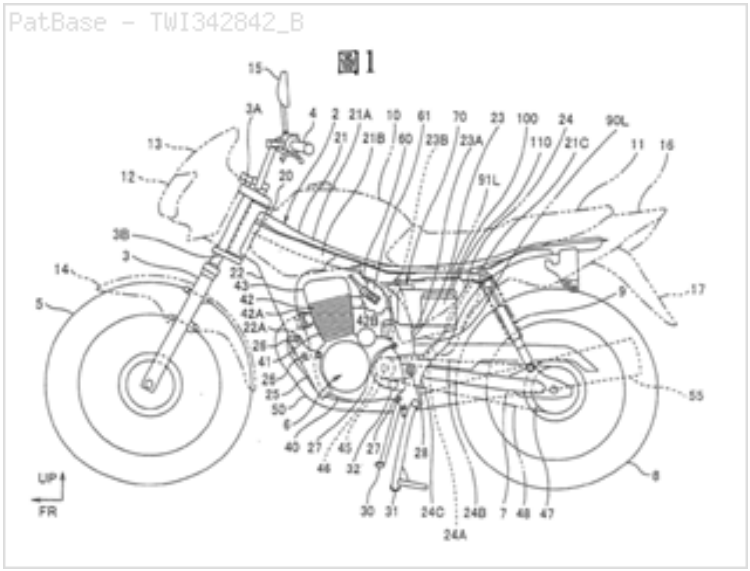
European class: Y02E60/12

Classification Explorer

Cited documents: US6830041 B2, TWM255327, TWI233463, TW557258, JP8142960 A2, JP2001088761 A2, JP2000053055 A2, JP1269685 A2, JP11171076 A2,

Forward Citations: JP5879064, JP5328580, JP2016030581, JP2014069715, JP2014015138, JP2014000933, JP2013029065, JP2011070801, EP2980883, CN104787190, CN103569267, CN103569267, CN103359220, CN103359220, CN103097235, CN103097235,

Abstract:
Source: JP2008081050A PROBLEM TO BE SOLVED: To provide an air cleaner arrangement structure of a saddle riding type vehicle, securing a volume while suppressing an amount of extension toward a side of a body. SOLUTION: An air cleaner case 71 comprises: a cover part 75 having a duct 74; a case part 73 having a connecting tube 72; and an element 76 disposed between the cover part 75 and the case part 73. An expansion part 73B expanded from the element 76 toward the body more than the connecting tube 72 and crossing a body frame 2.



0) US2003111859A – ATV WITH FENDER STORAGE COMPARTMENT

22) Family number: 29827361 (US2003111859A) © PatBase

Title: ATV with fender storage compartment

Priority: CA20012353194 20010713 US20000685995 20001011 US20030346740 20030115 US20040793105 20040303

Family:

Publication number	Publication date	Application number	Application date
CA2353194 AA	20020411	CA20012353194	20010713
CA2353194 C	20070410	CA20012353194	20010713
EP1197392 A1	20020417	EP20010850142	20010822
US2003111859 AA	20030619	US20030346740	20030115
US2004169388 AA	20040902	US20040793105	20040303
US6533339 BA	20030318	US20000685995	20001011
US6719346 BB	20040413	US20030346740	20030115

Probable Assignee: ARCTIC CAT INC

Assignee(s):(std)**:** ARCTIC CAT INC

Assignee(s): BANK OF AMERICA NA ; BANK OF AMERICA NA AGENT AS ; BETTIN TED ; ESALA MARK ; HOLTER DARREN ; JOHNSON CLIFTON ; KENNEDY CRAIG ; WELLS FARGO BANK NATIONAL ASSOCIATION

Inventor(s):(std)**:** BETTIN TED ; ESALA MARK ; HOLTER DARREN ; JOHNSON CLIFTON ; KENNEDY CRAIG

Agent(s): SIM AND MCBURNEY

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

International class (IPC 8–9)**:** B60R9/02 B62D25/18 B62J15/00 B62K19/46 B62K5/00 B62K7/00 (Advanced/Invention)

International class (IPC 1–7)**:** B60G11/06 B60R9/00 B60R9/02 B62D25/18 B62J15/00 B62J7/02

CPC: B60R9/02 B62J15/00 B62K5/01 B62K7/00 B62K19/46

European class: B60R9/02 B62J15/00 B62K19/46 B62K5/01 B62K7/00

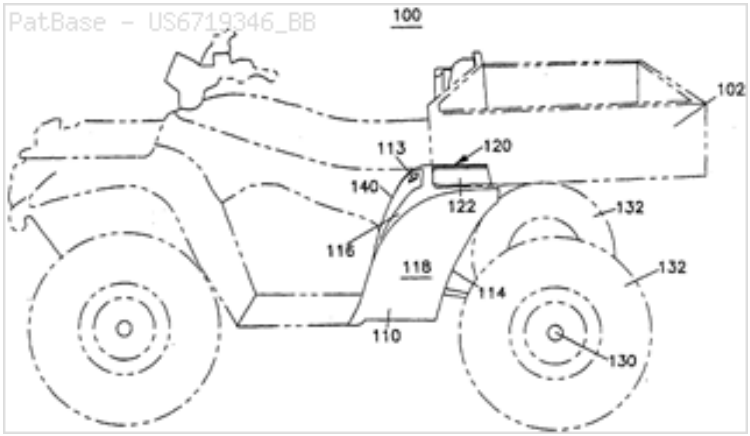
US class: 296/183.1 296/198 296/198S 296/37.1 296/37.100P 296/37.6

Classification Explorer

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Forward Citations: WO05092668, USD592557, USD592556, US9266580, US8783720, US8646668, US8622428, US8191930, US8191929, US8191677, US8002331, US7954853, US7942447, US7686365, US7658411, US7644791, US7537499, US7237636, US7216912, US7165702, US7128341, US7044527, US6705680, US6659566, US2016362041, US2011198831, US2011198830, US2010194088, US2010108428, US2009249657, US2007273135, US2007267885, US2007257516, US2007257479, US2006197331, US2006192375, US2006186699, US2006001251, US2005230992, US2004195855, FR2867728, EP1725434,

Abstract:
Source: US2003111859A An all terrain vehicle is provided with one or more wheel fenders that double as storage compartments. The fenders define a hollow volume into which a variety of desired items can be placed for storage. An access opening provides access to the hollow volume. A door can be attached to releasably close the access opening. A door can be hinged such that it is readily accessible by a driver of the ATV while seated on the ATV.



0) US2008045638A – PLASTICIZED HETERO–PHASE POLYOLEFIN BLENDS

23) Family number: 41512965 (US2008045638A) © PatBase

Title: PLASTICIZED HETERO–PHASE POLYOLEFIN BLENDS

Priority: US20020402665P 20020812 US20030634351 20030804 US20060504447 20060815 US20040782228 20040219 US20030640435 20030812 US20100722292 20100311 WO2007US15486 20070705

Family:

Publication number	Publication date	Application number	Application date
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AU2007285017 CA	20101216	AU20070285017	20070705
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US2011064931 AA	20110317	US20100722292	20100311
US8003725 BB	20110823	US20060504447	20060815
US8476360 BB	20130702	US20100722292	20100311
WO08020925 A1	20080221	WO2007US15486	20070705

Probable Assignee: EXXONMOBIL CHEMICAL PATENTS INC

Assignee(s):(std): CHAPMAN BRYAN R ; DUNAWAY DAVID B ; EXXON MOBIL CORP ; EXXONMOBIL CHEM PATENTS INC ; HARRINGTON BRUCE A ; HILL JARED M ; LUNDMARK BRUCE R ; VALENTAGE JEFFREY ; TSE MUN F

Assignee(s): EXXONMOBIL CHEMICAL PATENTS INC

Inventor(s):(std): CHAPMAN BRYAN R ; HILL JARED M ; LUNDMARK BRUCE R ; VALENTAGE JEFFREY ; TSE MUN F ; HARRINGTON BRUCE A ; DUNAWAY DAVID B ; JEFFREY VALENTAGE

Inventor(s): JARED M HILL ; BRUCE R LUNDMARK ; BRYAN R CHAPMAN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BORDEN LADNER GERVAIS LLP; GERSTBERGER GISELA; SUGIYAMA NAOTO; SHIROGANE HIROSHI; AKAMATSU TOSHIAKI; YAMASAKI YUKUZO; EXXONMOBIL CHEMICAL COMPANY; EXXONMOBIL CHEMICAL CO; CATHERINE L; NANCY T; LEANDRO; KERNS MICHAEL S

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

International class (IPC 8–9): B29C53/04 B32B27/32 C08K3/00 C08K3/26 C08K5/01 C08L23/00 C08L23/08 C08L23/10 C08L23/16 C08L23/22 C08L53/00 C08L91/00 (Advanced/Invention); C08K3/00 C08L23/00 C08L53/00 C08L91/00 (Core/Invention)

International class (IPC 1–7): C08L23/10

CPC: C08J5/18 C08J2323/08 C08J2323/16 C08L23/10 C08L23/0815 C08L23/16 C08L23/22 C08L53/00 C08L91/005 C08L2207/02

European class: C08J5/18 C08L23/10 C08L53/00 M08J323/08 M08J323/16 M08L207/02 M08L23/08A1 M08L23/16 M08L23/22 M08L91/00B

US class: 264/175 264/175S 428/220 428/220P 524/425 524/474 524/528

Classification Explorer

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Forward Citations: WO16197037, WO16196339, WO16196331, WO16162359, WO15126549, WO15100374, WO15076317, WO14044683, WO13191263, WO13141911, WO13122661, WO12162501, WO12112542, WO11159059, WO11159059, WO11143001, WO11131579, WO11100871, WO10149549, WO10005885, WO10000792, US9611692, US9562140, US9527989, US9382410, US9358772, US9346605, US9328440, US9315642, US9290646, US9279055, US9279042, US9273195, US9206304, US9200147, US9109106, US9085682, US9068063, US8915993, US8852808, US8815987, US8759427, US8748539, US8703030, US8580890, US8568843, US8557444, US8530019, US8529821, US8513347, US8476360, US8466235, US8389615, US8308974, US8217112, US8211968, US8202942, US8192813, US8129465, US8080607, US8003725, US7998579, US7985801, US7963548, US7875670, US7862671, US7795366, US7615589, US2015166766, US2015099840, US2015065649, US2014319014, US2014319013, US2014107274, US2013303043, US2013288136, US2013065006, US2012315471, US2012267368, US2012225993, US2012178883, US2012157599, US2012123033, US2012115995, US2011177272, US2011143207, US2011124738, US2011021708, US2010331503, US2010313788, US2010224825, US2010010175, US2008317990, US2008188600, US2008178489, US2008150286, US2008061468, US2007296184, US2006173123, RU2581057, RU2506288, RU2496807, KR20160108769, KR20130012065, KR101669933, KR101668146, KR101180874, JP2013237784, JP2013227472, JP2013191263, JP2010516887, JP2010163734, EP2720867, EP2720867, EP2386602, EP2248853, EP2141200, CN105593288, CN104203991, CN103958587, CN103665917, CN102892828, CN102892828, CN102858868, CN102803375, CN102382365, CN101967243,

Abstract:
Source: US2008045638A This invention relates to hetero−phase polyolefin compositions comprising: a) 30 to 99.7 wt percent of a polypropylene−based TPO comprising at least 50 wt percent propylene and at least 10 wt percent ethylene, and b) 0.1 to 20 wt percent of one or more non−functionalized plasticizer, and c) 0.2 to 50 wt percent of one or more filler; based upon the weight of the composition, and having: i) an MFR of 5 dg/min or more, and ii) a flexural modulus of 500 MPa or more, and iii) a notched Charpy impact strength at −30 degrees centigrade of 1 kJ/m^2 or more or a notched Izod impact strength at −18 degrees centigrade of 50 J/m or more. These compositions are especially useful in applications such as automotive parts that demand both high stiffness and high impact toughness, as well as good processibility during fabrication.

0) US2004206568A – TWO PERSON RUV WITH ERGONOMIC SEATING AND FEET ...

24) Family number: 30686210 (US2004206568A) © PatBase

Title: TWO PERSON RUV WITH ERGONOMIC SEATING AND FEET PLACEMENT

Priority: US20000717508 20001121 US20030735091 20031212 US20070841230 20070820 US20090408354 20090320 US20120359753 20120127

Family:

Publication number	Publication date	Application number	Application date
US2004206568 AA	20041021	US20030735091	20031212
US2007278026 AA	20071206	US20070841230	20070820
US2009250282 AA	20091008	US20090408354	20090320
US2012211290 AA	20120823	US20120359753	20120127
US6755269 BA	20040629	US20000717508	20001121
US7258192 BB	20070821	US20030735091	20031212
US7506714 BB	20090324	US20070841230	20070820
US8196692 BB	20120612	US20090408354	20090320
US8297394 BB	20121030	US20120359753	20120127

Probable Assignee: AMERICAN OFF ROAD TECHNOLOGY LLC

Assignee(s):(std)**:** AMERICAN OFF ROAD TECHNOLOGIES ; AMERICAN OFF ROAD TECHNOLOGIES LLC ; AMERICAN OFF ROAD TECHNOLOGY LLC ; DAVIS ERIC A ; DAVIS RICHARD A ; KLEISER RUSSELL R

Assignee(s): ODYSSEY MANU CTURING FA ; ODYSSEY MFG ; KLOISER RUSSELL R ; ODYSSEY MFG LLC

Inventor(s):(std)**:** DAVIS ERIC A ; DAVIS RICHARD A ; KLEISER RUSSELL R ; KLOISER RUSSELL R

Inventor(s): KLEISER RUSSELL ; DAVIS RICHARD ; DAVIS ERIC

Agent(s): WHYTE HIRSCHBOECK DUDEK S C; WHYTE HIRSCHBOECK DUDEK S C,INTELLECTUAL PROPERTY DEPARTMENT; WHYTE HIRSCHBOECK DUDEK S C INTELLECTUAL PROPERTY DEPARTMENT; WHYTE HIRSCHBOECK DUDEK SC

International class (IPC 8–9)**:** B60K17/34 B60K5/00 B60N2/38 B62D21/00 B62D21/11 B62D23/00 B62D25/20 B62D25/22 B62D39/00 B62D63/00 B62D63/02 B62K5/00 (Advanced/Invention); B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D21/00 B62D39/00

CPC: B60G11/50 B60G21/0551 B60G2200/142 B60G2202/135 B60G2202/312 B60G2204/1224 B60G2204/128 B60G2204/43 B60G2204/4307 B60G2206/124 B60G2300/124 B60N2/38 B60N3/066 B62D63/00 B62J25/00 B62K5/01 F16F9/512 Y10S180/908

European class: B60G11/50 B60G21/055B B60N2/38 B60N3/06W B62D39/00 B62D63/00 B62J25/00 B62K5/01 F16F9/512 L60G200/142 L60G202/135 L60G202/312 L60G204/1224 L60G204/128 L60G204/43 L60G204/4307 L60G206/124 L60G300/124

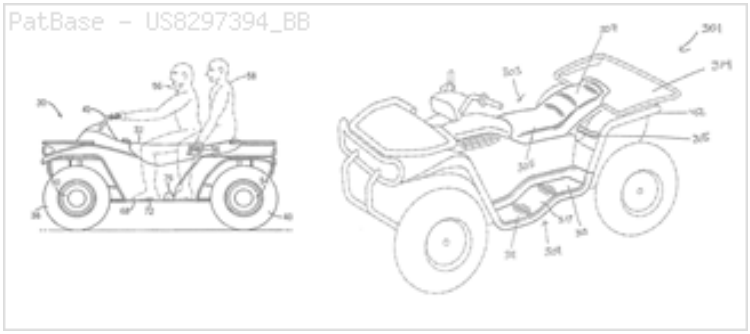
US class: 180/233 180/291 180/311 180/312 180/54.1 180/54.100P 180/89.1 180/90.6 180/90.600P 180/90.600S 180/908 280/163 280/29 280/291 280/29S 280/788 280/788S 296/1.02 296/75 297/195.12

Classification Explorer

Cited documents: USD415448 S1, USD299324 S1, US7506714 BB, US7331418 BB, US7258192 BB, US6981695 BA, US6968917 BB, US6799781 BB, US6755269 BA, US6659566 BB, US6357542 BA, US6343669 BB, US6340210 BA, US6340186 BB, US6296073 BA, US6279931 BA, US6270106 BA, US6206121 BA, US6182784 BA, US6139247 A, US6116630 A, US5975624 A, US5915329 A, US5893424 A, US5882017 A, US5845918 A, US5794976 A, US5746275 A, US5716042 A, US5706042 A, US5699872 A, US5597180 A, US5544937 A, US5527061 A, US5467839 A, US5456138 A, US5217245 A, US5078026 A, US4998966 A, US4969373 A, US4804221 A, US4691963 A, US4664208 A, US4563038 A, US4527831 A, US4458910 A, US4451057 A, US4426796 A, US4269084 A, US4247030 A, US3896499 A, US2004031640 AA, US2003102694 AA, US2002117843 AA, JP2000313318 A2, EP0953499 A2,

Forward Citations: WO14160119, WO09099588, WO08100398, WO08100398, WO06040563, USD710947, USD614934, USD595188, USD581685, USD574296, US9434244, US9365251, US9340248, US9321494, US9266580, US9217501, US9211924, US9102205, US9080514, US9038502, US8944449, US8905435, US8794106, US8783720, US8678464, US8641117, US8622428, US8596398, US8485303, US8430442, US8297394, US8226120, US8215694, US8196692, US8191930, US8191929, US8191677, US8091657, US8075007, US7954853, US7942447, US7942224, US7845452, US7802806, US7757799, US7743864, US7713102, US7594671, US7543836, US7530420, US7506714, US7445075, US7404568, US7343998, US7121371, US7097188, US6968917, US2015165886, US2014345964, US2014319801, US2013026776, US2012193163, US2011240393, US2011219911, US2011215541, US2011198831, US2011198830, US2011101743, US2010320023, US2010084212, US2010019524, US2009308039, US2009250282, US2009195035, US2009071738, US2008284124, US2008283327, US2008283326, US2008246300, US2008217088, US2008115991, US2008030040, US2008029990, US2007278026, US2006192375, US2006172626, US2006019790, US2005247506, US2005150706, US2005103558, US2004201197, US2004129485, US2004129484, US2004108159, US2004079561, US2004031640, US2003102694, JP4763705, JP2008516836, EP1836064, EP1674317, DE102015203451, DE102004033827, CN103029546, CN103029546,

Abstract:
Source: US2004206568A A two or more person RUV (recreational utility vehicle) is provided with a multi−place multi−planar saddle seat assembly, multi−place multi−planar foot board assemblies, and grip handles.



0) US2004134952A – ALL TERRAIN VEHICLE AND RACK THEREFOR

25) Family number: 30545267 (US2004134952A) © PatBase

Title: ALL TERRAIN VEHICLE AND RACK THEREFOR

Priority: US20020411034P 20020917 US20030664062 20030917 CA20032440948 20030917

Family:

Publication number	Publication date	Application number	Application date
CA2440948 AA	20040317	CA20032440948	20030917
US2004134952 AA	20040715	US20030664062	20030917

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; CREPEAU JEAN PHILLIPE ; GUILLEMETTE JEAN ; LABERGE NICOLAS ; MORIN VINCENT

Inventor(s):(std)**:** CREPEAU JEAN PHILLIPE ; GUILLEMETTE JEAN ; LABERGE NICOLAS ; MORIN VINCENT

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** B60R9/00 B60R9/06 (Advanced/Invention)

International class (IPC 1–7)**:** B60R7/00 B60R9/06

CPC: B60R9/00

European class: B60R9/00

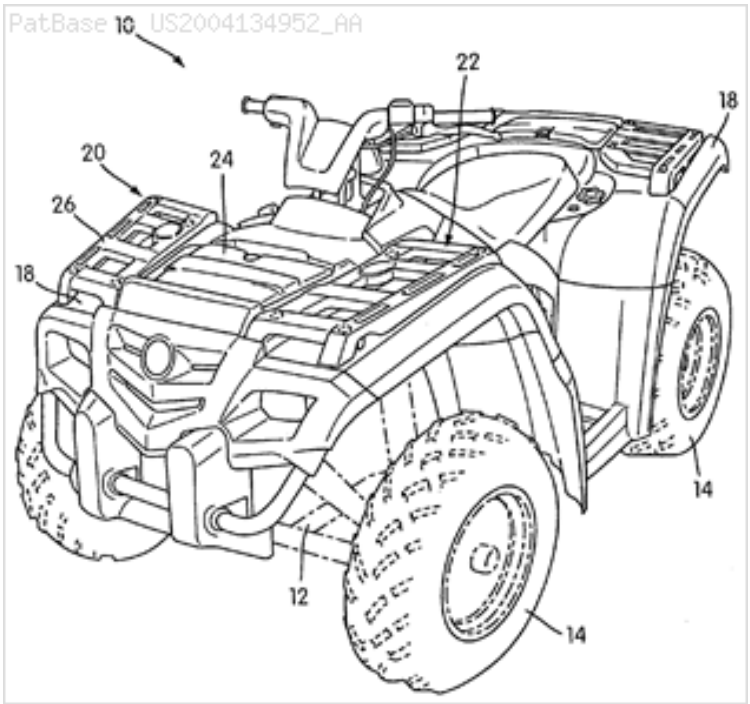
US class: 224/400 224/400P

Classification Explorer

Cited documents: US6874590 BB, US6523634 BA, US6296163 BA, US6016943 A, US5573162 A,

Forward Citations: US8622266, US7845528, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US2009001781, US2009001762, US2009001745, US2009001704, US2008272165, US2008169322, US2008025812, US2008023991, US2008023990, US2008023989,

Abstract:
Source: US2004134952A An all terrain vehicle is disclosed that includes a frame, a plurality of wheels that are suspended from the frame, and a support that is fixedly attached to the frame. A fender is fixedly attached to the support and a storage rack disposed above the frame and supported by at least one of the support and the fender. The storage rack includes at least two separate sections.



0) US2012104840A – TRACK ASSEMBLY FOR PROVIDING TRACTION TO AN OFF...

26) Family number: 51044414 (US2012104840A) © PatBase

Title: TRACK ASSEMBLY FOR PROVIDING TRACTION TO AN OFF–ROAD VEHICLE SUCH AS AN ALL–TERRAIN VEHICLE (ATV) OR A SNOWMOBILE

Priority: CA20112756859 20111101 US20100409354P 20101102 US20110287280 20111102 US20150947168 20151120

Family:

Publication number	Publication date	Application number	Application date
CA2756859 AA	20120502	CA20112756859	20111101
US2012104840 AA	20120503	US20110287280	20111102
US2016075386 AA	20160317	US20150947168	20151120
US9211921 BB	20151215	US20110287280	20111102

Probable Assignee: CAMSO INC

Assignee(s):(std)**:** CAMOPLAST SOLIDEAL INC ; CAMSO INC ; JEAN BERNARD ; ZUCHOSKI JEREMIE

Assignee(s): CANADIAN IMP BANK OF COMMERCE AGENT AS

Inventor(s):(std)**:** JEAN BERNARD ; ZUCHOSKI JEREMIE

Agent(s): SMART AND BIGGAR; FISH AND RICHARDSON PC

International class (IPC 8–9): B62D55/08 B62D55/084 B62D55/088 B62D55/10 B62D55/14 (Advanced/Invention); B62D55/065 B62D55/104 B62D55/12 B62D55/14 B62K5/01 B62M27/02 (Advanced/Non–invention)

CPC: B62D55/10 B62D55/065 B62D55/104 B62D55/12 B62K5/01 B62M27/02 B62M2027/027 B62D55/0845 B62D55/088 B62D55/084 B62D55/14

European class: B62D55/065 B62D55/084 B62D55/10 B62D55/104 B62D55/12 B62D55/14 B62K5/01 B62M27/02 L62M27/02G

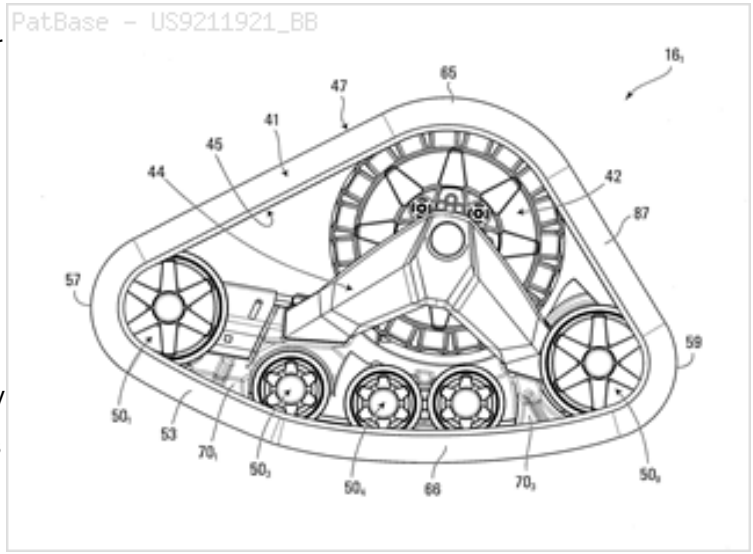
US class: 1/1 305/100 305/100P 305/142 305/142S

Classification Explorer

Cited documents: USD556791 S1, USD528133 S1, USD505136 S1, USD488171 S1, USD476599 S1, USD298018 S1, US7980639 BB, US7832814 BB, US7708092 BB, US7597161 BB, US7497530 BB, US7464997 BB, US7131508 BB, US6874586 BB, US6401847 BA, US6209669 BA, US6095275 A, US5611572 A, US4981188 A, US4650259 A, US2013134773 AA, US2013134772 AA, US2012001478 AA, US2011315459 AA, US2011148189 AA, US2011068620 AA, US2010012399 AA, US2009194345 AA, US2007240917 AA, US2007170777 AA, US2004239092 AA, US1992702 A, US1741878 A, JP4123987 A2, JP2204182 A2, JP2008260344 A2, CA2701662 AA,

Forward Citations: USD682161, USD682160, USD682159, US9511805, US9334001, US9162718, US9067631, US8967737, US8662214, US8632138, US2015345109, US2015136497, US2011260527, US2011148189,

Abstract:
Source: US2012104840A A track assembly for traction of an off−road vehicle, such as an all−terrain vehicle (ATV) or a snowmobile, is disclosed. The track assembly comprises a plurality of track−contacting wheels, which comprises: a drive wheel; and a plurality of idler wheels spaced apart in a longitudinal direction of the track assembly. The track assembly also comprises an endless track disposed around the track−contacting wheels. A frame of the track assembly may comprise a hollow frame structure. The hollow frame structure may be dimensioned to impede accumulation of snow, mud, rocks, debris, etc. in the track assembly. The track assembly may comprise interwheel guides between longitudinally adjacent ones of the idler wheels to contact a bottom run of the endless track, and/or fenders adjacent to given ones of the idler wheels. The frame's hollowness, the interwheel guides, and/or the fenders may be realized during molding of a portion of the frame using a blow molding or other fluid−based molding process.



27) Family number: 55717856 (US2015203661A) © PatBase

Title: IMPROVED NATURAL RUBBER COMPOSITIONS

Priority: AU20120386614 20120802 AU20120386839 20121029 WO2012MY00221 20120802 WO2012IB02563 20121029 WO2013IB58143 20130830 EP20120781482 20120802

Family:

Publication number	Publication date	Application number	Application date
AP201508241 A0	20150131	AP20150008241	20120802
AP201508258 A0	20150228	AP20150008258	20121029
AR092039 AA	20150318	AR2013P102755	20130802
AR096863 AA	20160203	AR2014P102547	20140710
AU2012386614 AA	20140206	AU20120386614	20120802
AU2012386614 BB	20160519	AU20120386614	20120802
AU2012386839 AA	20140206	AU20120386839	20121029
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AU2013399480 AA	20150305	AU20130399480	20130830
CA2879863 AA	20150122	CA20122879863	20120802
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CA2879925 AA	20150122	CA20122879925	20121029
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JP2015529717 T2	20151008	JP20150524852T	20121029
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TW201508025 A	20150301	TW20140126044	20140730	
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US2016185934 AA	20160630	US20130908792	20130830	
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WO14020374 A3	20141231	WO2012IB02563	20121029	
WO14021704 A1	20140206	WO2012MY00221	20120802	
WO15028845 A1	20150305	WO2013IB58143	20130830	

Probable Assignee: AMRIL AG

Assignee(s):(std)**:** AMRIL AG ; ISMAIL SURINA ; SAMSURI AZEMI BIN

Assignee(s): BIN SAMSURI AZEMI

Inventor(s):(std)**:** AZEMI BIN SAMSURI ; BIN SAMSURI AZEMI ; ISMAIL SURINA ; SAMSURI AZEMI BIN ; SURINA ISMAIL

Agent(s): MACPHERSON AND KELLEY LAWYERS; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; HERNANDEZ YORCK DIPL ING; WILSON GARY; EDWARDS FIONA ANNE; YAMAZAKI HIROSHI; TANAKA MITSUO; SMITH MOORE LEATHERWOOD LLP; PHILIP P; SIAW YEAN HWA TIMOTHY; HARRISON GODDARD FOOTE LLP

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 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)**:** B60C1/00 B60C5/14 B63B59/02 B82Y30/00 B82Y40/00 C01B31/00 C01B31/02 C08C1/14 C08C19/00 C08J3/20 C08J3/215 C08J3/22 C08J3/24 C08K3/00 C08K3/04 C08K3/22 C08K5/00 C08K5/09 C08K5/18 C08K5/47 C08K7/00 C08L15/00 C08L7/00 C08L7/02 E01D19/04 E02B3/26 E04H9/02 F16F1/36 F16F15/08 (Advanced/Invention); C08K7/00 (Advanced/Non–invention); C08K3/04 C08K7/00 C08L7/00 (Core/Invention)

CPC: C08L7/00 C08L7/02 C08K3/22 C08K5/09 C08K5/18 C08K2003/045 C08K2003/2296 C08K3/04 C08K5/47 C08K7/00 C08K2201/011 B63B59/02 C08J3/226 C08J2407/00 C08K2201/014 E01D19/041 F16F1/36 E04H9/022 C08J3/24 E02B3/26 C08K5/0025 C08K5/005 C08K3/0041 C08K3/0016

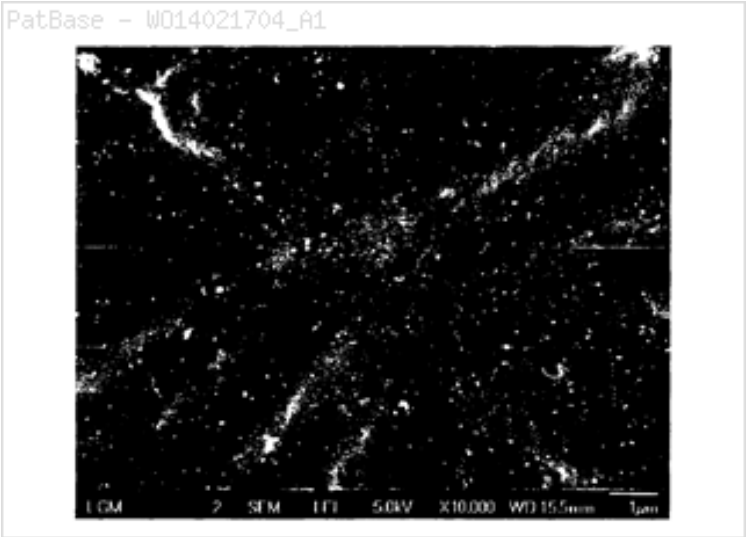
US class: 1/1 524/575.5

Classification Explorer

Cited documents: WO12080160 A1, WO12080159 A1, WO12080158 A1, WO03060002 A1, WO03006002 A1, US6048923 A, US2013079444 AA, US2012190772 AA, US2011146859 AA, US2010234514 AA, US2010201023 AA, TW201313803, MY2012000221, KR20050027415 A, JP2009191198 A2, JP2009137437 A2, JP2006193620 A2, JP2005046605 A2, JP2004210830 A2, JP2004101958 A2, EP2366559 A1, EP2338697 A1, EP1749853 A2, EP1659158 A2, EP1466940 A1, CN1891740 A, CN1673261 A, CN1663991 A, CN1615336 A, CN102936360, CN102101919 A, CN101831090 A, CN101381483 A,

Forward Citations: WO16045960, WO16027254, US2014243448, US2014235751, KR101703626, GB2530526, GB2530526, CN104710660, CN104072834, CN104072827,

Abstract:
Source: US2015203661A There is herein described improved natural rubber compositions having nanocarbon and carbon black as reinforcing agents wherein the nanocarbon is uniformly pre−dispersed within the rubber component. In particular there is described rubber compositions comprising a mixture of natural rubber, nanocarbon and carbon black wherein the relative amount in parts per hundred rubber (pphr) of nanocarbon to carbon black is in the range of about 1:40 to about 1:2 and the relative amount in parts per hundred rubber (pphr) of nanocarbon to natural rubber is in the range of about 1:100 to about 10:100 and wherein the nanocarbon component is pre−dispersed within the natural rubber component.



0) US2006289215A – REAR FENDER AND REAR CARRIER BAR

28) Family number: 34035000 (US2006289215A) © PatBase

Title: REAR FENDER AND REAR CARRIER BAR

Priority: US20050150764 20050610

Family:

Publication number	Publication date	Application number	Application date
US2006289215 AA	20061228	US20050150764	20050610
US7350854 BB	20080401	US20050150764	20050610

Probable Assignee: YAMAHA MOTOR MFG CORP OF AMERICA

Assignee(s):(std)**:** YAMAHA MOTOR MFG CORP OF AMERI

Assignee(s): YAMAHA MOTOR MFG CORP OF AMERICA ; YAMAHA MOTOR MFG OF AMERICA CORP ; YAMAHA MOTOR MFG CORP

Inventor(s):(std)**:** HARPER BRYAN

Agent(s): YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT LLP

International class (IPC 8–9)**:** B60R27/00 B60R99/00 B62D21/00 B62D23/00 B62D31/00 B62D33/00 B62D39/00 (Advanced/Invention); B60R99/00 B62D21/00 B62D23/00 B62D31/00 B62D33/00 B62D39/00 (Core/Invention)

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01

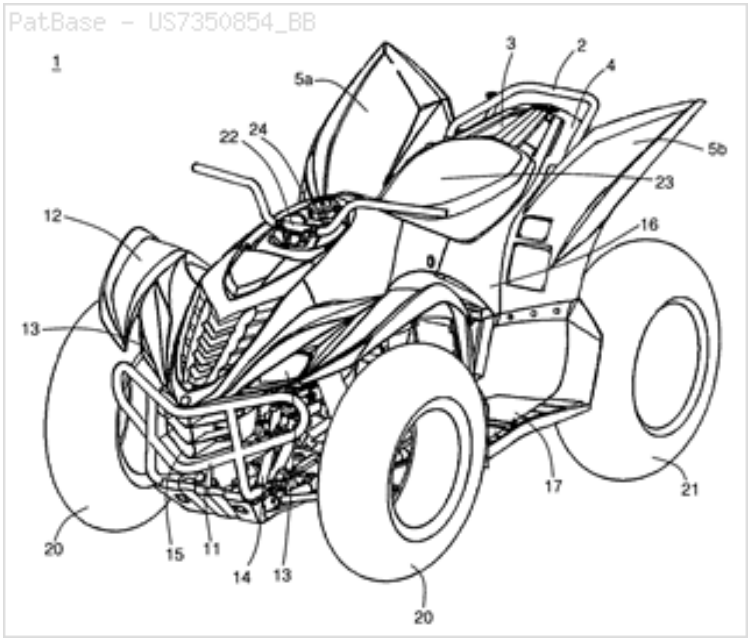
US class: 180/311 180/89.1 180/89.100P 224/401 224/423 224/454 296/198

Classification Explorer

Cited documents: US6460907 BB, US4440330 A, US4300706 A, US2007241157 AA, US2004251288 AA, US2004216935 AA, US2003066853 AA,

Forward Citations: US8967315, US8925965, US7740100, US7708105, US7581784, US2013069354, US2007114814, US2006231308,

Abstract:
Source: US2006289215A An all terrain vehicle includes a main body and a rear fender mounted on a rear portion of the main body. The rear fender includes a rear central portion and two lateral portions extending from the rear central portion. The rear central portion of the rear fender defines a carrier surface with no bars or other members disposed on or above the carrier surface defined by the rear central portion of the rear fender. The rear central portion of the rear fender having a length that is greater than a width thereof. The rear carrier bar is arranged substantially parallel to, when viewed from above, at least a portion of an outer periphery of the rear central portion of the rear fender.



0) US2005217912A – ALL TERRAIN VEHICLE

29) Family number: 32284284 (US2005217912A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: CA20052502056 20050323 JP20040107907 20040331 JP20040107973 20040331 JP20040108296 20040331 JP20040108564 20040331

Family:

Publication number	Publication date	Application number	Application date
CA2502056 AA	20050930	CA20052502056	20050323
CA2502056 C	20090630	CA20052502056	20050323
CN100379639 C	20080409	CN200510056095	20050323
CN1676402 A	20051005	CN200510056095	20050323
JP2005289222 A2	20051020	JP20040107907	20040331
JP2005289225 A2	20051020	JP20040107973	20040331
JP2005289231 A2	20051020	JP20040108296	20040331
JP2005289234 A2	20051020	JP20040108564	20040331
US2005217912 AA	20051006	US20050086761	20050323
US7367573 BB	20080506	US20050086761	20050323

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): KOKUBU TAKAHIRO ; KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; HONDA MOTOR CO

Inventor(s):(std)**:** KAZUHIRO KUDO ; KOKUBU TAKAHIRO ; KUDO KAZUHIRO ; NAKAZAWA TETSUYA ; TAKAHIRO KOKUBU ; TETSUYA NAKAZAWA

Agent(s): DENNISON ASSOCIATES; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

International class (IPC 8–9): B60G13/08 B60G3/20 B62D21/10 B62D21/11 B62D21/18 B62D23/00 B62J1/12 B62J1/28 B62J15/00 B62J23/00 B62J6/04 B62J99/00 B62K19/12 B62K25/04 B62K5/00 B62M7/06 (Advanced/Invention);
B62K5/00 (Advanced/Non–invention);
B60G13/00 B60G3/18 B62J1/00 B62J15/00 B62J23/00 B62J6/00 B62J99/00 B62K19/00 B62K25/04 B62K5/00 B62M7/00 (Core/Invention);
B62K5/00 (Core/Non–invention)

International class (IPC 1–7): B60G13/08 B60G3/20 B62D21/11 B62D21/18 B62D23/00 B62J1/12 B62J1/28 B62J15/00 B62J23/00 B62J39/00 B62J6/04 B62K19/12 B62K25/04 B62K5/00 B62M7/06

CPC: B62K5/01 B62K2005/001

European class: B62K5/01 L62K5/00B

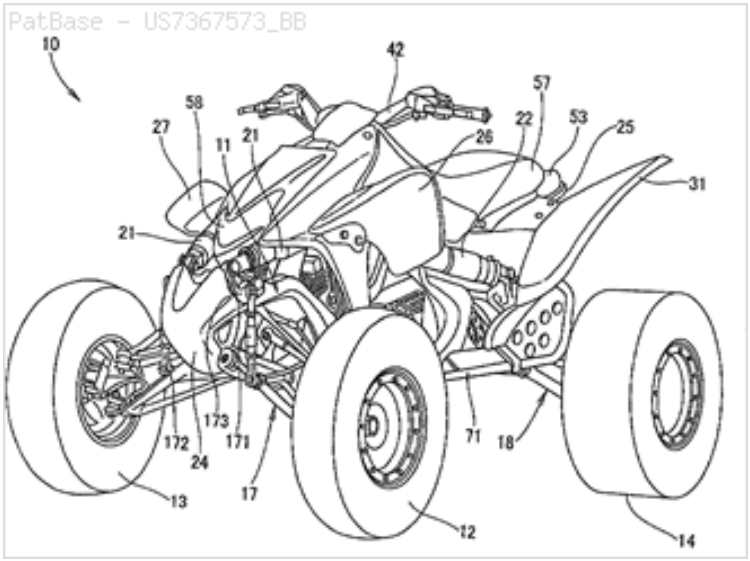
US class: 180/89.1 180/89.100P 280/124.109 280/850 296/199

Classification Explorer

Cited documents: US7231996 BB, US6938676 BB, US6702307 BB, US6695089 BB, US6588529 BB, US6571904 BB, US6547027 BA, US6460907 BB, US6360839 BA, US5577570 A, US4685530 A, US4600074 A, US2007178977 AA, US2007142162 AA, US2007007758 AA, US2006254842 AA, US2006076742 AA, US2006061052 AA, US2005217912 AA, US2004188156 AA, US2002117843 AA, US2002041076 AA, JP63048690 A2, JP62066894 A2, JP2671346 B2, JP2671346, CN2463013 Y,

Forward Citations: WO09148991, USD592116, US9121319, US8272920, US7988524, US7950736, US7887074, US7883099, US7624835, US7497451, US7367573, US2010216372, US2009273196, US2009036021, US2008203795, US2006264151, US2006220341, JP5014858, JP2008238995, GB2480639, GB2480639, ES2350129, EP2303423, CN103950492, CN103895714, CN103895714, CN103347772, CN103347772,

Abstract:
Source: US2005217912A A front frame portion of an underframe which constitutes a lower portion of a vehicle body frame is formed in a triangular shape, and, at the same time, the front frame portion of the underframe is formed in a peaked shape in a plan view. The underframe is integrally formed by casting. An upper arm and a lower arm which support left and right front wheels are respectively mounted on the left and right sides of the front frame portion.



0) US2004188156A – FRONT END COMPONENTS FOR A SADDLE–TYPE VEHICLE ...

30) Family number: 30893985 (US2004188156A) © PatBase

Title: FRONT END COMPONENTS FOR A SADDLE–TYPE VEHICLE

Priority: CA20042457786 20040216 CA20042457786 20040216 JP20030038800 20030217 JP20030038801 20030217 JP20030038802 20030217

Family:

Publication number	Publication date	Application number	Application date
AU2004200511 AA	20040902	AU20040200511	20040210
AU2004200511 BB	20090521	AU20040200511	20040210
CA2457786 AA	20040817	CA20042457786	20040216
CA2457786 C	20070911	CA20042457786	20040216
JP2004243992 A2	20040902	JP20030038800	20030217
JP2004243993 A2	20040902	JP20030038801	20030217
JP2004243994 A2	20040902	JP20030038802	20030217
JP4030891 B2	20080109	JP20030038802	20030217
JP4255713 B2	20090415	JP20030038800	20030217
JP4330899 B2	20090916	JP20030038801	20030217
US2004188156 AA	20040930	US20040759380	20040116
US7231996 BB	20070619	US20040759380	20040116

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): KAITA KIHOKO ; NAKANO NOBUHIKO ; KARUBE SHINICHI ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA MOTOR CO

Inventor(s):(std)**:** AIDA KIOKO ; KAITA KINOKO ; KIHOKO KAITA ; NOBUHIKO NAKANO ; SHINICHI KARUBE ; NAKANO NOBUHIKO ; KARUBE SHINICHI ; KAITA KIHOKO

Agent(s): SPRUSON AND FERGUSON; DENNISON ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES PC; JOSEPH P; WILLIAM D

International class (IPC 8–9)**:** B60R19/00 B62D25/08 B62J15/00 B62J17/02 B62J23/00 B62J6/02 B62J99/00 B62K5/00 (Advanced/Invention); B60R19/00 B62D25/08 B62J15/00 B62J17/00 B62J23/00 B62J6/00 B62J99/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60K11/04 B60R19/00 B62D25/08 B62D25/10 B62J15/00 B62J23/00 B62J39/00 B62J6/02 B62K5/00

CPC: B62J17/02

European class: B62J17/02

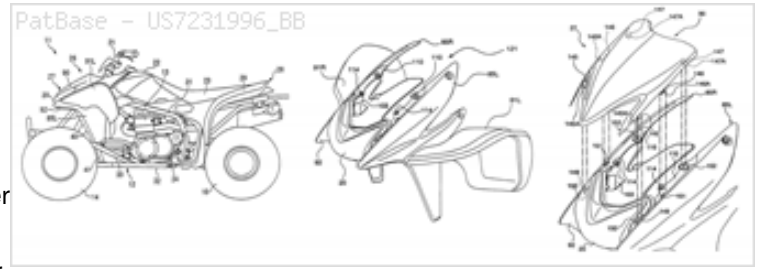
US class: 180/68.4 180/68.6 180/69.24

Classification Explorer

Cited documents: US6820708 BB, US6622666 BB, US6547027 BA, US6523634 BA, US5620217 A, US4667758 A, JPB716551, JP9328088, JP9123969, JP8295262 A2, JP716551, JP7019968 Y2, JP7016551 A2, JP63000973 U, JP62102789 U, JP62076792 U, JP62076790 U, JP62029273 B2, JP61220984, JP58059692 U, JP3109185 A2, JP3109185, JP2603957 B2, JP2003306185, JP2002234477, JP2002220076, JP2000153780 A2, JP1218987 A2, JP09123969, JP07019968 Y2, JP03109185,

Forward Citations: US8770330, US8042869, US8042636, US7984780, US7762367, US7731263, US7624829, US7597387, US7591503, US7549676, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7510037, US7438350, US7410191, US7367573, US7328764, US2013015007, US2009273196, US2009058141, US2009001781, US2009001762, US2009001745, US2009001704, US2008236918, US2008190678, US2008093147, US2008025812, US2008023991, US2008023990, US2008006458, US2007169975, US2006065454, US2006049623, US2006048985, US2005217912, TWI495580, JP5752226, JP5205168, JP4593446, JP2015123786, JP2010036606, JP2009056960, JP2007137277, EP2610150, EP1914155,

AU2008200724, AU2005203454,



Abstract:
Source: US2004188156A A front cover structure for a saddle−type vehicle, in which the cost of replacement in damage and the manufacturing cost can be reduced and a degree of the freedom of design appearance can be enhanced. In the front cover structure for a saddle−type vehicle in which a front cover 27 is provided so that it encloses a headlight 20 in the center of the front of the body, the front cover 27 is divided into a center cover for placement covering a top central front portion of the vehicle body, a left shroud 85L provided for placement on the left side of the center cover, and a right shroud 85R provided for placement on the right side of the center cover. The left shroud 85L and the right shroud 85R are coupled via the headlight 20.

0) US2001047896A – ELECTRICAL OUTLET ARRANGEMENT FOR ATV

31) Family number: 28154170 (US2001047896A) © PatBase

Title: Electrical outlet arrangement for ATV

Priority: JP19990120560 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313383 A2	20001114	JP19990120560	19990427
US2001047896 AA	20011206	US20000560300	20000427
US6533055 BB	20030318	US20000560300	20000427

Probable Assignee: YAMAHA HATSUDOKI KK

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

Assignee(s): MATSUURA TATSUYA ; SUZUKI YASUHIRO ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std): MATSUURA TATSUYA ; SUZUKI YASUHIRO

International class (IPC 8–9): B62D25/12 B62J99/00 (Advanced/Invention) ; B62D25/10 B62J99/00 (Core/Invention)

International class (IPC 1–7): B60R19/00 B62D25/12 B62D39/00 B62J39/00

CPC: B62D25/12

European class: B62D25/12

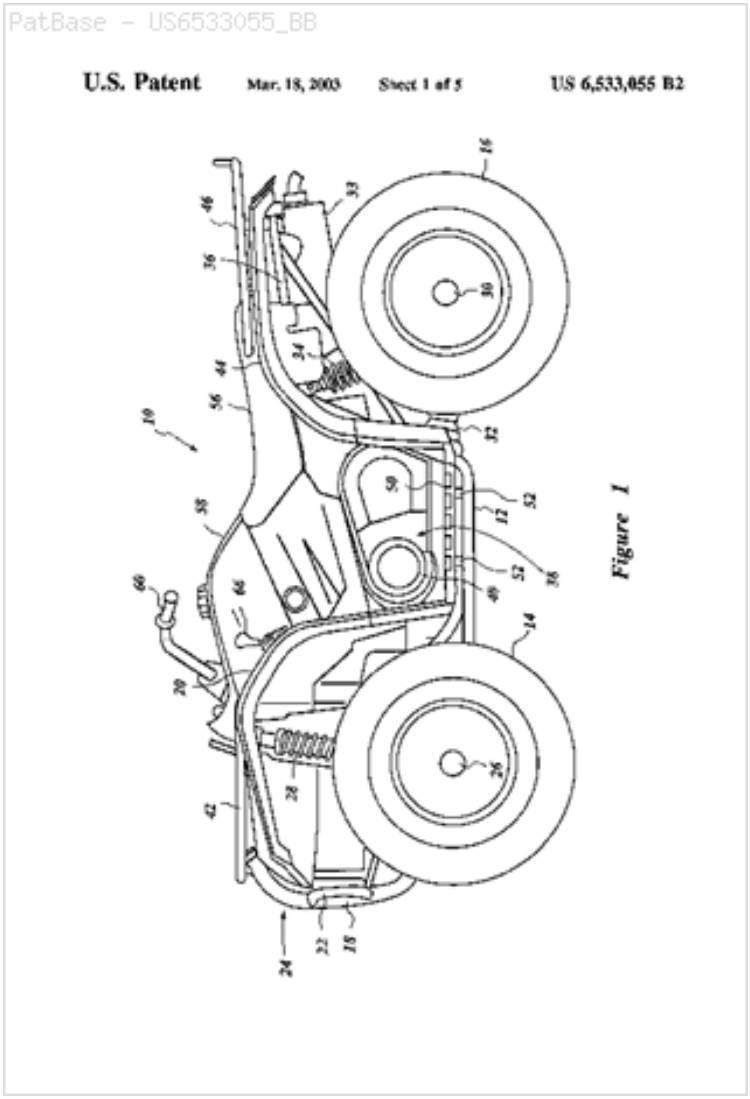
US class: 180/69.24 180/89.1 280/727 293/1 296/198

Classification Explorer

Cited documents: US6340177 BA, US5563451 A, US5364142 A, US4837494 A, US4807895 A, US4785227 A, US4713017 A, US4249035 A, US4113045 A, JP61050834 A2,

Forward Citations: WO14157372, USD592557, USD592556, US8985253, US8903622, US7740100, US7673713, US7607368, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7261174, US6987328, US2009001781, US2009001762, US2009001745, US2009001704, US2008099257, US2008025812, US2008023991, US2008023990, US2008023989, US2006231308, US2004216935, JP5965055, JP4327571, JP2014157372, JP2009040087, JP2005153687, EP2548781, EP2202137,

Abstract:
Source: US2001047896A An arrangement for an electrical outlet for an all terrain vehicle is provided. The all terrain vehicle comprises a frame defining an engine compartment. The frame is supported by at least one front wheel and at least one rear wheel. A fender assembly is disposed above one or more of the wheels and has a recess formed therein. An electrical outlet is at least partially disposed in the recess. The recess includes a sloping lower surface to facilitate drainage. A hood is disposed above the recess and protects the electrical outlet.



0) US2006237502A – MATING RECEIVER RACK FOR PERSONAL RECREATIONAL ...

32) Family number: 33538063 (US2006237502A) © PatBase

Title: MATING RECEIVER RACK FOR PERSONAL RECREATIONAL VEHICLES

Priority: CA20062541084 20060327 EP20060112931 20060421 US20020172531 20020613 US20050112980 20050422

Family:

Publication number	Publication date	Application number	Application date
CA2541084 AA	20061022	CA20062541084	20060327
CA2541084 C	20150630	CA20062541084	20060327
EP1714861 A1	20061025	EP20060112931	20060421
EP2314503 A2	20110427	EP20100183779	20060421
EP2314503 A3	20110504	EP20100183779	20060421
US2006237502 AA	20061026	US20050112980	20050422
US7854460 BB	20101221	US20050112980	20050422

Probable Assignee: ARCTIC CAT INC

Assignee(s):(std)**:** HUGHES RYAN ; KALSNES KENNETH Q ; MICHALKE TIM ; WOLTER DOUGLAS ; SOLBERG RONALD G ; TWEET OLE E ; ARCTIC CAT INC

Assignee(s): BANK OF AMERICA NA ; WELLS FARGO BANK NATIONAL ASSOCIATION

Inventor(s):(std)**:** HUGHES RYAN ; KALSNES KENNETH Q ; MICHALKE TIM ; SOLBERG RONALD G ; TWEET OLE E ; WOLTER DOUGLAS

Inventor(s): TWEET OLE ; SOLBERG RONALD ; KALSNES KENNETH

Agent(s): SIM AND MCBURNEY; JOERGENSSON LEIF SIXTEN; BLACK LOWE AND GRAHAM PLLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): B60N2/02 B60R7/00 B60R9/00 B60R9/06 B62D31/00 B62D33/02 B62J7/00 B62J7/08 B62J9/00 B62K5/06 (Advanced/Invention); B60R7/00 B60R9/00 B62J7/00 B62J9/00 (Core/Invention)

CPC: Y10S180/908 B62D33/02 B62D31/003 B62J7/00 B62K5/01

European class: B62D31/00B B62D33/02 B62J7/00 B62K5/01

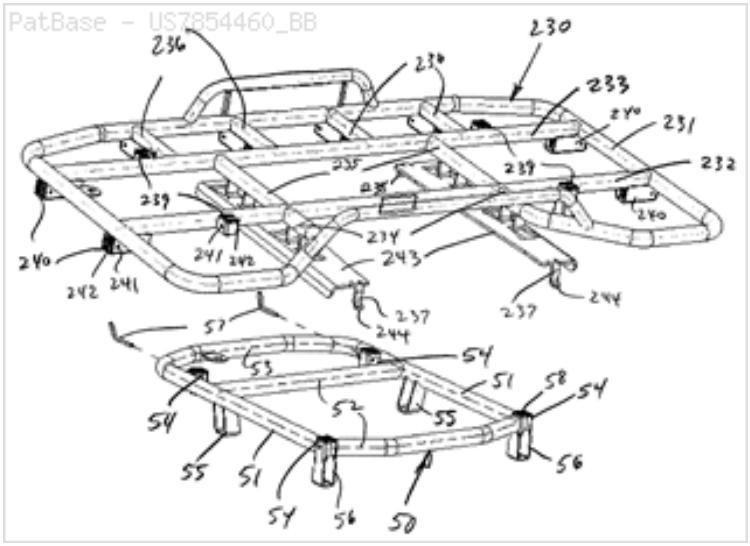
US class: 180/908 224/401 224/42.32 224/42.320S 224/539 280/769 296/3 296/37.1 296/65.03 297/195.13

Classification Explorer

Cited documents: WO9620865 A1, US7377570 BB, US7165702 BA, US6793108 BB, US6626748 BB, US6502728 BB, US6461095 BA, US6378748 BA, US5878147 A, US5876147 A, US5662451 A, US4614252 A, US4563038 A, US2003230607 AA, GB2339414 A1, EP1371520 A2,

Forward Citations: WO15054311, WO10043837, USD713775, US9168875, US8925965, US8646669, US8646668, US8632119, US8622266, US8474561, US8322964, US8146944, US8096582, US7845528, US2016221512, US2013076062, US2013069354, US2012318597, US2011229293, US2011198142, US2010301592, US2010213695, US2009206624, US2008272165, US2008169322,

Abstract:
Source: US2006237502A A receiver rack includes a main framework piece that is attached to a mounting surface of the personal recreational vehicle. The main framework may be flat and may be fashioned generally in the image of a cargo rack. The main framework may have mounting flanges for facilitating its connection to the recreational vehicle. The main framework includes at least one coupler mounted thereon. The coupler enables the main framework to be joined to one or more auxiliary frame pieces that contain at least one coupling member that mates with the coupler of the main framework. The coupler may also be used for joining a variety of seating and cargo units to the main framework.



0) US2008017432A – RECUMBENT TWO–WHEELED MOTOR VEHICLE WITH LOW CE...

33) Family number: 34354113 (US2008017432A) © PatBase

Title: RECUMBENT TWO–WHEELED MOTOR VEHICLE WITH LOW CENTER OF GRAVITY PROVIDING OPTIONAL ELLIPTICAL FRAME RIDER PROTECTION IN SIX DEGREES

Priority: US20040522334P 20040916 US20040522347P 20040917 US20050229006 20050916

Family:

Publication number	Publication date	Application number	Application date
US2008017432 AA	20080124	US20050229006	20050916
WO07035571 A2	20070329	WO2006US36184	20060916
WO07035571 A3	20090423	WO2006US36184	20060916
WO07035571 C2	20070726	WO2006US36184	20060916

Probable Assignee: SUPRINE MACHINE INC

Assignee(s):(std)**:** CHELEN JOHN C ; SUPRINE MACHINE INC

Inventor(s):(std)**:** CHELEN JOHN C

Inventor(s): CHELEN JOHN

Agent(s): DORT PATENT PC; DORT DAVID BOGART

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 JP 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): B62D37/06 B62D61/02 B62D61/04 B62K11/02 (Advanced/Invention); B62D37/00 B62D61/00 B62K11/00 (Core/Invention)

CPC: B62K3/005 B62K11/00 B62K11/04 B62K11/10 B62J27/00

European class: B62J27/00 B62K11/00 B62K11/04 B62K11/10 B62K3/00C

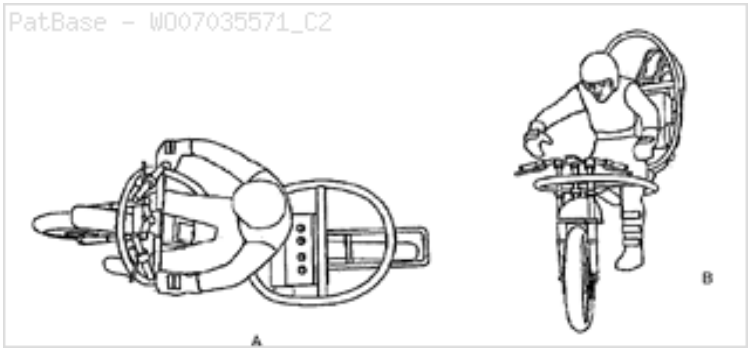
US class: 180/219

Classification Explorer

Cited documents: US6056078 A, US5685388 A, US4423795 A, US4293052 A, US4198072 A, US3897842 A, US3465840 A, US3124007 A, US2006237242 AA, US2005045398 AA, US2005035583 AA, US1858743 A, US1817848 A,

Forward Citations: US9428236, US8967315, US2008122657, ITBS20120106, DE102010004702,

Abstract:
Source: US2008017432A The present invention demonstrates a high–performance, high–safety, and high–efficiency motorcycle with a desirable recumbent configuration for improved performance and compact wheel base. The motorcycle provides a seat for the driver in front of the engine and both the driver and engine are located as low as possible to the road while permitting sufficient road clearance. The combination of recumbent driver position located within the chassis provides for reduced overall volume of the vehicle while also permitting various protective surrounding members or an envelope body. In one variation, the motorcycle includes at least two at least partial oval structures forming a virtual ellipse, the first at least partial oval structure being formed by part of the rear part of the frame of the vehicle and is positioned such that the plane of the oval is at an angle theta and rising towards the rear of the vehicle, wherein the plane formed by the first structure is normal to a roadway surface, and the axis of the first partial oval rises towards the rear of the vehicle, the rising part at least partially forming a riding platform structure; and the second at least partial oval structure formed by part of the frame of the front part of the vehicle and is positioned such that the plane of the oval is at an angle phi from the road surface and rising towards the front of the vehicle.



0) US2004031640A – TANDEM FOUR–WHEEL VEHICLE

34) Family number: 28717396 (US2004031640A) © PatBase

Title: TANDEM FOUR–WHEEL VEHICLE

Priority: US20010342950P 20011220 US20020415704 20020731 US20030415704 20030811 WO2002US24341 20020731

Family:

Publication number	Publication date	Application number	Application date
AU2002318941 AA	20030709	AU20020318941	20020731
CA2421281 AA	20030314	CA20022421281	20020731
CA2421281 C	20080715	CA20022421281	20020731
EP1361975 A1	20031119	EP20020750384	20020731
EP1361975 A4	20060621	EP20020750384	20020731
US2004031640 AA	20040219	US20020415704	20020731
US7743864 BB	20100629	US20020415704	20020731
WO03053769 A1	20030703	WO2002US24341	20020731

Probable Assignee: ARCTIC CAT INC

Assignee(s):(std)**:** ARCTIC CAT INC ; TWEET OLE

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION ; BANK OF AMERICA NA

Inventor(s):(std)**:** OLE TWEET ; TWEET OLE

Agent(s): SIM AND MCBURNEY; PIASETZKI NENNIGER KVAS LLP; BLACK LOWE AND GRAHAM PLLC

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 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): B60N2/24 B60N2/38 B60N2/46 B60N2/64 B60N3/02 B60N3/06 B62D21/00 B62J1/12 B62J25/00 B62K11/00 B62K5/00 B62K5/007 (Advanced/Invention); B60N2/24 B60N2/46 B60N2/64 B60N3/00 B60N3/02 B62D21/00 B62J1/00 B62J25/00 B62K11/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B60K17/34 B60N3/06 B62D21/00 B62D25/20 B62D61/00 B62J25/00

CPC: B60N2/24 B60N2/38 B60N2/46 B60N2/64 B60N3/02 B60Y2200/124 B62J25/00 B62K5/01 Y10S180/908

European class: B60N2/24 B60N2/38 B60N2/46 B60N2/64 B60N3/02 B62D25/20 B62J25/00 B62K5/01 L60Y200/124

US class: 180/311 180/312 180/89.1 180/908

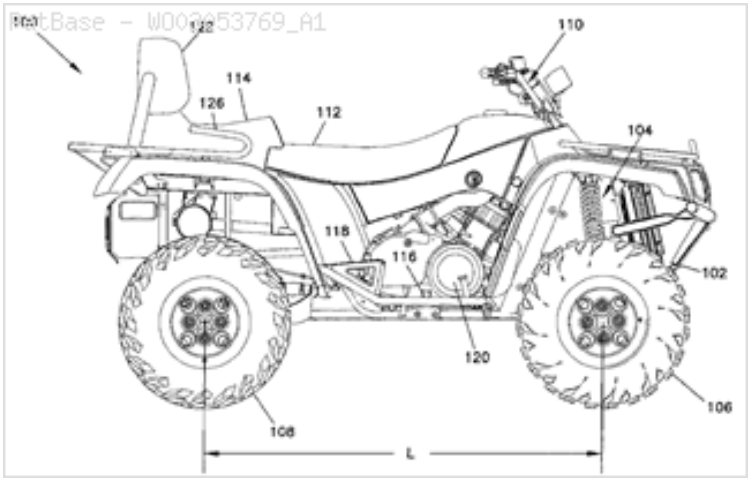
Classification Explorer

Cited documents: WO03042026 A1, WO0076794 A1, US6793108 BB, US6755269 BA, US6705680 BB, US6672916 BA, US6508511 BA, US6502728 BB, US6491124 BA, US6270106 BA, US6241301 BA, US6073719 A, US5845918 A, US5765917 A, US5697671 A, US5314239 A, US5186772 A, US5036939 A, US4664208 A, US4451057 A, US3776353 A, US2003102694 AA, US2002179358 AA, US1662718 A, EP1157918 A2, CA2467537 AA, CA2306195 AA,

Forward Citations: WO08100398, WO08100398, USD775552, USD774957, USD774955, USD762146, USD761698, USD751467, USD735615, USD721300, USD694671, USD680469, USD680468, USD640605, USD640604, USD595188, USD592557, USD592556, USD555921, USD553870, USD492916, USD488746, US9080514, US8905435, US8844999, US8678464, US8596398, US8506000, US8430442, US8419104, US8297394, US8226120, US8215694, US8196692, US8109556, US8091657, US8075007, US7845452, US7647996, US7506714, US7331418, US7258192, US7121371, US6968917, US2013153325, US2012090908, US2010163329, US2010084212, US2010019524, US2009250282, US2009195035, US2009146164, US2009095113, US2009071738, US2008284124, US2008283327, US2008283326,

US2008217088, US2008217081, US2007278026, US2005247506, US2004206568, US2004173653, US2004129485, US2004129484, US2004112669, US2004112668, US2004112658, US2004108159, US2003102694, TWI405281, EP2444305, DE102004033827,

Abstract:
Source: US2004031640A One embodiment of the invention is a multi–purpose vehicle having a frame, a suspension secured to the frame, four wheels tires secured to the suspension, and handlebars for steering the vehicle. The vehicle also includes a straddle mount seat secured to the frame with seating positions for a driver and a passenger of the vehicle. The seating position for the passenger is located rearward on the vehicle relative to the seating position of the driver. The vehicle also has foot and hand positions for the passenger. Optionally, the vehicle includes a backrest and armrests for the passenger.



35) Family number: 20049168 (US2002023792A) © PatBase

Title: AIR INTAKE FOR A STRADDLE–TYPE ALL TERRAIN VEHICLE

Priority: US20000229027P 20000831 US20010942673 20010831

Family:

Publication number	Publication date	Application number	Application date
US2002023792 AA	20020228	US20010942673	20010831
US6892842 BB	20050517	US20010942673	20010831

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC ; BOMBARDIER RECREATIONAL PROD ; BOMBARDIER RECREATIONAL PRODUC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BANK OF MONTREAL

Inventor(s):(std)**:** BOUFFARD ERIC ; CARON GHISLAIN ; FORTIER MARIO

Agent(s): BRP LEGAL SERVICES

International class (IPC 8–9)**:** B60K11/04 B60K11/08 B60K13/02 B62K5/00 F02M35/16 (Advanced/Invention); B60K11/00 B60K11/02 B60K13/00 B62K5/00 F02M35/00 (Core/Invention)

International class (IPC 1–7)**:** B60K11/04 B60K13/02

CPC: Y02T10/146 F02M35/10013 B60K11/04 B60K11/08 B60K13/02 B60Y2200/124 B62K5/01 F02M35/10262 F02M35/162

European class: B60K11/04 B60K11/08 B60K13/02 B62K5/01 F02M35/10A2 F02M35/10K6 F02M35/16C L60Y200/124

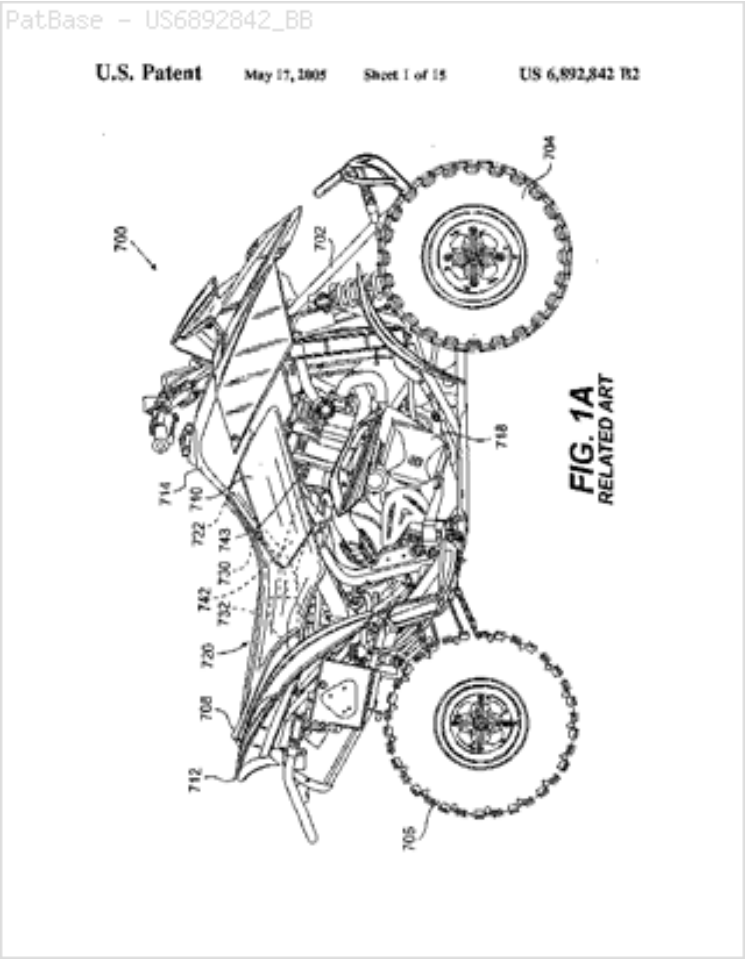
US class: 180/291 180/291S 180/68.3 180/68.4 180/68.400P

Classification Explorer

Cited documents: US6626260 BB, US6523634 BA, US6490907 BB, US6243928 BA, US6206446 BA, US6170597 BA, US6170597 B1, US5947219 A, US5327989 A, US5086858 A, US4577720 A, US4475616 A, US4357893 A, US3796277 A, US3700259 A, US2002088661 AA, JP62105719 A2, JP62006826 A2, JP61200029 A2, JP61171610 A2, JP61146633 A2, JP60153418 A2, JP59155545 A2, JP59048270 A2, JP58033522 A2, JP5147565 A2, JP431189, JP4031189 A2, JP3123482 A2, JP1301484 A2, JP1301484,

Forward Citations: WO10138867, USD592557, USD592556, US9446809, US9434244, US9365251, US9321494, US9283823, US9217501, US9211924, US9145038, US9096123, US8960347, US8827020, US8827019, US8746719, US8613336, US8613335, US8567847, US8453777, US8444161, US8434774, US8336656, US8205698, US8152880, US8127877, US7963832, US7744260, US7712562, US7674023, US7604382, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7431114, US7311170, US7140462, US6959934, US2016332676, US2014360800, US2014008136, US2010236852, US2010089355, US2010078239, US2009001781, US2009001762, US2009001745, US2009001704, US2008282654, US2008025812, US2008023991, US2008023990, US2008023989, US2007216524, US2007197157, US2007045029, US2006272873, US2006193143, US2006139939, US2006124379, US2005076871, US2004173394, US2003213628, RU2549226, JP2009544529, EP1849642, CN104827843,

Abstract:
Source: US2002023792A An all terrain or straddle type vehicle is provided with an air intake system having an air intake pipe with reduced length thereby avoiding unnecessary vibration which may adversely affect the fuel−to−air ratio of the engine, thereby improving engine performance. Also an inlet end of the air intake pipe is positioned so that the vehicle's capability for traversing water of a predetermined depth is improved. The height of the inlet end of the intake pipe is greater than the predetermined depth of the water to protect against water entering the air intake pipe due to encountering a water wave created in front of the vehicle that has a depth greater than the predetermined depth of the water. Additionally, openings in rear fenders of the vehicle channel intake air to both a radiator/fan assembly and the air intake system.



0) US2011094819A – ALL TERRAIN VEHICLE

36) Family number: 48789907 (US2011094819A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20090604421 20091023

Family:

Publication number	Publication date	Application number	Application date
US2011094819 AA	20110428	US20090604421	20091023
US8066315 BB	20111129	US20090604421	20091023

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** HARA MOTOYUKI ; SUZUKI YASUHIRO ; YAMAHA MOTOR CO LTD ; YAMAMOTO KOUJI

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

Inventor(s):(std)**:** HARA MOTOYUKI ; SUZUKI YASUHIRO ; YAMAMOTO KOUJI

Agent(s): KEATING AND BENNETT LLP

International class (IPC 8–9): B60J7/00 B60K17/00 B60K37/00 B60N2/00 B62D25/06 B62D25/08 (Advanced/Invention)

CPC: B60N2/24 B60N3/101 B62D21/183 B62D23/005 B62D25/00 B62D39/00

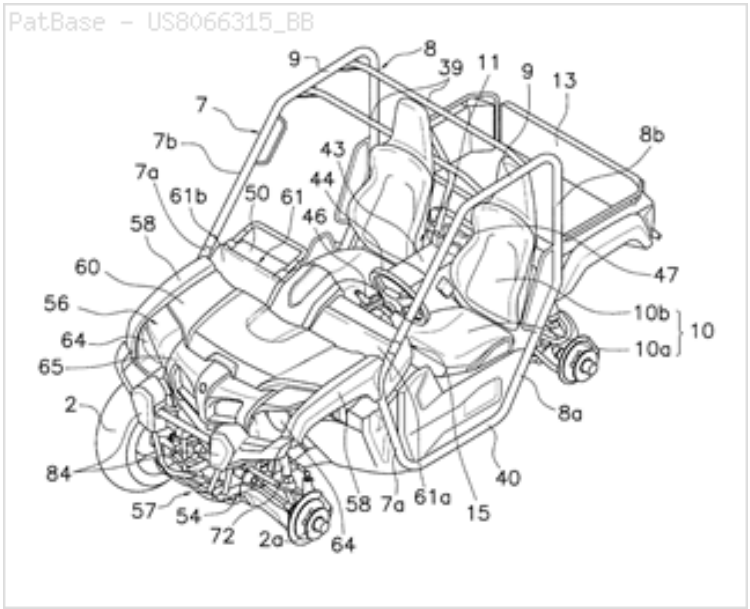
European class: B60N2/24 B60N3/10B B62D21/18B B62D23/00B B62D25/00 B62D39/00

US class: 180/374 296/198 296/198S 296/203.02 296/203.020S 296/210 296/210S 296/37.8 296/63 296/63S 296/70

Classification Explorer

Cited documents: US7287795 BA, US6488330 BB, US2009108617 AA, US2008015066 AA,

Forward Citations: US9452669, US2016031492, US2015274199, CN102431456,



Abstract:
Source: US2011094819A An all terrain vehicle includes a pair of right and left front wheels, at least a pair of right and left rear wheels, a vehicle body frame, a pair of right and left first roof supports, a pair of right and left second roof supports, a pair of right and left roof members, a seat, a front panel, a front upper cover, a meter unit and a cover. The vehicle body frame supports the front wheels and the rear wheels. The first roof supports are provided at lateral sides of the vehicle body frame in a transverse direction of the vehicle, respectively. The second roof supports are provided at the lateral sides of the vehicle body frame in the transverse direction of the vehicle, respectively. The right roof member connects an upper portion of the right first roof support and an upper portion of the right second roof support, whereas the left roof member connects an upper portion of the left first roof support and an upper portion of the left second roof support. The front upper cover is connected to an upper portion of the front panel and extends forward in a longitudinal direction of the vehicle. The meter unit includes a display. The meter unit is disposed on the front panel such that the display is viewable from the seat. The meter unit is positioned in a transversely center portion of the vehicle. The cover extends from the front upper cover to the front panel so as to cover at least an upper portion of the meter unit. The cover is disposed in a higher position than an upper surface of the front panel in the transverse direction of the vehicle.

0) US4878451A – ALL–TERRAIN AMPHIBIAN VEHICLE

37) Family number: 3230144 (US4878451A) © PatBase

Title: ALL–TERRAIN AMPHIBIAN VEHICLE

Priority: CA19870554229 19871214 GB19870009125 19870415 US19870133732 19871216

Family:

Publication number	Publication date	Application number	Application date
CA1285428 A1	19910702	CA19870554229	19871214
DE3878714 D1	19930408	DE19883878714	19880411
DE3878714 T2	19930819	DE19883878714T	19880411
EP0287298 A2	19881019	EP19880303204	19880411
EP0287298 A3	19900207	EP19880303204	19880411
EP0287298 B1	19930303	EP19880303204	19880411
GB8709125 A0	19870520	GB19870009125	19870415
US4878451 A	19891107	US19870133732	19871216

Probable Assignee: SIREN A O

Assignee(s):(std)**:** SIREN A O ; SIREN ANDREW O ; SIREN ANDY O

Assignee(s): SIREN ANDREW OSCAR CALGARY ALBERTA CA

Inventor(s):(std)**:** SIREN ANDREW O ; SIREN ANDREW OSCAR ; SIREN ANDY O

Inventor(s): SIREN ANDREW OSCAR CALGARY ALBERTA CA

Agent(s): ADE AND CO

Designated states: DE GB NL

International class (IPC 8–9)**:** B60F3/00 B62D53/00 (Advanced/Invention); B60F3/00 B62D53/00 (Core/Invention)

International class (IPC 1–7)**:** B60F3/00 B63B35/00

CPC: B60F3/0007 B62D53/00 F16H2009/163

European class: B60F3/00B B62D53/00 R16H9/16P

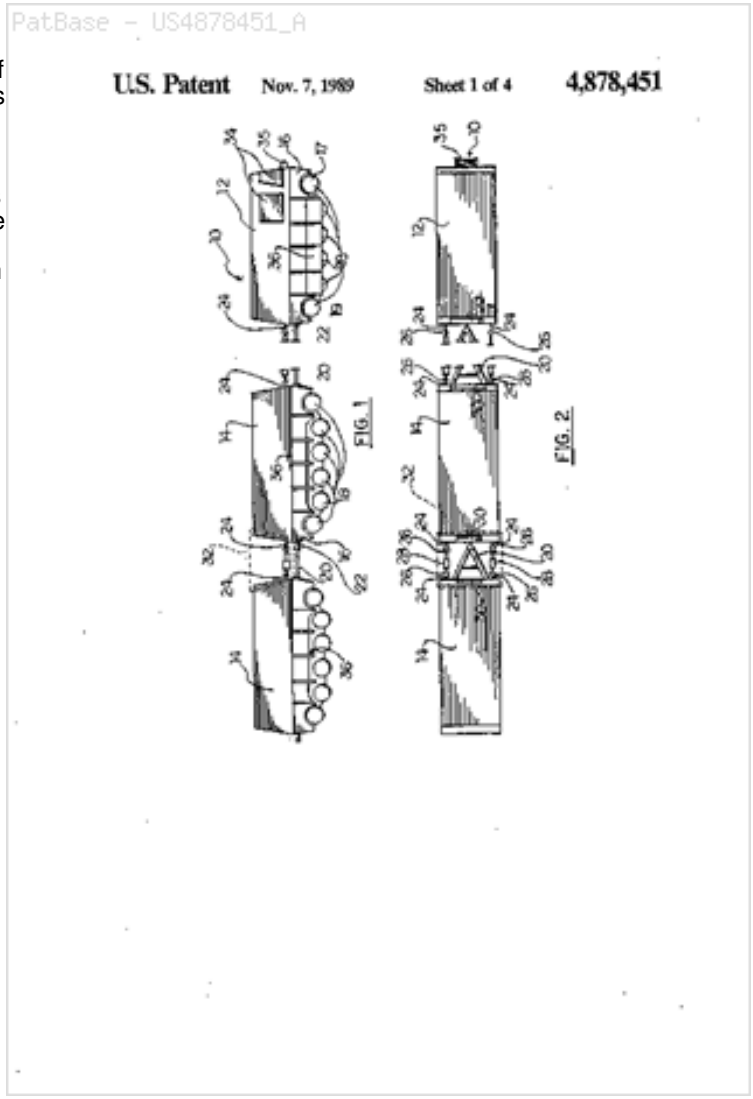
US class: 114/270 114/77R 180/14.1 180/14.7 440/12.66

Classification Explorer

Cited documents: US4452163 A, US3939794 A, US3895596 A, US3653455 A, US3444837 A, US3435798 A, US3362373 A, US3353618 A, US3204713 A, US3198161 A, US2923268 A, FR364303 A, FR1368678 A, EP0003751 A1, DE263092 A, DE1961133 A1, CA1012069 A1,

Forward Citations: WO08122304, WO08122304, US9566711, US9409292, US9031698, US8935014, US8851211, US8571711, US8434208, US8393422, US8392036, US8317555, US8205695, US8185241, US8100426, US8042630, US8002716, US8002365, US7997370, US7913782, US7845440, US7594561, US7311162, US7228927, US7211983, US6837318, US6742617, US6698843, US6666735, US2012103705, US2010263955, US2010078962, US2009000595, US2008115992, US2007029125, US2006186840, US2006170188, US2005284682, US2005269143, US2005257679, US2004195021, EP1410980, EP0449341, DE102008019656,

Abstract:
Source: US4878451A An amphibious vehicle may be connected end−to−end with a series of other similar vehicles to provide an amphibious vehicle train. Each vehicle has a hull with a plurality of wheels mounted on each side. Two drive trains are provided for driving the trains on respective sides of the hull. The drive trains can be driven at differential speeds to steer the vehicle. At each end of the vehicle are two power take−off means, one for each drive train coupled to a similar power take−off in the next adjacent vehicle. The power plant for the complete train is found in a single unit.



0) US2010133018A – ALL–TERRAIN VEHICLE AND SUSPENSION SYSTEM THERE...

38) Family number: 45102068 (US2010133018A) © PatBase

Title: ALL–TERRAIN VEHICLE AND SUSPENSION SYSTEM THEREFOR

Priority: US20080200675P 20081202 US20090592738 20091202

Family:

Publication number	Publication date	Application number	Application date
US2010133018 AA	20100603	US20090592738	20091202
US8146689 BB	20120403	US20090592738	20091202

Probable Assignee: HERTEMA DARYL

Assignee(s):(std)**:** HERTEMA DARYL

Inventor(s):(std)**:** HERTEMA DARYL

Agent(s): MCKELLAR IP LAW PLLC; ROBERT L

International class (IPC 8–9)**:** B62D11/02 B62D11/06 B62D55/104 (Advanced/Invention); B62D11/06 (Core/Invention)

CPC: A61G5/066 B60G5/04 B60G17/0272 B60G17/033 B60G21/045 B60G2202/413 B60G2204/13 B60G2204/419 B60G2300/24 B60G2300/32 B60G2500/30 B62D55/084 Y10S180/907

European class: A61G5/06C B60G17/027C B60G17/033 B60G21/045 B60G5/04 B62D55/084 L60G202/413 L60G204/130 L60G204/419 L60G300/24 L60G300/32 L60G500/30

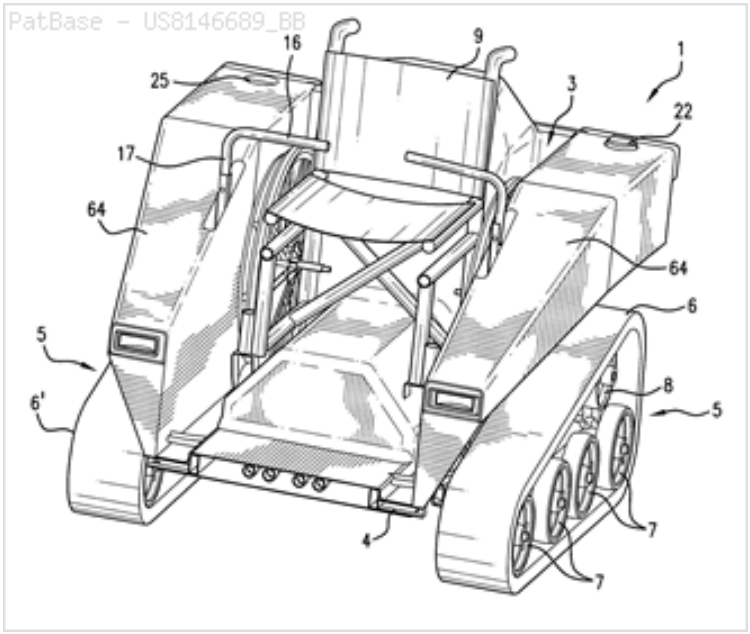
US class: 180/6.48 180/6.480P 180/6.6 180/6.7 180/9.1 180/9.21 180/9.26 180/9.28 180/9.3 180/9.34 180/9.38 180/907

Classification Explorer

Cited documents: US7845443 BB, US6688414 BA, US6604590 BB, US6419036 BA, US6076619 A, US5641030 A, US5577567 A, US4077483 A, US3259200 A, US3204791 A,

Forward Citations: WO13002654, WO13002654, USD783726, USD775282, US2016031501, CN103273975, CN103273975,

Abstract:
Source: US2010133018A An all–terrain vehicle having a unique suspension system for enabling handicapped individuals or invalids to easily access the vehicle and be self–transportable over ground or an ice surface.



0) US2006131827A – TEXTURED ALL–TERRAIN VEHICLE FENDERS

39) Family number: 33082781 (US2006131827A) © PatBase

Title: TEXTURED ALL–TERRAIN VEHICLE FENDERS

Priority: US20040018516 20041220

Family:

Publication number	Publication date	Application number	Application date
US2006131827 AA	20060622	US20040018516	20041220
US7669678 BB	20100302	US20040018516	20041220

Probable Assignee: ARCTIC CAT INC

Assignee(s):(std)**:** ARCTIC CAT INC

Assignee(s): BANK OF AMERICA NA ; WELLS FARGO BANK NATIONAL ASSOCIATION

Inventor(s):(std)**:** BENEDICT TIMOTHY W ; TWEET OLE E

Inventor(s): BENEDICT TIMOTHY ; TWEET OLE

Agent(s): BLACK LOWE AND GRAHAM PLLC

International class (IPC 8–9): B62D25/18 B62D7/22 (Advanced/Invention); B62D7/00 (Core/Invention)

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01

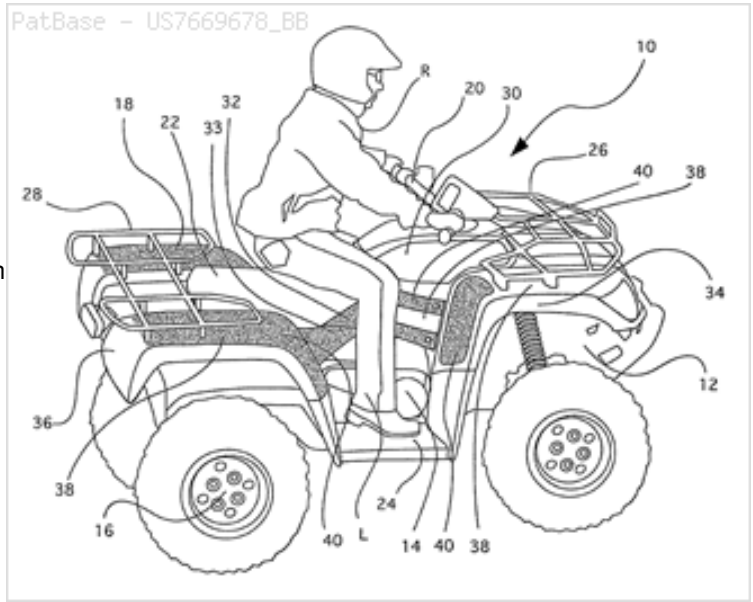
US class: 180/89.1 280/304.4 280/848 280/850 280/89.1 280/89.100P 296/181.2 296/198 296/901.1

Classification Explorer

Cited documents: US6955203 BB, US6874590 BB, US6794013 BA, US6733038 BA, US6699419 BA, US6547027 BA, US6439649 BA, US6416112 BA, US6224134 BA, US6070908 A, US5511822 A, US5490549 A, US4825812 A, US4685530 A, US4592342 A, US4068859 A, US3990206 A, US3627073 A, US2319936 A, US2002047257 AA, US1788151 A,

Forward Citations: USD592557, USD592556, US9481402, US9027983, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US2014117712, US2010219609, US2009001781, US2009001762, US2009001745, US2009001704, US2008025812, US2008023991, US2008023990, US2008023989, US2007023225,

Abstract:
Source: US2006131827A The present disclosure describes an all terrain straddle–type vehicle for carrying a load including a rider. The vehicle includes a frame, a plurality of wheels, a rear fender, a front fender, and a body panel. The wheels, including front and rear wheels coupled to the frame. The fenders are secured to the frame for covering the wheels. The fenders are formed from a plastic material having a smooth portion and a textured portion thereon. The smooth and textured portions are disposed adjacent to one another and formed integrally on the fender. The textured portion is positioned on the fender in a location of frequent rider or other load contact. The body panel is secured to the frame forward of the rear fender. The body panel includes a textured portion situated in a location of frequent rider contact. A method of manufacturing a fender is also disclosed.



40) Family number: 28231408 (US2002112907A) © PatBase

Title: BREATHER SYSTEM AND STRADDLE–TYPE FOUR WHEELED ALL TERRAIN VEHICLE COMPRISING BREATHER SYSTEM

Priority: JP20010023826 20010131

Family:

Publication number	Publication date	Application number	Application date
JP2002225576 A2	20020814	JP20010023826	20010131
JP3517217 B2	20040412	JP20010023826	20010131
US2002112907 AA	20020822	US20020059941	20020128
US6805214 BB	20041019	US20020059941	20020128

Probable Assignee: KAWASAKI JUKOGYO KK

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK ; MAEDA KAZUHIRO ; YOSHIMURA GAKU ; KAWA KI JUKOGYO K USHIKI KAISHA ABSA

Inventor(s):(std)**:** MAEDA KAZUHIRO ; YOSHIMURA GAKU ; YOSHIMURA MANABU

International class (IPC 8–9)**:** B60K15/035 B62J35/00 B62K5/00 F16K15/00 F16K24/00 (Advanced/Invention); B60K15/03 B62J35/00 B62K5/00 F16K15/00 F16K24/00 (Core/Invention)

International class (IPC 1–7)**:** B60K15/00 B60K15/035 B62J35/00 B62K5/00 F16K15/00 F16K24/00

CPC: Y10S180/908 B62K5/01 B62J35/00

European class: B62J35/00 B62K5/01

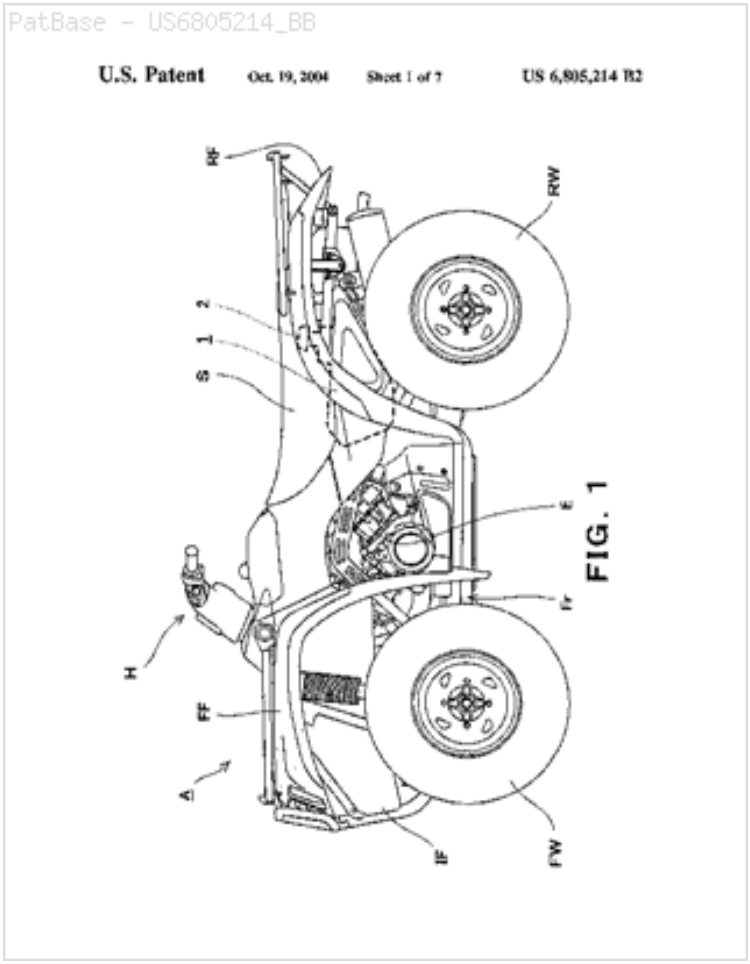
US class: 180/220 180/233 180/4.14 180/414 180/69.4 180/69.400P 180/908 280/834 280/834S

Classification Explorer

Cited documents: US6405747 BA, US6276387 BA, US6029635 A, US5687778 A, US5474048 A, US5392804 A, US4799565 A, JP48108010 A2, JP2011483 A2, JP2001287552 A2, JP2000211380 A2, JP11127658 A2,

Forward Citations: US9180776, US9126648, US8955632, US8851523, US8746393, US8690190, US8246057, US8047324, US8042636, US7931301, US7806215, US7681920, US7665770, US7661714, US7624829, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7484766, US7438350, US7401816, US7021664, US6702058, US2013200604, US2013056293, US2012025510, US2011175340, US2011108344, US2009218153, US2009101657, US2009001781, US2009001762, US2009001745, US2009001704, US2008236918, US2008025812, US2008023991, US2008023990, US2008023989, US2007261906, US2007170714, US2007169975, US2007096452, US2007089922, US2006273572, US2005241867, US2004256853, US2003217884, US2003001377, JP4658800, JP2007176431, AU2010246547,

Abstract:
Source: US2002112907A Disclosed is a breather system for a fuel tank reliably performing a function of a breather when a vehicle is inclined to the right or to the left and a straddle−type four wheeled all terrain vehicle comprising the breather system in which the fuel tank is provided below a seat, and a fuel inlet and a tank cap covering the fuel inlet is protruded from a rear fender laterally of the seat. The breather system has two breather openings provided in the fuel tank, breather hoses respectively connected to the breather openings, a T−shape joint integrally connecting the breather hoses, and a check valve connected to an ambient side of the T−shape joint, and the two breather openings are provided on the right and left sides of the fuel tank so as to be spaced apart from each other.



0) US2006273546A – ALL TERRAIN VEHICLE

41) Family number: 33976641 (US2006273546A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20050142711 20050601

Family:

Publication number	Publication date	Application number	Application date
CN100455476 C	20090128	CN200610083751	20060601
CN1872609 A	20061206	CN200610083751	20060601
TW200716406 A	20070501	TW20060118158	20060522
TWI298683 B	20080711	TW20060118158	20060522
US2006273546 AA	20061207	US20050142711	20050601
US7549676 BB	20090623	US20050142711	20050601

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** UCHIYAMA MASAYUKI ; YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** MASAYUKI UCHIYAMA ; UCHIYAMA MASAYUKI

Agent(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA, C/O KEATING AND BENNETT LLP; YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT LLP

International class (IPC 8–9)**:** B60Q1/04 B62D25/00 B62H1/02 B62J6/02 (Advanced/Invention); B62H1/00 (Core/Invention); B60Q1/04 B62J6/02 (Core/Non–invention)

CPC: B62K5/01

European class: B62K5/01

US class: 180/291 180/313 180/89.1 280/301 280/301P 280/847 362/476

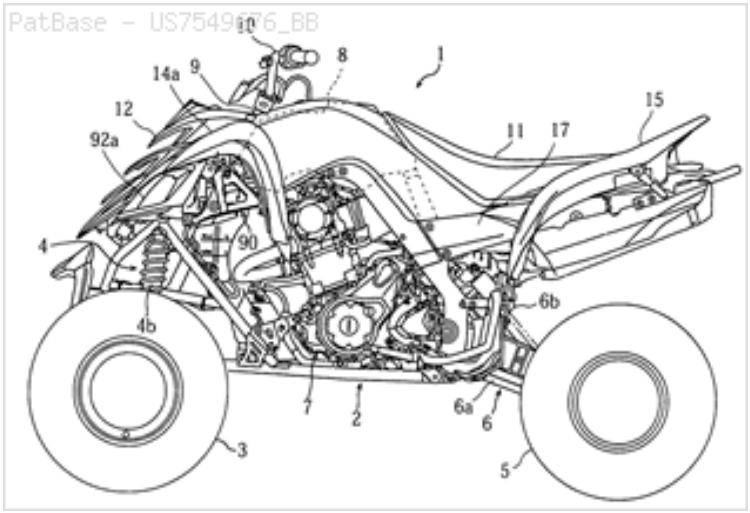
Classification Explorer

Cited documents: US7231996 BB, US7134702 BB, US6997586 BB, US6547426 BA, US6497506 BA, US5855250, US4636922 A, US4356536 A, US2002038737,

US2002/0038737 A1

TWM265306, TW557882, JP3466988 B4, JP3466988 B2, JP3082685 A2,

Abstract:
Source: US2006273546A An all terrain vehicle is constructed to allow the positions at which the headlights are attached to be designed freely, and allows a large amount of design freedom in the vicinity of each headlight. Left and right brackets are detachably mounted to the body frame so as to be below the left and right front fenders, respectively, and the left and right headlights are mounted to the left and right brackets, respectively.



0) US7708105B – ALL TERRAIN VEHICLE

42) Family number: 44940415 (US7708105B) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20050272888 20051114

Family:

Publication number	Publication date	Application number	Application date
US7708105 BA	20100504	US20050272888	20051114

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** POLARIS INC

Assignee(s): POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** BERG NORMAN O

Agent(s): BAKER AND DANIELS LLP

International class (IPC 8–9): B62D21/00 (Advanced/Invention); B62D21/00 (Core/Invention)

CPC: B62D21/183 B62D25/16 B62J15/00 B62K5/01

European class: B62D21/18B B62D25/16 B62J15/00 B62K5/01

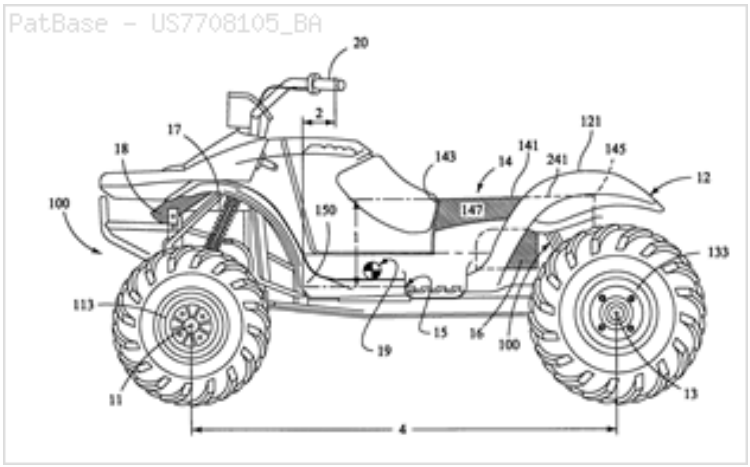
US class: 180/312

Classification Explorer

Cited documents: USD492916 S1, USD485212 S1, USD468117 S1, USD424982 S1, USD312227 S1, USD305999 S1, USD299631 S1, USD299324 S1, US7350854 BB, US7121371 BB, US6874590 BB, US6732830 BB, US6547027 BA, US6206446 BA, US5845918 A, US5327989 A, US4946193 A, US4799708 A, US3776325 A, US3623565 A, US2984390 A, US2004256853 AA, US2004134707 AA, US2004129485 AA, US2004124028 AA, KR2005051322, KR2005008936, KR20050051322 A, KR20050008936 A, EP0437130 A1,

Forward Citations: US8844999, US8419104, US8109556, US2013153325, US2012090908, US2010163329,

Abstract:
Source: US7708105B An all–terrain vehicle (ATV) includes a straddle–type seat mounted on a frame of the vehicle generally above and between left and right rear wheels. A left rear fender of the ATV is disposed over the left rear wheel and includes a left surface extending alongside a left side of the seat, the left fender surface may be disposed flush with or above a seating area of the seat. A right rear fender is disposed over the right rear wheel and includes a right fender surface extending alongside a right side of the seat, the right fender surface may be disposed flush with or above the seating area of the seat. The left and right rear fenders may each further provide a resilient interface for an operator shifting over the left and right sides of the seat, respectively.



0) US2010224433A – ARRANGEMENT OF ELECTRIC PART

43) Family number: 46802444 (US2010224433A) © PatBase

Title: ARRANGEMENT OF ELECTRIC PART

Priority: JP20090051795 20090305

Family:

Publication number	Publication date	Application number	Application date
JP2010203388 A2	20100916	JP20090051795	20090305
US2010224433 AA	20100909	US20100708571	20100219
US8662224 BB	20140304	US20100708571	20100219

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; SATO MASATOSHI ; SHIOKAWA TATSUYA

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** SATO MASATOSHI ; SATO MASAYA ; SHIOKAWA TATSUYA

Agent(s): SQUIRE SANDERS AND DEMPSEY LLP; SQUIRE SANDERS US LLP

International class(IPC 8–9)**:** B60K26/00 B60K5/00 B62D25/24 F02B61/02 F02B67/00 F02D41/00 (Advanced/Invention); B60K5/00 B62D25/00 (Core/Invention)

CPC: B62K5/01 Y02T10/42

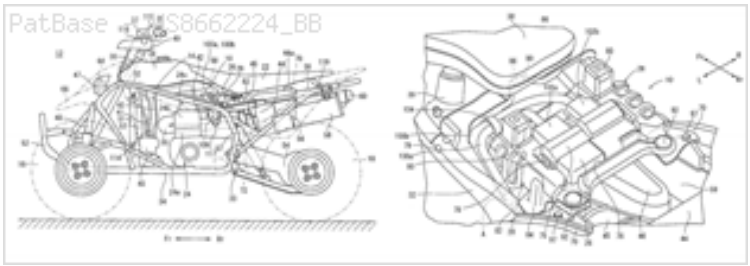
European class: B62K5/01

US class: 123/195E 180/291 180/68.3 180/89.17 180/89.170S

Classification Explorer

Cited documents: US8453780 BB, US8439148 BB, US8413758 BB, US8196689 BB, US8047324 BB, US7730986 BB, US7562736 BB, US7374009 BB, US7311170 BB, US7232171 BB, US7216733 BB, US7185624 BA, US5117932 A, US2007075845 AA, JP3897969 A2,

Forward Citations: US9096123, US2014360800, US2011012334,



Abstract:
Source: US2010224433A A saddle−ride type vehicle, and arrangement of an electric part such as a controller for a saddle−ride type vehicle, can include a vehicle frame which has a left main frame and a right main frame which extend from a forward side to a rearward side of a vehicle body. An engine is supported on the vehicle frame, and a throttle body is disposed near the engine. An air cleaner is disposed adjacent throttle body, and a controller is provided, which is configured to control the engine. A support member supports at least a controller, with the support member being removably mounted relative to the vehicle body. The support member is separate from the throttle body and the air cleaner. The support member is typically disposed above the throttle body.

0) US2004216935A – ALL–TERRAIN VEHICLE

44) Family number: 30869141 (US2004216935A) © PatBase

Title: ALL–TERRAIN VEHICLE

Priority: CA20042457425 20040212 JP20030035226 20030213

Family:

Publication number	Publication date	Application number	Application date
CA2457425 AA	20040813	CA20042457425	20040212
CA2457425 C	20071127	CA20042457425	20040212
JP2004243877 A2	20040902	JP20030035226	20030213
JP4307100 B2	20090805	JP20030035226	20030213
US2004216935 AA	20041104	US20040776786	20040211
US7261174 BB	20070828	US20040776786	20040211

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): YAMAMOTO TAKAO ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA MOTOR CO

Inventor(s):(std)**:** YAMAMOTO TAKAO

Agent(s): DENNISON ASSOCIATES; HAMRE SCHUMANN MUELLER AND LARSON PC

International class (IPC 8–9)**:** B60D1/62 B60R16/02 B60R99/00 B62D39/00 B62J7/04 B62J99/00 B62K5/00 (Advanced/Invention); B60D1/00 B60R16/02 B60R99/00 B62D39/00 B62J7/00 B62J99/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60D1/62 B60R16/02 B60R27/00 B62D23/00 B62J39/00

CPC: Y10S180/908 B62K5/01 B62J7/04

European class: B62J7/04 B62K5/01

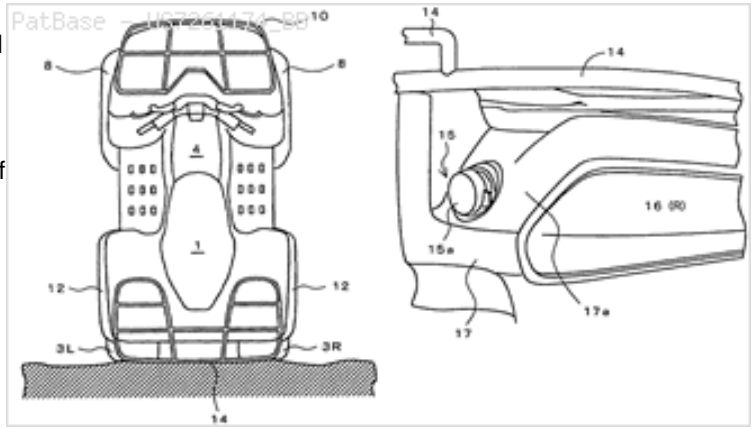
US class: 180/53.8 180/89.1 180/89.100P 180/908 439/34

Classification Explorer

Cited documents: US6447302 BA, US6076691 A, US5718301 A, US5288094 A, US2001047896 AA, JP2000243129 A2,

Forward Citations: US9511655, US7350854, US2006289215, JP2006273127, EP1630113,

Abstract:
Source: US2004216935A A means is provided for easily supplying power to an accessory device of an all–terrain vehicle. A rear carrier is mounted to the rear portion of the vehicle, and a rear cowl is provided downwardly thereof. The rear cowl is provided with a pair of left and right rear combination lamps and an accessory socket for supplying a power to accessory parts therebetween at the position adjacent to the rear combination lamp.



0) US4821697A – FUEL OCTANE EVALUATION SYSTEM

45) Family number: 30868394 (US4821697A) © PatBase

Title: Fuel octane evaluation system

Priority: EP19880907974 19880810 US19870085476 19870814 WO1988US02762 19880810

Family:

Publication number	Publication date	Application number	Application date
AT97194 E	19931115	AT19880907974T	19880810
DE3885599 D1	19931216	DE19883885599	19880810
DE3885599 T2	19940310	DE19883885599T	19880810
EP0328622 A1	19890823	EP19880907974	19880810
EP0328622 B1	19931110	EP19880907974	19880810
JP2500264 T2	19900201	JP19880507417T	19880810
JP2559832 B2	19961204	JP19880507417T	19880810
US4821697 A	19890418	US19870085476	19870814
WO8901571 A1	19890223	WO1988US02762	19880810

Probable Assignee: MCDOUGAL MARY ANN

Assignee(s):(std): MCDOUGAL JOHN A

Assignee(s): MCDOUGAL JOHN A DETROIT MICH US ; MCDOUGAL MARY ANN ; GENERAL MOTORS CORP ; MATSUKUDOGARU JON EE ; MCDOUGAL JANET A

Inventor(s):(std): MCDOUGAL JOHN A

Inventor(s): MCDOUGAL JOHN A DETROIT MICH US ; MATSUKUDOGARU JON EE

Designated states: AT BE CH DE FR GB IT JP LI LU NL SE

International class (IPC 8–9): B60K15/05 B60K35/00 F02P11/06 F02P5/152 G01L23/22 G01N33/22 (Advanced/Invention); F02B1/04 (Advanced/Non–invention); B60K15/04 B60K35/00 F02P11/00 F02P5/152 G01L23/00 G01N33/22 (Core/Invention); F02B1/00 (Core/Non–invention)

International class (IPC 1–7): B60K15/05 B60K35/00 F02P11/06 F02P5/145 G01L23/22 G01N33/22

CPC: Y02T10/46 F02P5/1527 F02B1/04

European class: F02P5/152L R02B1/04

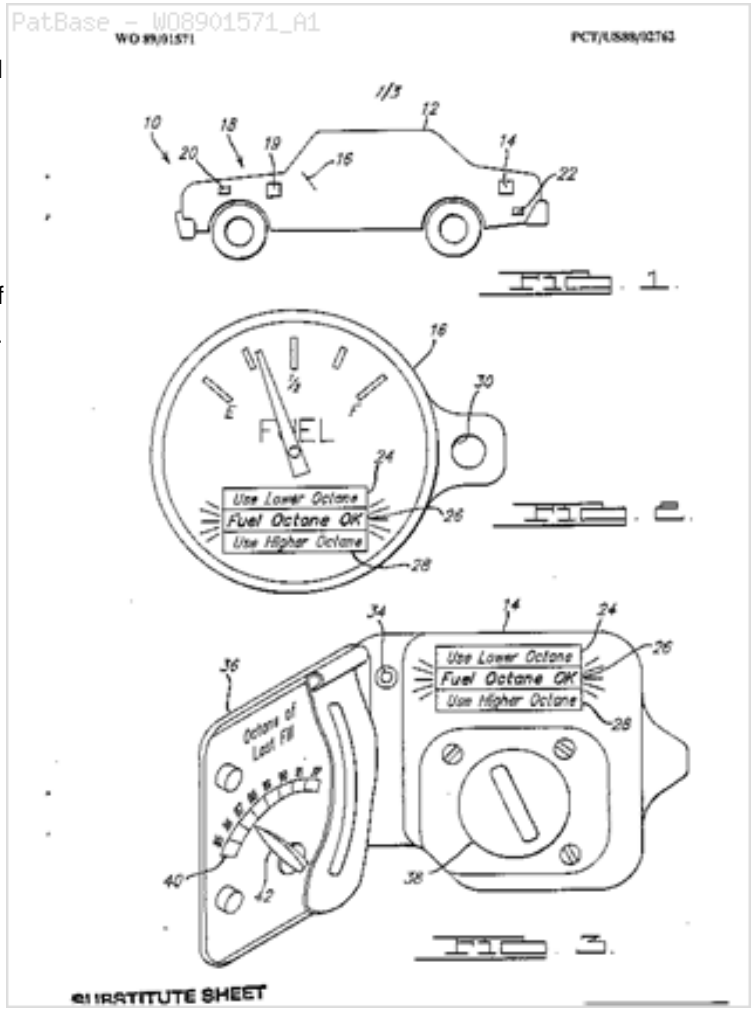
US class: 123/1.00A 123/198D 123/1A 123/406.21 123/406.3 123/425 123/435

Classification Explorer

Cited documents: US4682293 A, US4630584 A, US4619236 A, US4594983 A, US4494404 A, US4464933 A, US4334425 A, US4116173 A, US4019489 A, US3822583 A, US3324711 A, JP61081579 A2, JP60253815 A2, GB2108198 A1,

Forward Citations: USD460011, US9546583, US9121355, US8667922, US8448665, US6968739, US6422465, US6240900, US6163738, US5440190, US5284116, US5172655, US5012782, US4947817, US4898139, US2013278402, US2013047963, US2010072202, GB2434566, DE3920966, DE10338664, DE102007033535,

Abstract:
Source: US4821697A A system and method for optimizing the octane rating of fuel supplied to a vehicle. The system utilizes information resulting from the occurance of detonation to make recommendations regarding the fuel octane requirements of the vehicle to the operator of the vehicle. The system can reduce the occurance of detonation by advising the operator of the vehicle when a higher octane fuel is required. Also, unnecessary expense resulting from the use of an excessively high octane fuel can be avoided by advising the operator when a lower octane fuel should be used.



0) US6622806B – AIR INLET FOR ATV

46) Family number: 13865171 (US6622806B) © PatBase

Title: AIR INLET FOR ATV

Priority: JP19990120567 19990427 JP19990120668 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313382 A2	20001114	JP19990120567	19990427
JP2000313385 A2	20001114	JP19990120668	19990427
US6622806 BA	20030923	US20000553652	20000421

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** MATSUURA TATSUYA

International class (IPC 8–9)**:** B60K11/04 B62J99/00 B62K5/00 F01P5/02 F16H57/04 F16H57/05 (Advanced/Invention); B60K11/02 B62J99/00 B62K5/00 F01P5/02 F16H57/04 F16H57/05 (Core/Invention)

International class (IPC 1–7)**:** B60K11/04 B60K11/08 B62J39/00 B62K5/00 F01P5/02 F16H57/04

CPC: Y10S180/908 F16H57/05 B60K11/04 B60Y2200/124 B62K5/01 F16H57/0412

European class: B60K11/04 B62K5/01 F16H57/04J F16H57/05 L60Y200/124

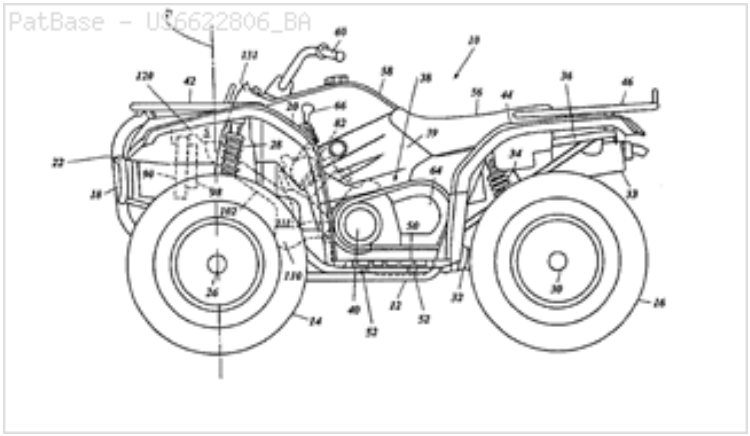
US class: 123/198E 180/68.1 180/68.4 180/908

Classification Explorer

Cited documents: US6454040 BA, US6302228 BA, US6167976 BA, US6056075 A, US6032620 A, US6016943 A, US5975624 A, US5899196 A, US5660245 A, US5660243 A, US5490573 A, US5279381 A, US5172786 A, US5152365 A, US5072698 A, US5016725 A, US4953525 A, US4907552 A, US4892164 A, US4848503 A, US4744432 A, US4697665 A, US4606422 A, US4597466 A, US4531928 A, US4497285 A, US4496019 A, US4454926 A, US438644 A, US4354570 A, US3650344 A, JPS6189187, JPS5977924, JP61089187 A2, JP59077924 A2, JP5057955 A2, GB164051 A, FR2782480 A1, DE171825 A,

Forward Citations: WO12018896, USRE43662, USD592557, USD592556, US9434244, US9365251, US9321494, US9279427, US9217501, US9211924, US9096123, US8827020, US8827019, US8801015, US8789633, US8746719, US8613336, US8613335, US8381855, US8074756, US7984781, US7793751, US7717206, US7690472, US7690462, US7650959, US7591337, US7581784, US7571787, US7562739, US7510199, US7506712, US7438153, US7438147, US7367417, US7363999, US7357211, US7350609, US7347296, US7320299, US7287619, US7284629, US7168516, US7121371, US7070019, US7059438, US7059438, US6966399, US6938676, US6920949, US6854542, US6823956, US6820708, US6786290, US2014360800, US2014062052, US2013136580, US2011094811, US2009038875, US2008289892, US2008246289, US2008053727, US2007215404, US2007169989, US2007114814, US2007075517, US2007075514, US2006254849, US2006219464, US2006065231, US2005279547, US2005247506, US2005133289, US2005133194, US2004262061, US2004231900, US2004195028, US2004129485, US2004113389, US2004112658, US2004108159, US2004099470, US2004035619, US2003089166, US2003066696, US2003051937, US2003029664, US2003029656, JP2009073402, JP2007099264, EP2889167, EP1835202, CN103249578, CN103249578,

Abstract:
Source: US6622806B An all terrain vehicle has a frame assembly. A pair of front wheels and a pair of rear wheels support the frame assembly. A front fender assembly extends over at least a portion of the front wheels. An engine is disposed between the front wheels and the rear wheels. The engine is water−cooled using a radiator and fan combination that is positioned forward of the engine. A belt drive forms a portion of a transmission that transfers power from the engine to at least the rear wheels. The belt drive is air cooled with air that is pulled into the belt drive by fans positioned within a belt case. The air is drawn from an air chamber formed within the front fender assembly. The chamber is positioned vertically higher than the radiator and fan combination and rearward thereof. The air passes between the chamber and the belt case through a duct. The duct extends downward and incorporates a central trap portion. The duct is positioned to lie at least partially within an area that overlaps the fan from a front elevation view. The duct also bends across a central longitudinal plane from inlet to outlet to allow a compact configuration while positioning the duct in protected regions.



0) US2003029656A – COOLING AIR SYSTEM FOR SMALL VEHICLE

47) Family number: 30956548 (US2003029656A) © PatBase

Title: COOLING AIR SYSTEM FOR SMALL VEHICLE

Priority: JP20010243127 20010810

Family:

Publication number	Publication date	Application number	Application date
JP2003054470 A2	20030226	JP20010243127	20010810
US2003029656 AA	20030213	US20020217200	20020809
US6920949 BB	20050726	US20020217200	20020809

Probable Assignee: YAMAHA HATSUDOKI KK

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

Assignee(s): ISODA TAKASHI ; MATSUURA TATSUYA ; YAMAHA HATSUDOKI K USHIKI KAISHA AB ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std): ISODA TAKASHI ; MATSUURA TATSUYA

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

International class (IPC 8–9): B60T1/06 B60T5/00 B62J99/00 B62K5/00 F16D65/847 (Advanced/Invention); B60T1/00 B60T5/00 B62J99/00 B62K5/00 F16D65/00 (Core/Invention)

International class (IPC 1–7): B60K11/00 B62J39/00 F16D65/847

CPC: Y10S180/908 B62K5/01 B60T1/062 B60T5/00

European class: B60T1/06B B60T5/00 B62K5/01

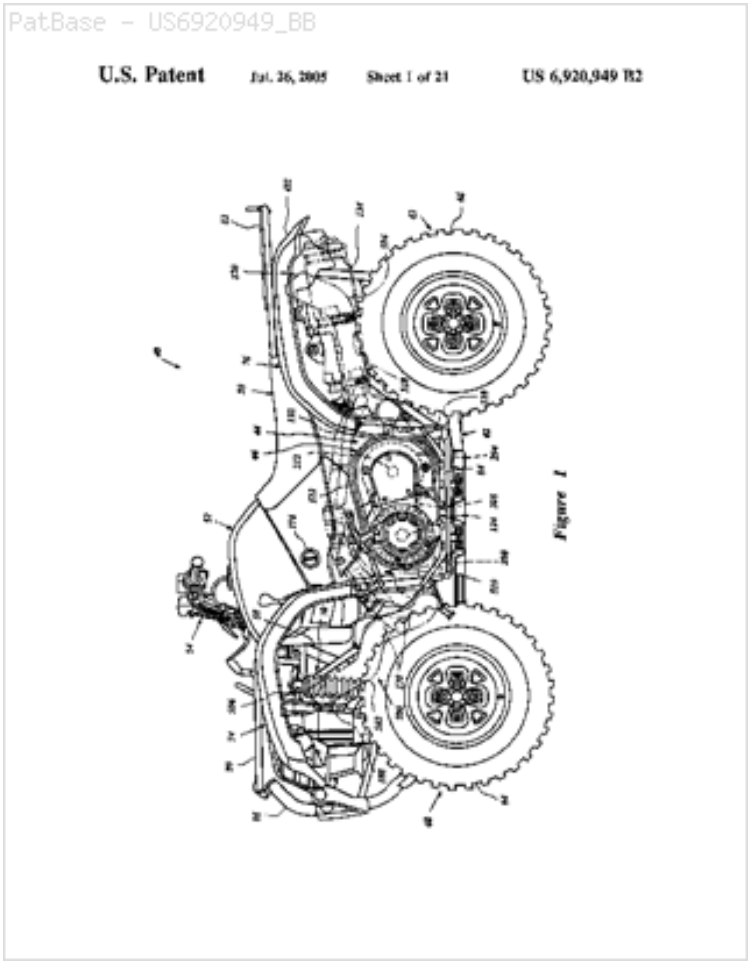
US class: 180/68.2 180/68.200P 180/908 188/264A

Classification Explorer

Cited documents: US6705417 BB, US6622806 BA, US6537338 BB, US6315091 BA, US6170597 BA, US6170597 B1, US6086492 A, US6073731 A, US5976044 A, US5692578 A, US5657628 A, US5577570 A, US5205244 A, US5176111 A, US5174258 A, US5152365 A, US5016725 A, US4878555 A, US4848294 A, US4836324 A, US4821685 A, US4805747 A, US4772299 A, US4744432 A, US4742884 A, US4723617 A, US4697665 A, US4667760 A, US4593656 A, US4534440 A, US4531606 A, US4496019 A, US4483686 A, US4434755 A, US4321978 A, US4319657 A, JP11149622 A2, JP10110813 A2,

Forward Citations: USD593005, US9169812, US8844668, US8763739, US8453775, US8181733, US8074756, US8042636, US8037958, US7882911, US7770907, US7690472, US7690462, US7665566, US7650959, US7647995, US7527298, US7510199, US7506712, US7487853, US7438147, US7367419, US7367417, US7363999, US7357211, US7337884, US7287619, US7284629, US7156199, US7140462, US7028818, US6988573, US6959934, US6923293, US2015014083, US2011209937, US2011108349, US2010187036, US2009242312, US2009050391, US2008289892, US2008236918, US2008072558, US2008015066, US2008015065, US2007170683, US2007023220, US2006207823, US2006196739, US2006090942, US2005150707, US2005133289, US2004250455, US2004216945, US2004206567, US2004195018, US2004178012, US2004173394, US2004129467, US2003213628,

Abstract:
Source: US2003029656A A small vehicle has a frame assembly that is supported by rear wheels. An engine is supported by the frame assembly. The rear wheels are driven by the engine through a shaft drive arrangement. A brake assembly is connected to the shaft drive arrangement. An exhaust system extends away from the engine. An air cleaner is positioned along an air induction system of the engine. The air cleaner is positioned between the exhaust system and a cooling air duct that supplies cooling air to the brake assembly.



0) US2008246300A – FLIP–DOWN FOOTREST FOR AN ALL–TERRAIN VEHICLE

48) Family number: 42048910 (US2008246300A) © PatBase

Title: FLIP–DOWN FOOTREST FOR AN ALL–TERRAIN VEHICLE

Priority: US20040551493P 20040308 US20050072640 20050307 US20080142389 20080619

Family:

Publication number	Publication date	Application number	Application date
US2008246300 AA	20081009	US20080142389	20080619
US7404568 BA	20080729	US20050072640	20050307
US7543836 BB	20090609	US20080142389	20080619

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER RECREATIONAL PROD

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BANK OF MONTREAL

Inventor(s):(std)**:** AUDET MATHIEU ; DUBE ERIC ; IBBETT JAMIE ; NADEAU DANIEL ; PORTELANCE MARTIN

Agent(s): OSLER HOSKIN AND HARCOURT LLP BRP; OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9): B60N3/06 B62K5/00 (Advanced/Invention); B60N3/00 B62K5/00 (Core/Invention)

CPC: B62J25/00 B62K5/01 Y10S180/908

European class: B62J25/00 B62K5/01

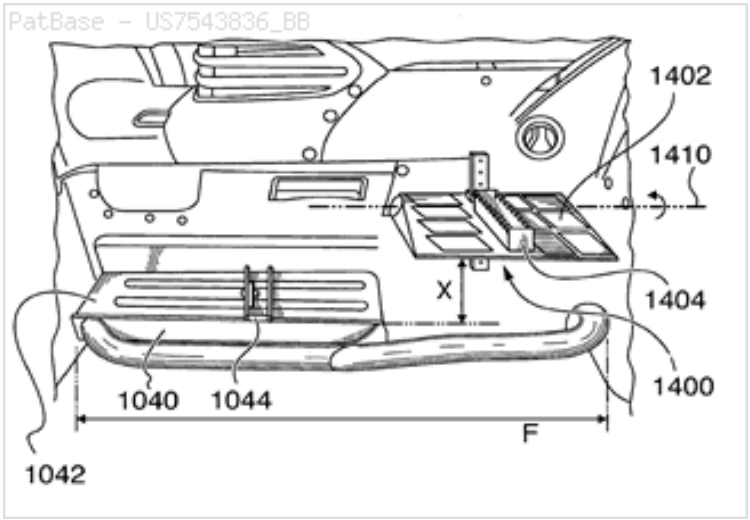
US class: 180/908 280/288.4 280/291 280/89.1 280/908 296/75 296/75P

Classification Explorer

Cited documents: WO3042026, WO03042026 A1, US7121371 BB, US6968917 BB, US6843495 BB, US6782963 BB, US6755269 BA, US6712172 BB, US6682085 BB, US6634694 BB, US6588529 BB, US6478103 BA, US6270106 BA, US6113121 A, US5893424 A, US5458038 A, US4546993 A, US2005247506 AA, US2004206568 AA, US2004173653 AA, US2004135342 AA, US2004134707 AA, US2004129485 AA, US2004113389 AA, US2004112668 AA, US2004112658 AA, US2004108159 AA, US2004108158 AA,

Forward Citations: US9278722, US8844999, US8419104, US8226120, US8109556, US7802806, US7594671, US7475897, US2013153325, US2012090908, US2010163329, US2009243328, US2008217088, US2008030040, US2008029990, US2008029325,

Abstract:
Source: US2008246300A A two–seater all–terrain vehicle (ATV) has straddle–type driver and rear passenger seats, and a pair of movable rear footrests to support the feet of a rear passenger. The rear footrests pivot from a stowed non–supporting position to a supporting position. When folded into the non–supporting position, the rear footrests become substantially flush with side paneling of the vehicle. The all–terrain vehicle may further include a pair of vertical and horizontal adjustment mechanisms for independently vertically adjusting each of the rear passenger footrests so that passengers of varying height can be comfortably accommodated on the rear seat. A cargo space is provided under the passenger's footrest, the cargo space being enlarged when the passenger's footrests are in the stowed position. Restraints and other holding mechanisms are also provided. The flip–down adjustable rear footrests may be used on other types of straddle–type recreational vehicles.



0) US2006279109A – V–SHAPED FRONT ASSEMBLY OF VEHICLE

49) Family number: 33993391 (US2006279109A) © PatBase

Title: V–SHAPED FRONT ASSEMBLY OF VEHICLE

Priority: US20050150609 20050610 WO2006US22632 20060609

Family:

Publication number	Publication date	Application number	Application date
CN101171149 A	20080430	CN200680014940	20060609
CN101171149 B	20101110	CN200680014940	20060609
US2006279109 AA	20061214	US20050150609	20050610
US7258394 BB	20070821	US20050150609	20050610
WO06135813 A2	20061221	WO2006US22632	20060609
WO06135813 A3	20070607	WO2006US22632	20060609

Probable Assignee: YAMAHA MOTOR MFG CORP OF AMERICA

Assignee(s):(std)**:** KOTRLA KEITH ; SMITH CRAIG ; YAMAHA MOTOR MFG CORP ; YAMAHA MOTOR MFG CORP OF AMERI

Assignee(s): YAMAHA MOTOR MFG CORP OF AMERICA ; YAMAHA MOTOR MFG OF AMERICA CORP

Inventor(s):(std)**:** CRAIG SMITH ; KEITH KOTRLA ; KOTRLA KEITH ; SMITH CRAIG

Agent(s): YAMAHA HATSUDOKI KABUSHIKI KAISHA, C/O KEATING AND BENNETT LLP; YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO 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

International class (IPC 8–9): B60J7/00 B60R19/00 B60R19/52 B62D25/08 B62J27/00 (Advanced/Invention); B60R19/00 B62D25/08 (Core/Invention)

CPC: B62K5/01

European class: B62K5/01

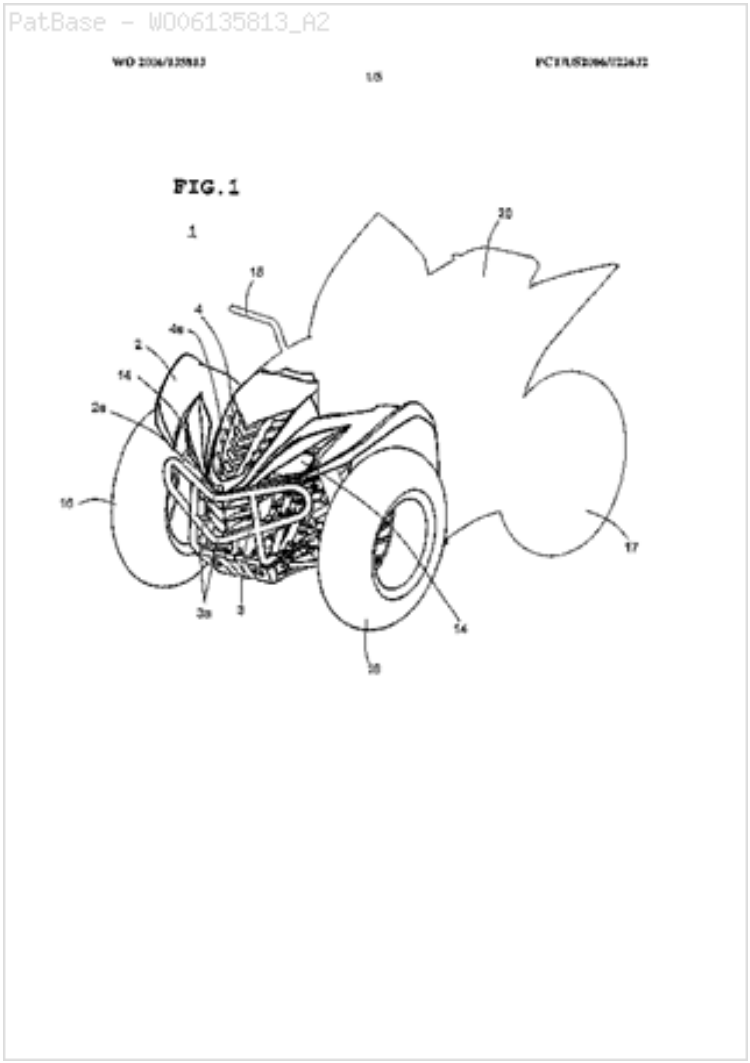
US class: 293/115 296/193.1 296/203.02 296/203.020P

Classification Explorer

Cited documents: USD497850 S1, US6460907 BB, US6439328 BA, US2529998 A, US2220272 A, US2004140140 AA,

Forward Citations: US7581784, US2009273196, US2007114814, FR2927863,

Abstract:
Source: US2006279109A An all terrain vehicle includes a substantially V−shaped front fender, a substantially V−shaped front carrier bar, and a substantially V−shaped grille. Apexes of the substantially V−shaped front fender, the substantially V−shaped front carrier bar and the substantially V−shaped grille are substantially aligned along a common vertical axis.



0) US6547027B – ALL TERRAIN VEHICLE

50) Family number: 28467923 (US6547027B) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20000574234 20000519

Family:

Publication number	Publication date	Application number	Application date
US6547027 BA	20030415	US20000574234	20000519

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std): BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC

Inventor(s):(std): KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

International class (IPC 8–9): B62J1/12 B62K5/00 (Advanced/Invention); B62K5/00 (Advanced/Non–invention)

International class (IPC 1–7): B62D21/00

CPC: B62K5/01 B62J1/12 B62K2005/001

European class: B62J1/12 B62K5/01 L62K5/00B

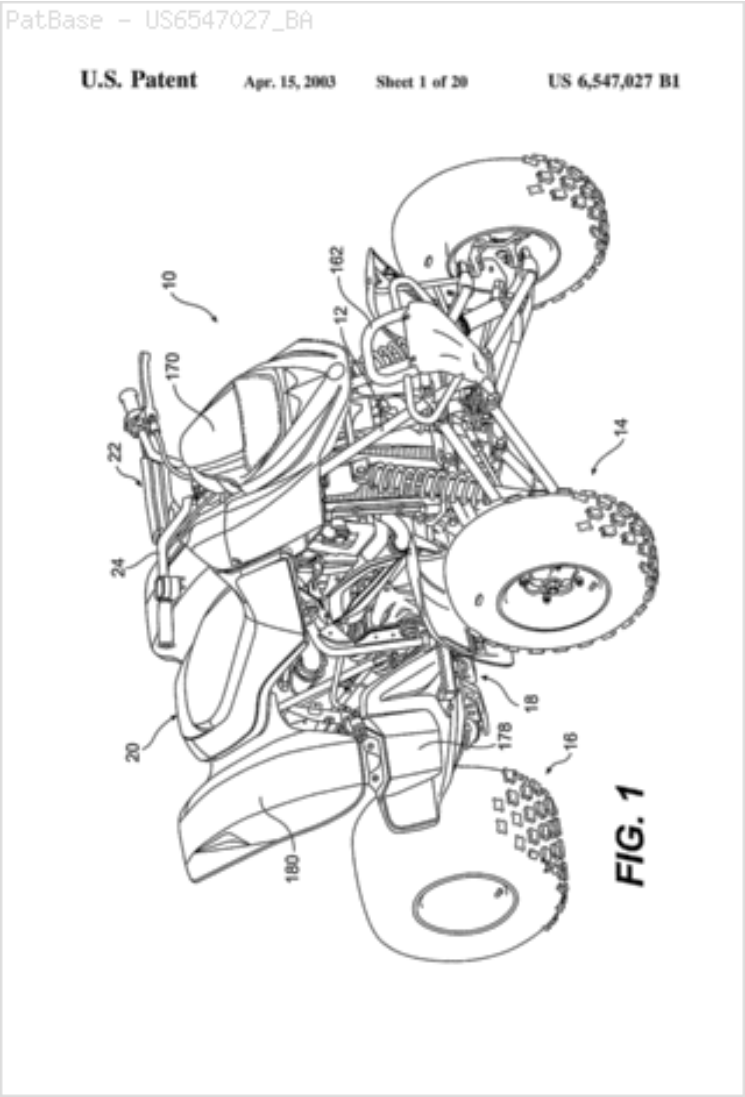
US class: 180/210 180/215 180/312 280/156 280/157 297/195.1

Classification Explorer

Cited documents: US6109621 A, US5353734 A, US5074573 A, US4836324 A, US4744432 A, US4457524 A, US4413700 A, US4325562 A, US1910635 A, JP60124581 A2,

Forward Citations: WO09008779, WO08143836, WO08143836, USD592116, US9266580, US9050869, US9045191, US9004214, US8973696, US8783720, US8622428, US8596398, US8430444, US8191930, US8191929, US8191677, US8091657, US8075007, US7954853, US7950736, US7942447, US7845452, US7806217, US7802816, US7757799, US7708105, US7669678, US7658411, US7644791, US7641207, US7624835, US7624829, US7618063, US7604562, US7591337, US7571787, US7537499, US7530419, US7461851, US7448664, US7367573, US7306069, US7231996, US7228930, US7168998, US7086691, US7055642, US7055642, US6964314, US6702058, US2013015634, US2012241237, US2012186895, US2011198831, US2011198830, US2011012334, US2010194088, US2010108428, US2009294199, US2009255747, US2009200766, US2009071738, US2008284124, US2008283327, US2008283326, US2008236923, US2008203795, US2008115991, US2007257516, US2007257479, US2007176384, US2007169975, US2007075517, US2007075514, US2007066438, US2006197331, US2006192375, US2006186699, US2006131827, US2006090950, US2006048987, US2005253353, US2005217912, US2005205315, US2005178603, US2005140178, US2004195035, US2004188156, US2004035624, US2003001377, EP1541465, EP1516809, CN102126522, CN102126521, AU2005205848,

Abstract:
Source: US6547027B An all terrain vehicle, also known as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US2007054764A – STRADDLE−TYPE VEHICLE AND POWER UNIT

51) Family number: 34274242 (US2007054764A) © PatBase

Title: STRADDLE−TYPE VEHICLE AND POWER UNIT

Priority: JP20050256702 20050905

Family:

Publication number	Publication date	Application number	Application date
CN1927648 A	20070314	CN200610112383	20060831
CN1927648 B	20110406	CN200610112383	20060831
EP1759910 A2	20070307	EP20060018580	20060905
EP1759910 A3	20101006	EP20060018580	20060905
JP2007071253 A2	20070322	JP20050256702	20050905
TW200726932 A	20070716	TW20060129427	20060810
TWI360612 B	20120321	TW20060129427	20060810
US2007054764 AA	20070308	US20060466811	20060824
US7905803 BB	20110315	US20060466811	20060824

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** IZUMI KAZUHIKO ; KAZUHIKO IZUMI ; KAZUHIKO MOCHIZUKI SHIGEHIRO I ; MOCHIZUKI SHIGEHIRO ; SHIGEHIRO MOCHIZUKI

Inventor(s): MOCHIZUKI SHIGEHIRO IZUMI KAZUHIKO

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; YAMAHA HATSUDOKI KABUSHIKI KAISHA, C/O KEATING AND BENNETT LLP; YAMAHA HATSUDOKI C O KEATING AND BENNETT LLP KK; KEATING AND BENNETT 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 MK NL PL PT RO RS SE SI SK TR YU

International class (IPC 8–9): B60K13/04 B60K17/08 B60K6/02 B60K6/20 B62K11/00 B62K5/00 B62M9/04 B62M9/08 F16H59/00 F16H61/00 F16H63/06 F16H9/00 F16H9/12 F16H9/14 F16H9/18 (Advanced/Invention); B60K13/00 B60K6/00 B62K11/00 B62K5/00 B62M9/00 F16H59/00 F16H61/00 F16H9/02 (Core/Invention)

CPC: Y10T74/19242 Y10T74/1946 B62K5/01 F16H9/18 F16H63/062

European class: B62K5/01 F16H63/06E F16H9/18

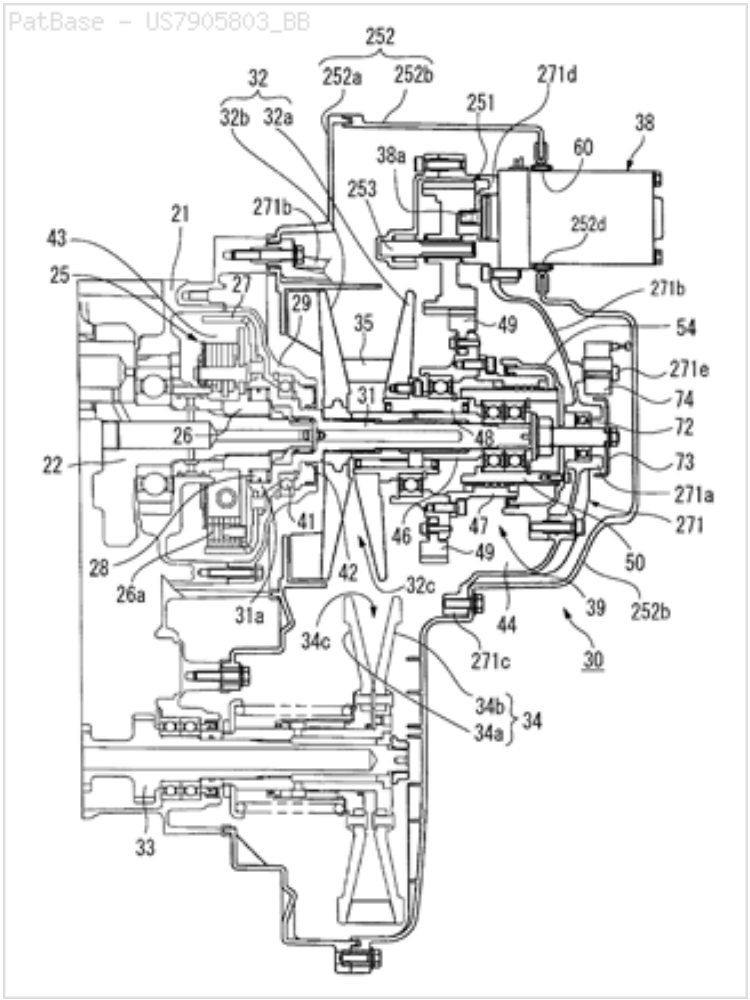
US class: 180/220 180/233 180/357 474/12 474/12S 474/17 474/18 474/18P 474/19 474/23 474/26 474/26S 475/210 475/28 475/69 74/333 74/371

Classification Explorer

Cited documents: US7281603 BB, US7281603 B2, US7237638 BB, US6884191 BB, US6884149 B2, US6694836 BB, US6694836 B2, US5057061 A, US5057061, US5025686 A, US2005109554 AA, US2004102267 AA, US2004094343 AA, TW200500257, JP3043061 B4, JP3043061 B2, JP3043061, JP2004156657 A2, JP2002235834 A2,

Forward Citations: US9429235, US9151384, US8844999, US8684887, US8682550, US8682549, US8534413, US8494728, US8419104, US8109556, US2013153325, US2012090908, US2011153174, US2011152020, US2010163329, US2009062995, TWI330230, CN103032535, CN103032535, CN102555790, CN102555790,

Abstract:
Source: US2007054764A In a V−belt continuously variable transmission (CVT) of an ATV, a movable sheave half of a primary sheave is disposed on the outer side in the vehicle width direction with respect to a fixed sheave half, and a sheave drive mechanism for controlling the respective groove widths of the primary sheave and a secondary sheave through a driving force by an electric motor is located on the outer side in the vehicle width direction with respect to the movable sheave half of the primary sheave. A footboard of the ATV is located on the outer side of the V−belt CVT in the vehicle width direction and below a primary sheave shaft and a secondary sheave shaft. A portion of the electric motor is located above and in front of the primary sheave shaft as viewed in the sheave shaft direction. A straddle−type vehicle having the compact, yet durable V−belt continuously variable transmission achieves a speed change operation highly responsive to the vehicle running condition.



0) US2007267885A – PICKUP BOX SIDE MODULE

52) Family number: 40835883 (US2007267885A) © PatBase

Title: PICKUP BOX SIDE MODULE

Priority: CA20072587722 20070504 US20060798093P 20060505 US20070744498 20070504

Family:

Publication number	Publication date	Application number	Application date
CA2587722 AA	20071105	CA20072587722	20070504
CA2587722 C	20140715	CA20072587722	20070504
US2007267885 AA	20071122	US20070744498	20070504
US7686365 BB	20100330	US20070744498	20070504

Probable Assignee: MAGNA INT INC

Assignee(s):(std)**:** MAGNA INT INC ; MAGNA INTERNAT INC ; SMITH KEVIN R ; THELEN JOHN L

Assignee(s): THELEN JOHN LOUIS ; MAGNA INT INC337 MAGNA DRIVEAURORAO1L4G 7K1CA ; MAGNA INTERNATIONAL INC ; MAGNA INT

Inventor(s):(std)**:** SMITH KEVIN R ; THELEN JOHN L ; THELEN JOHN LOUIS

Inventor(s): THELEN JOHN LOUISUS ; SMITH KEVIN RUS

Agent(s): BRANDT KERSTIN B; MAGNA INT INC; WARN PARTNERS PC

International class (IPC 8–9): B60R5/00 B60R7/02 B60R9/00 B60R9/02 B62D25/00 B62D33/04 (Advanced/Invention); B60R5/00 B60R7/00 B60R9/00 B62D25/00 B62D33/00 (Core/Invention)

CPC: B60R9/00

European class: B60R9/00

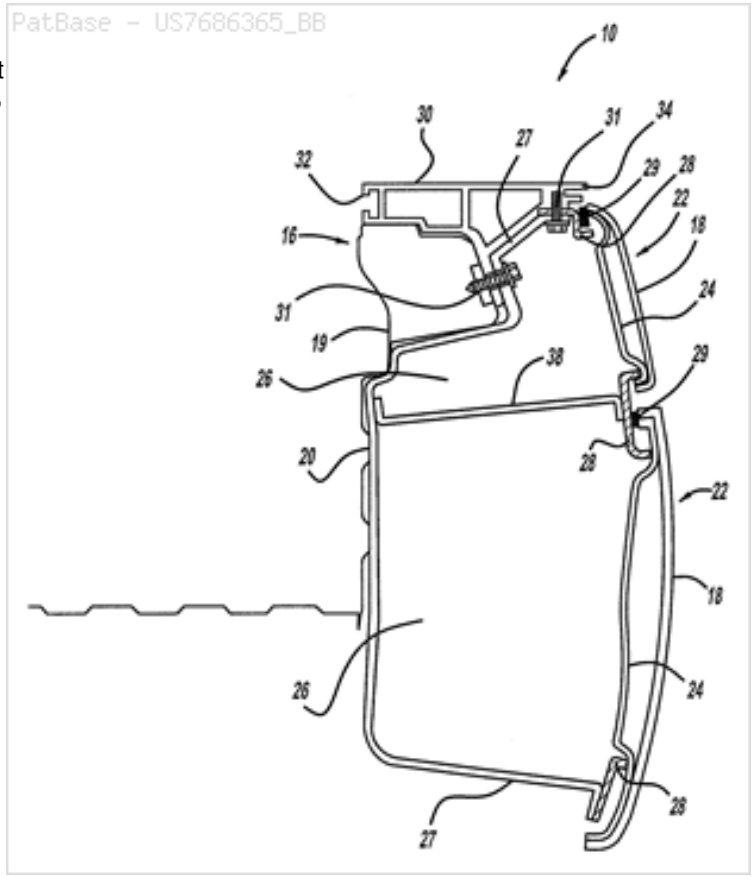
US class: 220/480 224/404 296/181.3 296/24.45 296/37.6

Classification Explorer

Cited documents: USD92009 S1, USD148541 S1, USD148021 S1, USD143992 S1, US7478856 BA, US7461884 BB, US7431368 BB, US7219941 BA, US7118150 BB, US7104583 BB, US7048320 BB, US6955385 BA, US6941654 BA, US6814397 BB, US6705680 BB, US6554342 BA, US6543829 BB, US6533339 BA, US6499795 BB, US6485077 BA, US6439634 BA, US6328365 BA, US6237211 BA, US6142549 A, US6139081 A, US6131981 A, US6129401 A, US6102474 A, US6089639 A, US6059341 A, US6033002 A, US6030018 A, US6012754 A, US6007130 A, US5979973 A, US5979617 A, US5941589 A, US5895086 A, US5826931 A, US5823598 A, US5819390 A, US5784769 A, US5667268 A, US5660427 A, US5615922 A, US5567000 A, US5421645 A, US5383703 A, US5316358 A, US5303795 A, US5267773 A, US5188414 A, US4971092 A, US4917430 A, US4685695 A, US4632446 A, US4522442 A, US4384663 A, US4135761 A, US4126349 A, US3799605 A, US3727971 A, US3722946 A, US3596976 A, US3492042 A, US3326595 A, US3245713 A, US3068038 A, US2978153 A, US2878955 A, US2722352 A, US2711343 A, US2616754 A, US2530578 A, US2504222 A, US2455417 A, US2173112 A, US2009045646 AA, US2009026786 AA, US2008309108 AA, US2008308591 AA, US2008284188 AA, US2008231066 AA, US2008191506 AA, US2008157556 AA, US2008122240 AA, US2006219746 AA, US2006125269 AA, US2005134070 AA, US2004056499 AA, US2003102685 AA, US2001050491 AA, US2001038230 AA, US2001038219 AA, US2001038218 AA, JP3079478 A2,

Forward Citations: US9604677, US9409525, US9340932, US9308944, US9193290, US9126535, US9120510, US8857882, US8708397, US8573671, US7722111, US2016075287, US2015360734, US2015284032, US2014301785, US2014021232, US2012292939, US2012256438, US2012086243, US2010314899, US2010140972, US2009313904, US2009146443, US2009026786,

Abstract:
Source: US2007267885A The present invention relates to a storage module having at least one exterior panel of a motorized vehicle, at least one door, and at least one inner panel. The door is at least partially formed by at least one of the exterior panels. At least one of the exterior panels and at least one of the interior panels define at least one area to form the storage module.



0) US2009243275A – SADDLE–TYPE VEHICLE INCLUDING WHEEL WELL SHIELD...

53) Family number: 43782959 (US2009243275A) © PatBase

Title: SADDLE–TYPE VEHICLE INCLUDING WHEEL WELL SHIELDS AND AN UNDERBODY SPLASH GUARD MEMBER

Priority: CA20092648844 20090108 JP20080082962 20080327

Family:

Publication number	Publication date	Application number	Application date
CA2648844 AA	20090927	CA20092648844	20090108
CA2648844 C	20110920	CA20092648844	20090108
JP2009234423 A2	20091015	JP20080082962	20080327
JP5129631 B2	20130130	JP20080082962	20080327
US2009243275 AA	20091001	US20090378140	20090211
US8141906 BB	20120327	US20090378140	20090211

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; HOSODA TETSURO ; OSHIMA TADASHI ; HIRAI KAZUHITO

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** HIRAI KAZUHITO ; HOSODA TETSURO ; OSHIMA TADASHI ; HOSODA TETSUO

Agent(s): DENNISON ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES PC; WILLIAM D; JOSEPH P

International class (IPC 8–9): B62D25/16 B62D25/18 B62D25/20 B62J15/00 B62J23/00 B62K11/00 B62K5/00 (Advanced/Invention); B62D25/16 B62J15/00 B62J23/00 B62K5/00 (Core/Invention)

CPC: B62K5/01

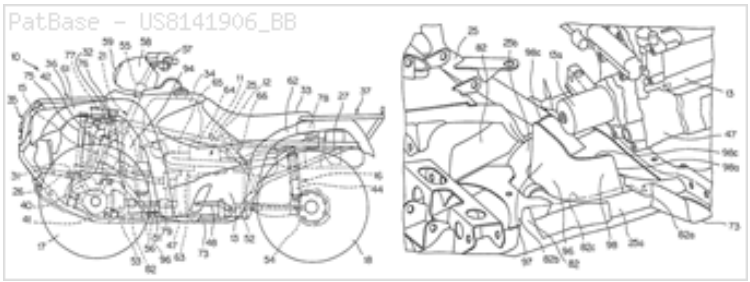
European class: B62K5/01

US class: 180/69.1 180/84 280/159 280/160 280/847 280/848 280/851 280/851P 280/853 296/198

Classification Explorer

Cited documents: US4773661 A, US2006197331 AA, JPS63201890 U, JPS6219437 U, JPS6216086 U, JPS60166526, JP63201890 U1, JP63201890 U, JP63201890 A2, JP63201890 A1, JP62019437 U1, JP62019437 U, JP62019437 A2, JP62016086 U1, JP62016086 U, JP62016086 A2, JP60166526 A2, JP1113093 U1,

Forward Citations: JP2010510381,



Abstract:
Source: US2009243275A A saddle–type vehicle has an engine compartment protected from mud and water splash by wheel well shields and a centrally located underbody splash guard member, arranged to substantially block mud and water from splashing back toward an engine during operation of the vehicle. These splash guards are also configured to ensure a space for maintenance. The vehicle includes inner wheel well shields located respectively laterally inside of the front wheels, and an underbody splash guard member including first and second guard portions. The first guard portion provided on the underbody splash guard member is located laterally inside of the wheel well shields, and the second guard portion is located laterally inside of the first guard portion for covering a front portion of the engine.

0) CA2308987A – ALL TERRAIN VEHICLE VEHICULE TOUT TERRAIN

54) Family number: 28071554 (CA2308987A) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: CA20002308987 20000519

Family:

Publication number	Publication date	Application number	Application date
CA2308987 AA	20011119	CA20002308987	20000519

Probable Assignee: BOMBARDIER INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

Inventor(s):(std)**:** RONDEAU PIERRE ; PORTELANCE MARTIN ; KALHOK DAVID

International class (IPC 8–9)**:** B60N2/24 B62D25/18 B62D63/02 B62J1/12 B62J15/00 B62K5/00 (Advanced/Invention); B60N2/24 B62J1/00 B62J15/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60N2/24 B62D25/18 B62D63/02

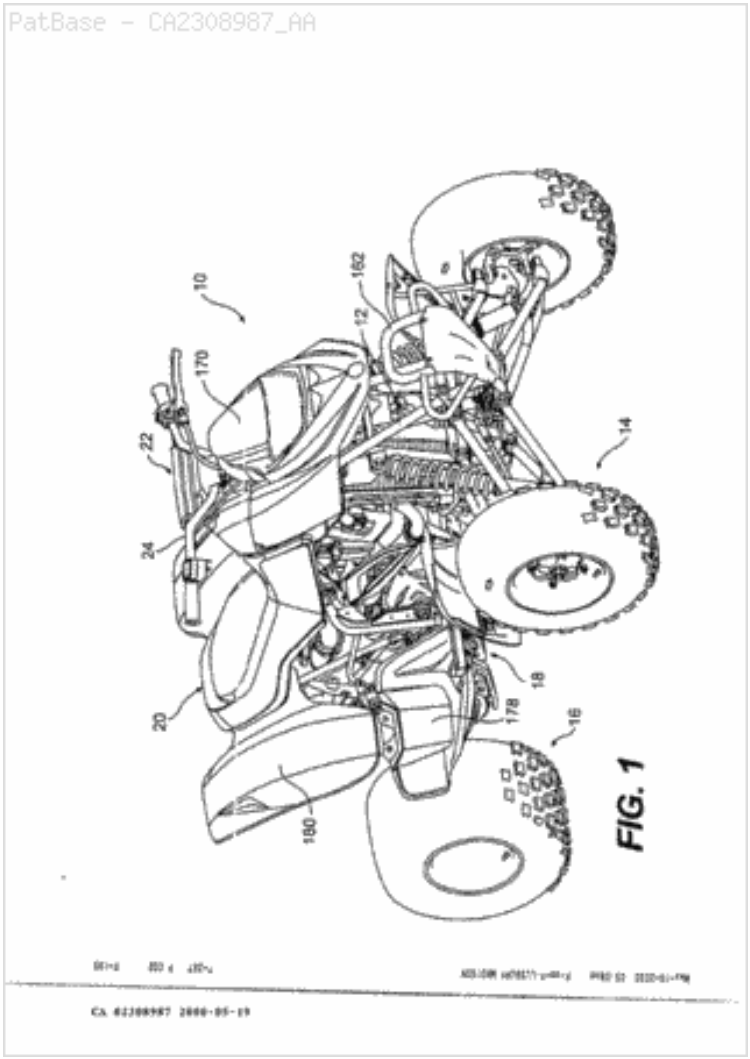
CPC: B60N2/24 B62J1/12 B62J15/00 B62K5/01

European class: B60N2/24 B62J1/12 B62J15/00 B62K5/01

Classification Explorer

Forward Citations: US8007005, AU2008200563,

Abstract:
Source: CA2308987A An all terrain vehicle, also know. as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US2004129467A – COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINE

55) Family number: 30586421 (US2004129467A) © PatBase

Title: COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINE

Priority: CA20032443539 20030930 JP20020285821 20020930

Family:

Publication number	Publication date	Application number	Application date
CA2443539 AA	20040330	CA20032443539	20030930
CA2443539 C	20060718	CA20032443539	20030930
JP2004122812 A2	20040422	JP20020285821	20020930
JP4139179 B2	20080827	JP20020285821	20020930
US2004129467 AA	20040708	US20030672347	20030925
US6988573 BB	20060124	US20030672347	20030925

Probable Assignee: HONDA GIKEN KOGYO KK

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

Assignee(s): KANAI KATSUMI ; TSURUTA YUUICHIROU ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** KANAI KATSUMI ; TSURUTA YUICHIRO ; TSURUTA YUUICHIROU

Agent(s): DENNISON ASSOCIATES; HAMRE SCHUMANN MUELLER AND LARSON PC

International class (IPC 8–9)**:** B60K11/00 B60K11/06 B60K11/08 B60K13/02 B62J99/00 B62K5/00 F01P1/00 F01P1/02 F01P1/10 F02K7/08 (Advanced/Invention); B60K11/00 B60K13/00 B62J99/00 B62K5/00 F01P1/00 F02K7/00 (Core/Invention)

International class (IPC 1–7)**:** B60K11/00 B60K11/06 B62J39/00 B62K5/00 F01P1/02 F01P1/10

CPC: Y10S60/912 B60K11/08 B60Y2200/12

European class: B60K11/08 L60Y200/12

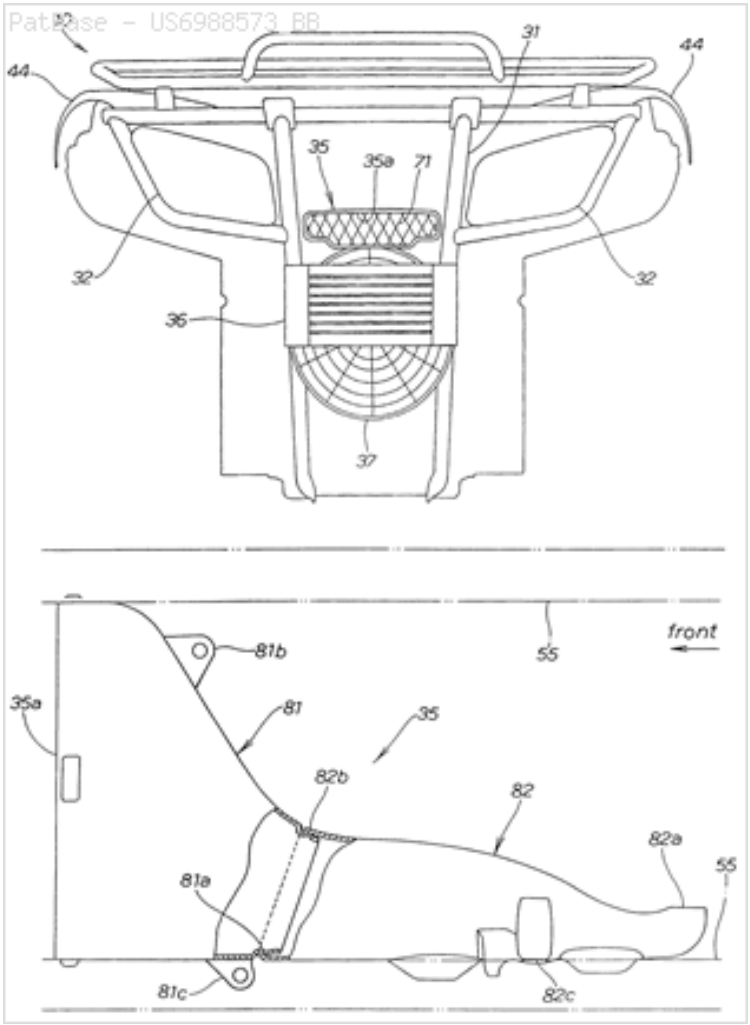
US class: 123/41.56 180/68.1 180/68.100P 180/68.2 180/68.3 60/912

Classification Explorer

Cited documents: US6216809 BA, US5251718 A, US3506082 A, US2614654 A, US2191599 A, US2003029656 AA, US1974033 A, US1925415 A, JPS6256032, JPS62105719, JPS56512, JPS56111215, JP8091277 A2, JP6432983, JP62105719 A2, JP62056032 A2, JP56157319 U, JP56111215 A2, JP56000512 A2, JP5112271 A2, JP3279018 A2, JP2144228 A2, JP2002264875 A2, JP2001246917,

Forward Citations: US9085231, US8863865, US8662025, US8381855, US8307791, US7931301, US7793750, US7665566, US7562736, US7556115, US7441619, US7380622, US7210547, US2015090510, US2011232592, US2011094811, US2011083922, US2010065011, US2009127014, US2009101657, US2008289893, US2006207823, US2005257990, US2005173918, US2004040958, TWI551775, JP6052108, JP2015047892, EP1759970,

Abstract:
Source: US2004129467A A cooling air path is formed by an air duct provided in front of an engine and below main frames. The air duct has a cooling air port that is almost the same width, in plan view, as the lateral width of the main frames and a discharge port is formed thinner than the cooling air port, further to the rear than the cooling air port and in the vicinity of the engine.



0) US2001016626A – WEATHERABLE BLOCK COPOLYESTERCARBONATE COMPOSIT...

56) Family number: 30056028 (US2001016626A) © PatBase

Title: Weatherable block copolyestercarbonate compositions

Priority: EP19990953218 19991019 US19980181902 19981029 WO1999US20413 19990907 US20010753878 20010103 US19990416529 19991012 US20030410693 20030411 WO1999US24317 19991019 WO1999US24317 19991019

Family:

Publication number	Publication date	Application number	Application date
AT258199 E	20040215	AT19990945533T	19990907
AT310035 E	20051215	AT19990953218T	19991019
AT420912 E	20090115	AT19990024810T	19991019
CN100462388 C	20090218	CN200610142169	19991019
CN1262572 C	20060705	CN19998015242	19990907
CN1288187 C	20061206	CN19998015062	19991019
CN1331711 A	20020116	CN19998015062	19991019
CN1332760 A	20020123	CN19998015242	19990907
CN1865315 A	20061122	CN200610077805	19990907
CN1865315 B	20121128	CN200610077805	19990907
CN1948361 A	20070418	CN200610142169	19991019
DE69914352 D1	20040226	DE19996014352	19990907
DE69914352 T2	20041209	DE19996014352T	19990907
DE69928431 D1	20051222	DE19996028431	19991019
DE69928431 T2	20060727	DE19996028431T	19991019
DE69940328 D1	20090305	DE19996040328	19991019
EP1124878 A1	20010822	EP19990945533	19990907
EP1124878 B1	20040121	EP19990945533	19990907
EP1124879 A1	20010822	EP19990953218	19991019
EP1124879 B1	20051116	EP19990953218	19991019
EP1624008 A1	20060208	EP20050024810	19991019
EP1624008 B1	20090114	EP20050024810	19991019
ES2214046 T3	20040901	ES19990945533T	19990907
ES2251233 T3	20060416	ES19990953218T	19991019
JP2002528614 T2	20020903	JP20000579657T	19990907
JP2004500442 T2	20040108	JP20000579658T	19991019
JP4740457 B2	20110803	JP20000579658T	19991019
US2001016626 AA	20010823	US20010753878	20010103
US2003216539 AA	20031120	US20030410693	20030411
US6559270 BA	20030506	US19990416529	19991012
US6583256 BB	20030624	US20010753878	20010103
WO0026274 A1	20000511	WO1999US20413	19990907
WO0026275 A1	20000511	WO1999US24317	19991019

Probable Assignee: SABIC INNOVATIVE PLASTICS IP BV

Assignee(s):(std)**:** PATEL BIMAL RAMESH ; GEN ELECTRIC ; GENERAL ELECTRIC CO ; SABIC INNOVATIVE PLASTICS IP ; ZHOU HONGYI ; VOLLENBERG PETER HENDRIKUS

Assignee(s): VOLLENBERG PETER HENDRIKUS THEODORUS ; SURIANO JOSEPH ANTHONY ; SYBERT PAUL DEAN ; WEBB JIMMY LYNN ; SABIC INNOVATIVE PLASTICS IP BV ; FISHBURN GEORGIA DRIS ; SICLOVAN TIBERIU MIRCEA ; PICKETT JAMES EDWARD ; GENERAL ELECTRIC CO SCHENECTADY ; SABIC INNOVATIVE PLASTICS IP B V ; GENERAL ELECTRIC COMPANY ; BLOHM MARGARET LOUISE ; BROWN STERLING BRUCE ; BRUNELLE DANIEL JOSEPH ; BUCKLEY DONALD JOSEPH ;

CITIBANK NA ; CITIBANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** BROWN BRUCE ; BROWN S B ; BROWN T M SICLOVAN J L WEBB S ; BUCKLEY JOSEPH ; BUCKLEY JR DONALD JOSEPH ; JL WEBB ; JOSEPH BUCKLEY DONALD JR ; PATEL BIMAL RAMESH ; PICKET EDWARD ; PICKET JAMES EDWARD ; SB BROWN ; SICLOVAN MIRCEA ; SICLOVAN T M ; TM SICLOVAN ; VOLLENBERG PETER HENDRIKUS ; VOLLENBERG PETER HENDRIKUS THE ; WEBB J L ; WEBB LYNN ; ZHOU HONGYI ; WEBB JIMMY LYNN ; SICLOVAN TIBERIU MIRCEA ; PICKETT JAMES EDWARD ; BUCKLEY DONALD JOSEPH JR ; BROWN STERLING BRUCE ; SYBERT PAUL DEAN ; SURIANO JOSEPH ANTHONY ; PICKETT EDWARD ; MIRCEA SICLOVAN TIBERIU ; LYNN WEBB JIMMY ; FISHBURN GEORGIA DRIS ; EDWARD PICKETT JAMES ; BUCKLEY DONALD JOSEPH ; BRUNELLE DANIEL JOSEPH ; BRUCE BROWN STERLING ; BLOHM MARGARET LOUISE ; JO SICLOVAN TIBERIU MIRCEA BRO

Inventor(s): SICLOVAN TIBERIU MIRCEA BROWN STERLING BRUCE PICKE ; SICLOVAN TIBERIU MIRCEA BROWN STERLING BRUCE ; VOLLENBERG PETER HENDRIKUS THEODORUS ; TM SICLOVAN JL WEBB SB BROWN ; SICLOVAN TIBERIU MIRCEA BROWN STERLING BRUCE PICKETT JAMES EDWARD WEBB JIMMY LYNN BUCKLEY DONALD JOSEPH JR ; T M SICLOVAN ; T M SICLOVAN J L WEBB S B BROWN ; S B BROWN ; J L WEBB

Agent(s): MODIANO MICAELA NADIA ET AL

Designated states: AT BE CH CN CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE SG

International class (IPC 8–9): B60R13/02 B60R13/04 C08G63/64 C08G63/78 C08G64/18 C08J5/00 C08L57/00 C08L67/00 C08L69/00 C08L79/08 (Advanced/Invention);
C08L67/02 C08L67/03 C08L79/08 F02B61/04 (Advanced/Non–invention);
B60R13/02 B60R13/04 C08G63/00 C08L57/00 C08L67/00 C08L69/00 C08L79/00 (Core/Invention);
C08L67/00 C08L79/00 F02B61/00 (Core/Non–invention)

International class (IPC 1–7): B60R13/02 B60R13/04 C08G63/02 C08G63/64 C08G63/78 C08G64/00 C08G64/01 C08L57/00 C08L67/00 C08L69/00 C08L79/08

CPC: C08L67/00 C08G63/64 C08G63/78 C08G64/18 C08G2261/126 C08L67/02 C08L67/03 C08L69/00 C08L69/005 C08L79/08 F02B61/045

European class: C08G63/64 C08G63/78 C08G64/18 C08L67/00 C08L69/00 C08L69/00B M08G261/126 M08L67/02 M08L67/03 M08L69/00 M08L79/08 R02B61/04B

US class: 525/165 525/165P 525/166 525/166S 525/176 525/176S 525/439 525/439S 525/445 525/445S 528/196 528/198 528/272 528/272P

Classification Explorer

Cited documents: US6664366 BB, US6514594 BA, US6306507 BA, US6294647 BA, US6291589 BA, US6265522 BA, US6143839 A, US6136441 A, US6087007 A, US5916997 A, US5846659 A, US5821322, US5807965 A, US5714567 A, US5552463 A, US5510182 A, US5321114 A, US5318850 A, US5064704 A, US5036150 A, US5030505 A, US4992322 A, US4973652 A, US4948864 A, US4931364 A, US4643937 A, US4617368 A, US4576842 A, US4506065 A, US4503121 A, US4495325 A, US4487896 A, US4482694 A, US4454275 A, US4414230 A, US4334053 A, US4286086 A, US4286083 A, US4281099 A, US4238597 A, US4238596 A, US4217438 A, US4194038 A, US4156069 A, US4127560 A, US3939117 A, US3905942 A, US3803085 A, US3506470 A, US3503779 A, US3492261 A, US3460961 A, US3444129 A, US3207814 A, US3169121 A, US3030331 A, US2973652 A, JPS62283122 A2, JPS56133332 A2, JP62283122 A2, JP6122756 A2, JP56133332 A2, JP5613332, JP56013332 A2, JP4041524 A2, JP3033154 A2, JP2002528614 T2, JP1201326 A2, JP1199841 A2, EP0736558 A2, EP0733470 A1, EP0469404 A2, EP0448814 A2, EP0193176 A2, DE1927938 A1,

Forward Citations: WO15200272, WO15125051, WO15125050, WO14073764, WO13167542, WO13149884, WO13045549, WO13027167, WO12135584, WO12049264, WO11039301, WO11039292, WO10146091, WO10091898, WO10091823, WO10078138, WO09050648, WO09050648, WO08134229, WO08104999, WO07097953, WO07081536, WO07067462, WO06127245, WO06127231, WO06127222, WO06127219, WO06012250, WO05052024, WO05019300, WO05019300, WO04067621, WO03082949, WO03047857, WO0248263, WO0248263, WO0238648, WO02055570, USRE40508, USD691289, USD621068, USD486270, US9567445, US9538762, US9447234, US9400091, US9348065, US9337447, US9314938, US9260561, US9034949, US9011998, US9006348, US8945694, US8945688, US8691340, US8617695, US8592523, US8557158, US8481630, US8481624, US8318851, US8268106, US8263691, US8241714, US8182903, US8157942, US8084550, US8057903, US7838602, US7837912, US7837911, US7829632, US7799855, US7790292, US7728056, US7709581, US7700696, US7691950, US7691470, US7691304, US7687583, US7686998, US7686997,

US7652107, US7638091, US7605221, US7557174, US7550057, US7524919, US7514523, US7514147, US7452944, US7439289, US7401843, US7365125, US7365113, US7341784, US7326764, US7323536, US7323535, US7303810, US7279515, US7273917, US7273650, US7270882, US7251079, US7250612, US7223804, US7214432, US7200132, US7189779, US7169859, US7169615, US7153576, US7135538, US7135538, US7119140, US7109274, US7109274, US7094364, US7078447, US7060217, US6972147, US6916528, US6861482, US6846902, US6812320, US6734278, US6689474, US6664366, US6627303, US6610409, US6607814, US6599966, US6572956, US6538065, US6514594, US6486294, US6350848, US2016362549, US2012287556, US2012171438, US2012052314, US2011226424, US2011159237, US2010130700, US2010009207, US2009266991, US2009197058, US2009186966, US2009099297, US2009043069, US2009005477, US2008269400, US2008269399, US2008269386, US2008265308, US2008227896, US2008119631, US2008119618, US2008119597, US2008119596, US2008118729, US2008091643, US2008081895, US2008081893, US2008081884, US2008004404, US2007293626, US2007231576, US2007197739, US2007197700, US2007191549, US2007173619, US2007155914, US2007155913, US2007129492, US2007129489, US2007122627, US2007116959, US2007100088, US2007069153, US2007066765, US2007066741, US2007066740, US2007066737, US2007065615, US2007060716, US2007037960, US2007027290, US2007027271, US2007027268, US2006287429, US2006264582, US2006264581, US2006264580, US2006264579, US2006160961, US2006142486, US2006116487, US2006093826, US2006074156, US2006063867, US2006063866, US2006063865, US2006036035, US2006030647, US2006020075, US2006004154, US2006004152, US2006002814, US2005288406, US2005266232, US2005260369, US2005241759, US2005228130, US2005175832, US2005159577, US2005159543, US2005159542, US2005148719, US2005144309, US2005113535, US2005112768, US2005110978, US2005109984, US2005109983, US2005101733, US2005070643, US2005049369, US2005048401, US2005035626, US2005003208, US2004175593, US2004166323, US2004053040, US2003176541, US2003139529, TWI388615, SG114576, KR101286439, KR101286404, JP4130569, JP2014515878, JP2012514080, JP2009522427, JP2009508994, JP2009291167, JP2008504401, JP2007502343, JP2006052274, JP2005521765, JP2004500442, JP2003119262, JP2002069281, FR2830866, EP3132911, EP2757132, EP2703092, EP2592209, EP2216353, EP2216352, EP2157134, EP2157133, EP2133203, EP1969059, EP1820193, EP1734076, EP1490420, EP1349885, EP1349882, EP1302479, EP1300431, DE102009025123, CN106068294, CN104650566, CN104220526, CN102898630, CN102898630,

Abstract:
Source: US2001016626A Block copolyestercarbonates may be prepared by first conducting a reaction between at least one of resorcinol or an alkyl− or haloresorcinol and at least one aromatic dicarboxylic acid dichloride, preferably isophthaloyl dichloride, terephthaloyl dichloride or a mixture thereof, to produce a hydroxy−terminated polyester intermediate, and then conducting a reaction of the intermediate with a carbonate precursor, preferably in the presence of a dihydroxy compound such as bisphenol A. The products have excellent physical properties, including a high degree of weatherability. They may be blended with other polymers such as polycarbonates, poly(alkylene dicarboxylates), polyarylates, polyetherimides, and addition polymers to improve the weatherability thereof.

0) US2001024042A – STRADDLE TYPE FOUR–WHEELED ALL–TERRAIN VEHICLE ...

57) Family number: 28103916 (US2001024042A) © PatBase

Title: Straddle type four–wheeled all–terrain vehicle and front guard for the same

Priority: JP20000078348 20000321 JP20000120524 20000421

Family:

Publication number	Publication date	Application number	Application date
JP2001260775 A2	20010926	JP20000078348	20000321
JP2001301676 A2	20011031	JP20000120524	20000421
JP3504580 B2	20040308	JP20000120524	20000421
JP3506998 B2	20040315	JP20000078348	20000321
US2001024042 AA	20010927	US20010810533	20010319
US6460907 BB	20021008	US20010810533	20010319

Probable Assignee: KAWASAKI JUKOGYO KK

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK ; KAWA KI JUKOGYO K USHIKI KAISHA ABSA

Inventor(s):(std)**:** USUI TAKESHI

International class (IPC 8–9)**:** B60D1/14 B60P1/00 B60R19/52 B62J23/00 B62J27/00 B62J99/00 B62K5/00 (Advanced/Invention); B60D1/00 B60P1/00 B60R19/00 B62J23/00 B62J99/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60D1/14 B60P1/00 B60R19/52 B62J23/00 B62J39/00 B62K5/00

CPC: B62J27/00 B62K5/01

European class: B62J27/00 B62K5/01

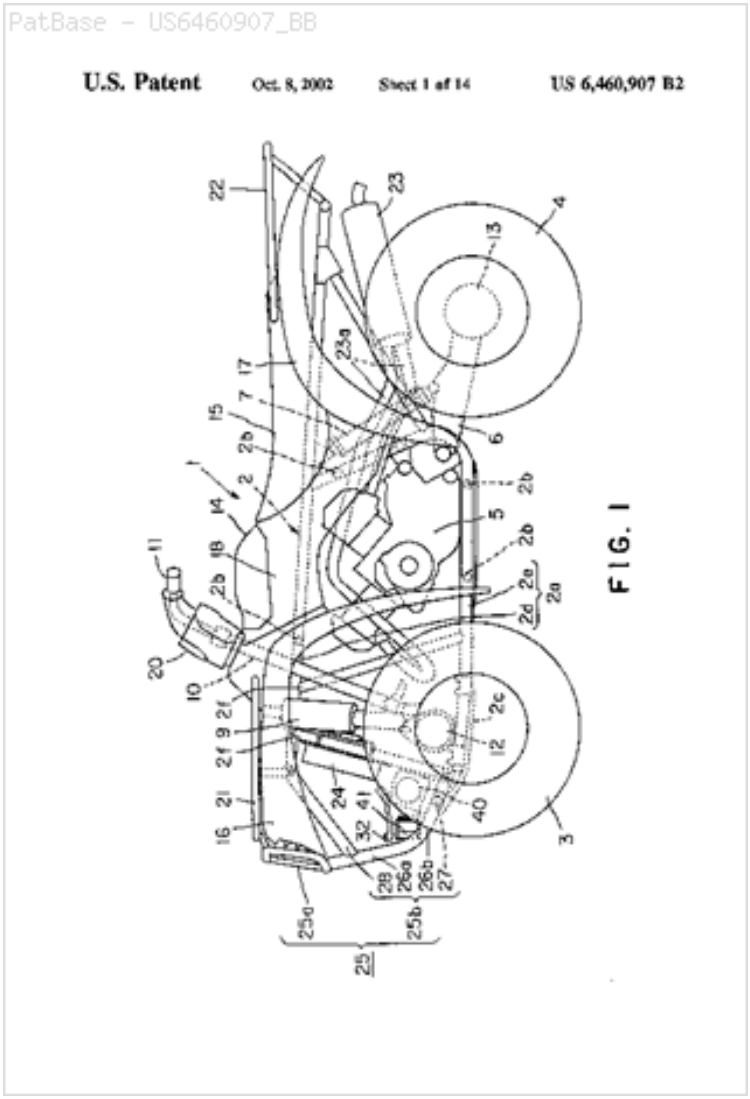
US class: 293/102 293/115 293/115P 293/117 296/205

Classification Explorer

Cited documents: US6186283 BA, US6104099 A, US6029750 A, US5954364 A, US5794976 A, US5707072 A, US5695228 A, US5663541 A, US5620217 A, US5522582 A, US5490574 A, US5094313 A, US4800986 A, US4687069 A, US4667765 A, US4535869 A, US4215496 A, JP5058365, JP5008365 A2, JP3014780 A2,

Forward Citations: WO15110756, USD777618, USD557179, USD535593, US8939478, US8752883, US8402878, US7758392, US7513545, US7410019, US7367573, US7350854, US7344120, US7325848, US7258394, US7246832, US6925735, US6685244, US6672568, US6447032, US2013093210, US2012068483, US2011169240, US2011168473, US2011079978, US2010263956, US2009321169, US2009309082, US2008139060, US2008067825, US2007256882, US2007104560, US2007080548, US2006289844, US2006289215, US2006279109, US2006278462, US2006181088, US2005217912, JP5837014, JP4684682, JP4593446, JP2015067022, JP2010202192, JP2007137277, JP2006256579, JP2006232061, JP2006096110, JP2006062440, FR3016873, EP1949938, EP1852342, EP1371599, AU2009202001, AU2003257920,

Abstract:
Source: US2001024042A A straddle type four−wheeled all−terrain vehicle includes: a body frame having a front end part; a front guard joined to the front end part of the body frame; and a winch unit including an electric winch and a guide roller mechanism for guiding a tow rope. The electric winch and the guide roller mechanism are arranged longitudinally from a rear toward a front in that order in a lower part of a space in the front guard.



0) US5293950A – OFF–HIGHWAY MOTOR VEHICLE FOR PARAPLEGIC HANDIC...

58) Family number: 3472891 (US5293950A) © PatBase

Title: OFF–HIGHWAY MOTOR VEHICLE FOR PARAPLEGIC HANDICAPPED PERSONS

Priority: CA19922059404 19920115 FR19910000713 19910117

Family:

Publication number	Publication date	Application number	Application date
CA2059404 AA	19920718	CA19922059404	19920115
CA2059404 C	20030617	CA19922059404	19920115
DE69210055 D1	19960530	DE19926010055	19920115
DE69210055 T2	19961107	DE19926010055T	19920115
EP0495713 A1	19920722	EP19920400101	19920115
EP0495713 B1	19960424	EP19920400101	19920115
ES2088553 T3	19960816	ES19920400101T	19920115
FR2671720 A1	19920724	FR19910000713	19910117
FR2671720 B1	19930409	FR19910000713	19910117
US5293950 A	19940315	US19920819779	19920113

Probable Assignee: MARLIAC PATRICK

Assignee(s):(std)**:** MARLIAC PATRICK

Assignee(s): MARLIAC PATRICK LACAPELLE BIRON FR

Inventor(s):(std)**:** MARLIAC PATRICK ; PATRICK MARLIAC

Inventor(s): MARLIAC PATRICK LACAPELLE BIRON FR

Agent(s): GOUDREAU GAGE DUBUC

Designated states: BE CH DE ES GB IT LI NL

International class (IPC 8–9): A61G3/06 A61G5/04 B60P3/00 B60P3/07 (Advanced/Invention)

International class (IPC 1–7): A61G3/02 A61G5/04 B60P3/00 B60P3/07 B62D11/00

CPC: Y10S180/907 Y10S414/134 A61G5/046 A61G3/0808 A61G2220/145 A61G3/062 A61G5/1051

European class: A61G3/06 A61G3/08A A61G5/04A8 K61G220/14A K61G5/10G

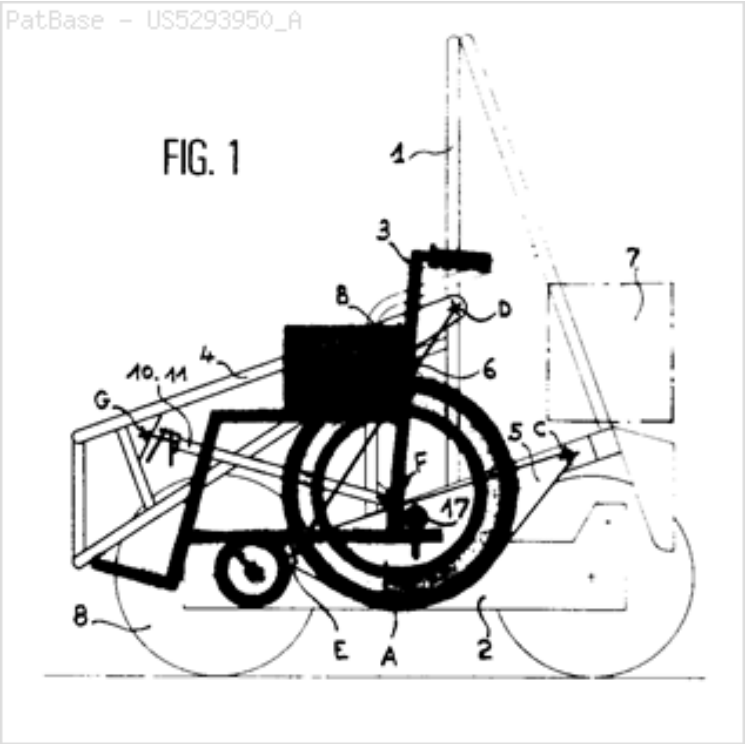
US class: 180/11 180/241 180/907 414/476 414/921

Classification Explorer

Cited documents: US938786 A, US5094314 A, US4401178 A, US3921740 A, US3204791 A, FR2315254 A1, EP0251136 A1, DE3414204 A1,

Forward Citations: WO9914105, WO13095501, US8757308, US8756726, US8474073, US8397846, US8267206, US8260517, US8240410, US8056162, US8051931, US8016301, US7953537, US7886377, US7882582, US7828092, US7789187, US7703789, US7644458, US7530412, US7407024, US7273115, US7195253, US7090041, US7083012, US7018157, US7014000, US7011172, US6993799, US6902019, US6877572, US6834402, US6772460, US6766871, US6749034, US6640920, US6604590, US6588523, US6547026, US6505359, US6419036, US6330926, US6325168, US6286165, US2011231075, US2011126354, US2011083274, US2011083270, US2010307850, US2010059303, US2009218150, US2009188731, US2008223649, US2008141459, US2008101903, US2008086815, US2008035396, US2008025829, US2007237616, US2007158921, US2007113342, US2006108158, US2006072996, US2005236193, US2005199430, US2005072610, US2004194210, US2004163175, US2004159473, US2004093668, FR2926458, FR2872029, ES2572734,

Abstract:
Source: US5293950A The invention concerns an off–highway motor vehicle for paraplegic handicapped persons. It comprises a frame (1) whose base (1') has a U shape open towards the front, the paraplegic sitting on his wheelchair (3) being installed between the branches of the frame. The branches of the U are extended by two box plate girders (2) rotary–joined onto the frame and each including two wheels (8). The vehicle comprises a tubular frame (4) cooperating with two shoes (5) for embarking, disembarking, and storing away the wheelchair. The frame and shoes are rotary–joined (B,C) to the frame and interconnected by a rocker bar (6). A kinematic chain transmits the movement of the drive train (7) to four driving wheels (8). The controls of the drive train and of the vehicle are provided on the frame (4).



0) US2002038737A – FOOT BOARD ARRANGEMENT FOR ALL–TERRAIN VEHICLE ...

59) Family number: 30964307 (US2002038737A) © PatBase

Title: FOOT BOARD ARRANGEMENT FOR ALL–TERRAIN VEHICLE

Priority: JP19970170038 19970626 US19990268946 19990316

Family:

Publication number	Publication date	Application number	Application date
JP11011371 A2	19990119	JP19970170038	19970626
US2002038737 AA	20020404	US19990268946	19990316

Probable Assignee: YAMAHA HATSUDOKI KK

Assignee(s):(std)**:** YAMAHA MOTOR CO LTD ; YOSHIHIRO MORISHITA

Assignee(s): YOSHIHIRO MORISHITA ET AL ; MASS PRODUCTION INC ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std)**:** SUZUKI TAKASHI ; MORISHITA YOSHIHIRO

International class (IPC 8–9): B60T7/06 B62J15/00 B62J25/00 B62K5/00 (Advanced/Invention); B60T7/04 B62J15/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B60K1/00 B60N2/00 B62J15/00 B62J25/00 B62K5/00

CPC: B60T7/06 B60Y2200/20 B62J7/04 B62J25/00 B62K5/01

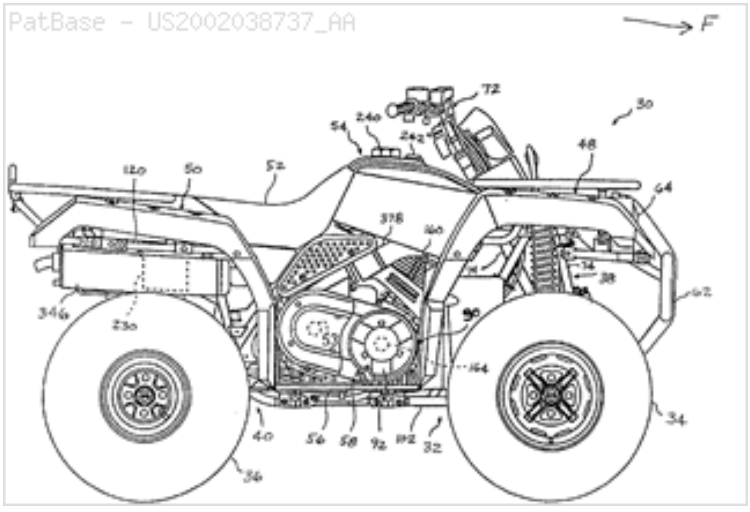
European class: B60T7/06 B62J25/00 B62J7/04 B62K5/01 L60Y200/20

US class: 180/291 180/90.6 180/90.600S 280/291 280/291S 280/760 280/760S 296/198 296/198S

Classification Explorer

Forward Citations: WO14160119, USRE43662, US9061718, US7950490, US7665770, US7665385, US7581784, US7562736, US7441619, US7097207, US7097207, US7070019, US6966399, US6959934, US6938714, US6682085, US6502863, US6478103, US6390218, US2015083515, US2007114814, US2007051553, US2006273572, US2005173918, US2005061572, US2004040958, US2003213628, US2003089166, US2003061897, US2003051937, TWI298683, JP2012076523,

Abstract:
Source: US2002038737A An all–terrain vehicle has a removable foot board arrangement. The foot boards are removably mounted to a mounting fixtures. The mounting fixtures are removably mounted to a set of corresponding mounting brackets. The mounting brackets are secured to the frame of the all–terrain vehicle. The foot boards extend outward beyond an outermost portion of the rims of the front wheels and serve as side guards.



0) US6454039B – ATV TRANSMISSION CONTROL LAYOUT

60) Family number: 13865169 (US6454039B) © PatBase

Title: ATV transmission control layout

Priority: JP19990120676 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313384 A2	20001114	JP19990120676	19990427
US6454039 BA	20020924	US20000561403	20000427

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** MATSUURA TATSUYA

International class (IPC 8–9)**:** B62J15/00 B62K5/00 B62M25/04 B62M7/02 (Advanced/Invention); B62J15/00 B62K5/00 B62M25/00 B62M7/00 (Core/Invention)

International class (IPC 1–7)**:** B60K23/00 B62K5/00

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01 B62M7/02

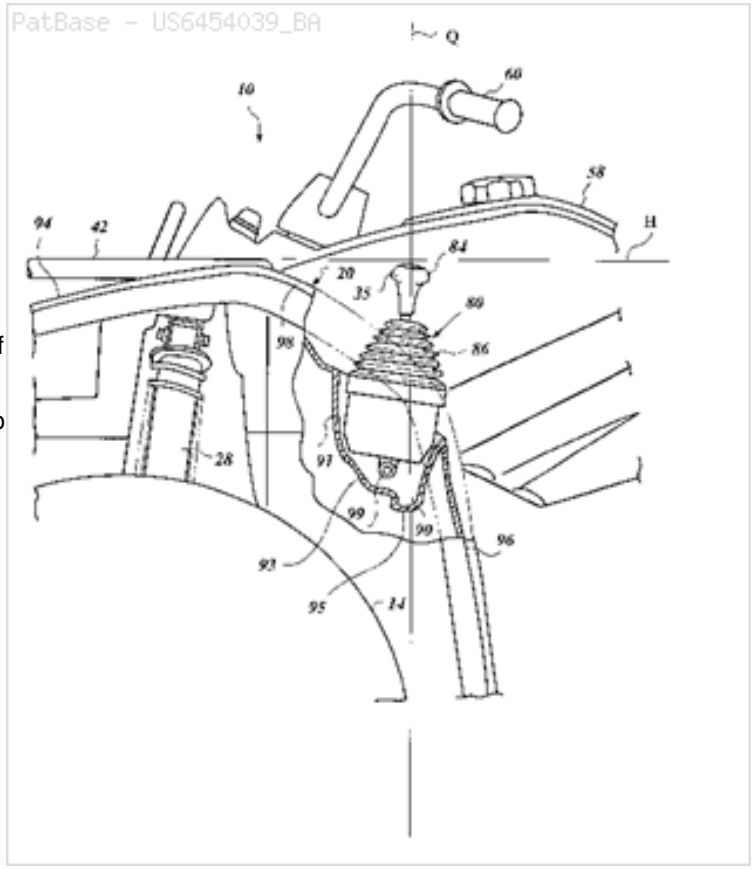
US class: 180/311 180/312 180/336

Classification Explorer

Cited documents: US6186263 BA, US5791431 A, US5699872 A, US4757872 A, US4736809 A, US4735105 A, US4620453 A, JP404283186, JP40428318 A2, JP401190591, JP40119059 A2,

Forward Citations: USD592557, USD592556, US9266580, US8783720, US8622428, US8191930, US8191929, US8191677, US8061465, US7954853, US7942447, US7658411, US7644791, US7537499, US7357418, US2011198831, US2011198830, US2010194088, US2010108428, US2009277708, US2007257516, US2007257479, US2006197331, US2006192375, US2006186699, US2004178619, JP4327571, JP2005153687,

Abstract:
Source: US6454039B A gear shift arrangement for an all terrain vehicle is provided. The all terrain vehicle comprises a frame defining an engine compartment. The frame is supported by two or more front wheels and two or more rear wheels. An engine is mounted in the engine compartment and is drivingly coupled to one or more of the wheels through a suitable drive train. A fender assembly is disposed above the front wheels and has a recess formed therein. A gear shift actuator is at least partially disposed in the recess. The recess can be disposed inboard of an inner surface of the front wheels and rearward of the rearmost surface of the front wheels. The actuator is sized and positioned to lie generally below an upper plane defined through either a front fender assembly, a carrying rack mounted to the front assembly, or both.



0) US6164673A – SUSPENSION CONTROL FOR ALL TERRAIN VEHICLE

61) Family number: 14935926 (US6164673A) © PatBase

Title: Suspension control for all terrain vehicle

Priority: US19990338299 19990622

Family:

Publication number	Publication date	Application number	Application date
US6164673 A	20001226	US19990338299	19990622

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** MATSUURA TATSUYA

International class (IPC 8–9)**:** B60G11/14 B60G17/02 (Advanced/Invention); B60G11/00 B60G17/02 (Core/Invention)

International class (IPC 1–7)**:** B60G17/00

CPC: B60G11/14 B60G17/021 B60G2202/12 B60G2202/43

European class: B60G11/14 B60G17/02C L60G202/12 L60G202/43

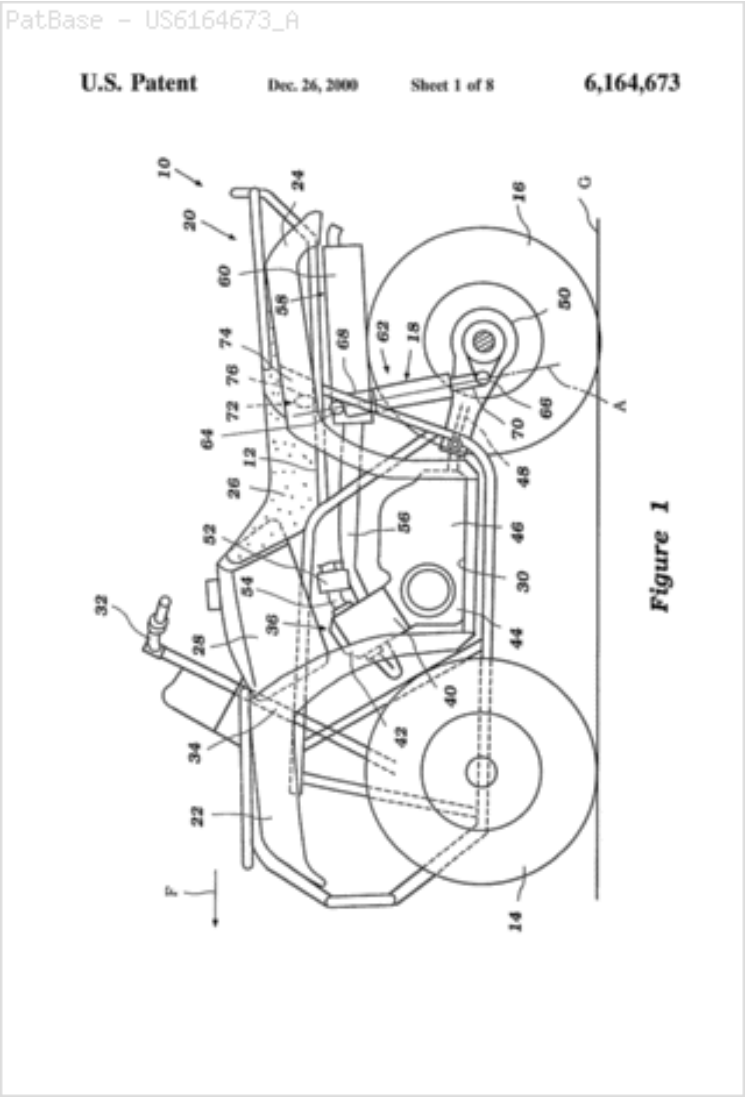
US class: 280/124.101 280/124.102

Classification Explorer

Cited documents: US4997201 A, US4666015 A, US3411806 A, US3049359 A, US1641472 A,

Forward Citations: WO09143922, WO09067818, USD592557, USD592556, USD475001, US9050869, US7942224, US7810600, US6722638, US2010244405, US2007251744, US2003164558, FR2840257,

Abstract:
Source: US6164673A An all terrain vehicle has an adjustable suspension system. The adjustable suspension system features a first spring and a second spring. An intermediate member is positioned between the two springs and may travel in an axial direction along with at least a portion of one of the springs. A travel limiting member, movable by a cam and follower system, is positioned relative to the intermediate member such that the travel limiting surface may stop the movement of the intermediate member thereby disabling at least one of the first and second springs. The cam and follower mechanism is operated via a shifting lever positioned within a recess proximate a seat of the all terrain vehicle and in a location protected from the undercarriage of the all terrain vehicle.



0) US2003066696A – COOLING SYSTEM FOR A TRANSMISSION MECHANISM

62) Family number: 28464147 (US2003066696A) © PatBase

Title: COOLING SYSTEM FOR A TRANSMISSION MECHANISM

Priority: JP20010280033 20010914

Family:

Publication number	Publication date	Application number	Application date
JP2003090417 A2	20030328	JP20010280033	20010914
JP4010127 B2	20071121	JP20010280033	20010914
US2003066696 AA	20030410	US20020242728	20020913
US6820708 BB	20041123	US20020242728	20020913

Probable Assignee: SUZUKI MOTOR CORP

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

Assignee(s): SUZUKI MOTOR CORP ; NAKAMURA EIICHI ; SUZUKI KK

Inventor(s):(std)**:** NAKAMURA EIICHI

International class (IPC 8–9)**:** B62J99/00 B62K5/00 F16H57/04 (Advanced/Invention); F16H57/05 (Advanced/Non–invention); B62J99/00 B62K5/00 F16H57/04 (Core/Invention); F16H57/05 (Core/Non–invention)

International class (IPC 1–7)**:** B60K11/00 B62J39/00 B62K5/00 F16H57/04

CPC: B60Y2200/124 B62K5/01 F16H57/0415 F16H57/0489

European class: B60K11/06 B62K5/01 F16H57/04J4 F16H57/04Z4B L60Y200/124

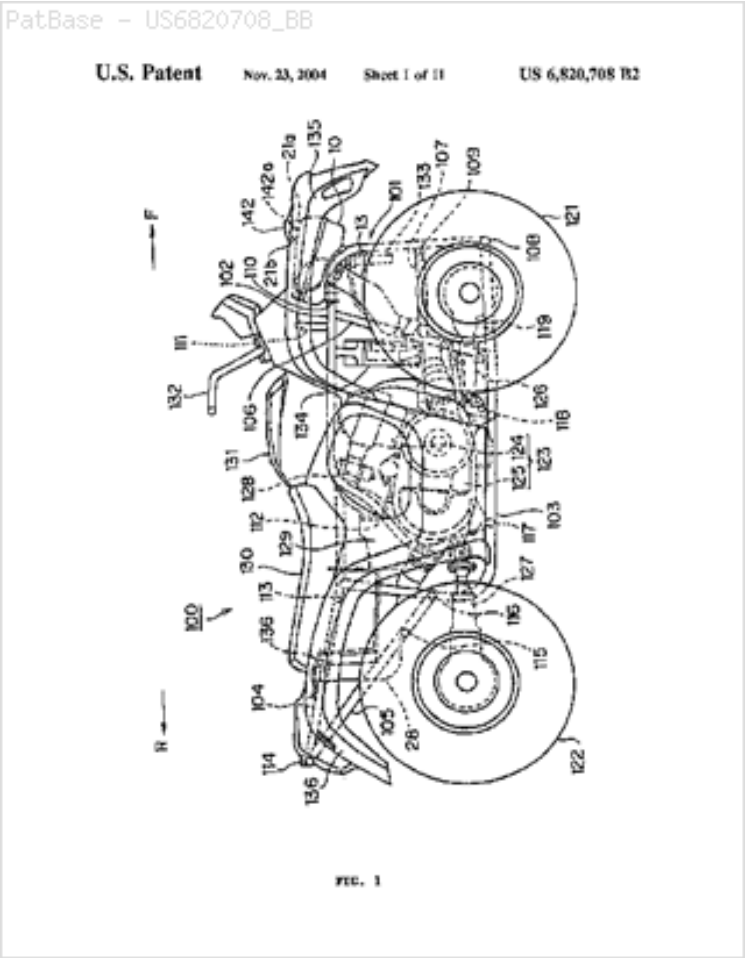
US class: 180/296 180/309 180/68.1 180/68.100P 180/68.2

Classification Explorer

Cited documents: US6622806 BA, US6591935 BA, US6571904 BB, US6533060 BA, US6508329 BB, US6454040 BA, US5783781 A, US5738781 A, US5708238 A, US5692578 A, US5152255 A, US5012883 A, US4848294 A, US4744432 A, US4697665 A, US4678054 A, US4637486 A, US4597466 A, US4573550 A, JP11011171 A2, JP10110813 A2,

Forward Citations: US9551268, US9534682, US9511761, US9365251, US9321494, US9217501, US9211924, US9009993, US8911312, US8834307, US8827028, US8827020, US8827019, US8746719, US8613336, US8613335, US8596406, US8596405, US8556015, US8392047, US8382125, US8381855, US8347993, US8157038, US8104374, US8074756, US8042869, US7882911, US7743867, US7665566, US7647995, US7618063, US7562739, US7546892, US7475748, US7377549, US7231996, US7059438, US7059438, US6959934, US6938676, US6823956, US2014113766, US2014082975, US2013309955, US2013153312, US2013090199, US2013090198, US2011094811, US2011048828, US2009309082, US2009178871, US2009050391, US2008300746, US2008289892, US2008264707, US2008121455, US2008053730, US2008023240, US2007289561, US2007215404, US2007023220, US2007023214, US2006207823, US2006011401, US2005221928, US2005178603, US2005167179, US2005133194, US2004188156, US2004140140, US2003213628, US2003029664, TWI488759, JP4887349, JP4526828, JP2012051505, JP2010126057, JP2008087697, JP2006027425, JP2005219668, EP2123942, EP1927792, EP1835203, EP1564123, EP1559594, CN103032535, AU2006346500, AU2004200511,

Abstract:
Source: US2003066696A A cooling system for an engine transmission in a saddle type vehicle such as an all−terrain−vehicle. In one embodiment, the cooling system has an induction duct, connected to a belt case that houses a transmission, for inducting cooling air into the belt case. The system further includes a discharge duct connected to the belt case for exhausting the cooling air from the belt case, the discharge duct extending towards a rear fender of the vehicle. In addition, the system has an air exhaust aperture through which the cooling−air exits the discharge duct, the exhaust aperture located at an end of the discharge duct, the discharge duct generally forming an inverted "U" shape as viewed from a rear end of the vehicle, and the air exhaust aperture positioned so that the cooling air exiting the discharge duct does not directly strike the rear fender of the vehicle. The cooling system further has an induction box having a cooling−air induction port that allows the entrance of cooling−air into the induction box, the induction box being generally positioned in the transverse center of the vehicle, and the induction port being opened at a position near the bottom of a front fender of the vehicle.



0) US4406474A – VEHICLE FENDER ATTACHMENT AND SUPPORT STRUCTURE...

63) Family number: 3856017 (US4406474A) © PatBase

Title: Vehicle fender attachment and support structure

Priority: US19810264339 19810518

Family:

Publication number	Publication date	Application number	Application date
US4406474 A	19830927	US19810264339	19810518

Probable Assignee: DEMPSTER SYSTEMS INC A CORP OF OH

Assignee(s):(std)**:** DEMPSTER SYSTEMS INC

Assignee(s): DEMPSTER SYSTEMS INC A CORP OF OH ; SANWA BUSINESS CREDIT A DE CORP ; SANWA BUSINESS CREDIT CORP

Inventor(s):(std)**:** SCHARF HEINO W

International class (IPC 8–9): B62D25/16 F16B43/02 (Advanced/Invention); B62D25/16 F16B43/00 (Core/Invention)

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

CPC: B62D25/168 F16B43/02

European class: B62D25/16D F16B43/02

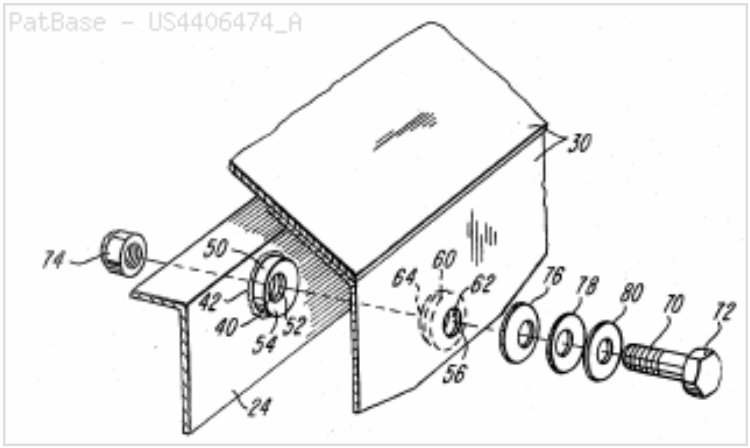
US class: 280/154 280/154.5R 280/851 411/538

Classification Explorer

Cited documents: US4268053 A, US3876229 A, US3506282 A, US3220289 A, US2679403 A, US1380347 A, GB327459 A,

Forward Citations: US9618031, US9377038, US8894537, US7810829, US7334956, US7185920, US7073804, US6648373, US6592147, US6354625, US6152469, US4817976, US4735428, US4706980, US2015300401, US2015097365, US2012299284, US2010059981, US2009134614, US2007216128, US2005284041, US2005167972, US2005093288, US2004258460, US2004164540, US2004004351, DE3740401, DE19542109, DE19542109, DE102005014217, CN103863415, CN103625442, CN102537301, CN102537301,

Abstract:
Source: US4406474A Structure for attachment and support of a fender of a vehicle such as a truck or the like in which the vehicle is subject to travel over rough or uneven terrain. An attachment member extends freely through a bracket which is joined to the frame of the vehicle. The attachment member also extends freely through a portion of the fender which is adjacent the bracket. Thrust washers having convex and concave engagement surfaces freely encompass the attachment member and are positioned between the fender and the bracket and are attached thereto. Thus, relative movement between the fender and the bracket is permitted to prevent distortion or twisting of the fender as the vehicle travels over rough terrain.



0) US3403797A – FLEXIBLE SHUTTLE CAR

64) Family number: 913765 (US3403797A) © PatBase

Title: Flexible shuttle car

Priority: AU19710030009 19710615 US19680739986 19680430

Family:

Publication number	Publication date	Application number	Application date
AU197130009 A1	19721221	AU19710030009	19710615
AU207130009 A1	19721221	AU19710030009	19710615
AU457540 B2	19750115	AU19710030009	19710615
US3403797 A	19681001	US19650494783	19651011
US3516508 A	19700623	US19680739986	19680430

Probable Assignee: CONSOLIDATION COAL CO

Assignee(s):(std)**:** CONSOLIDATION COAL CO

Assignee(s): CONSOLIDATION COAL COMPANY

Inventor(s):(std)**:** COVAL ARTHUR B ; LEE ARTHUR L

Inventor(s): ARTHUR B COVAL ; ARTHUR L LEE ; ARTHUR L LEE AND ARTHUR B COVAL

International class (IPC 8–9)**:** B60G9/00 B62D21/18 E21F13/02 (Advanced/Invention); B60G9/00 B62D21/18 E21F13/00 (Core/Invention)

International class (IPC 1–7)**:** B60B35/00 B60P1/04 B62D21/10 B62D55/16

CPC: B62D21/186 E21F13/025 B60G9/00 B62D21/18

European class: B60G9/00 B62D21/18 B62D21/18C E21F13/02D

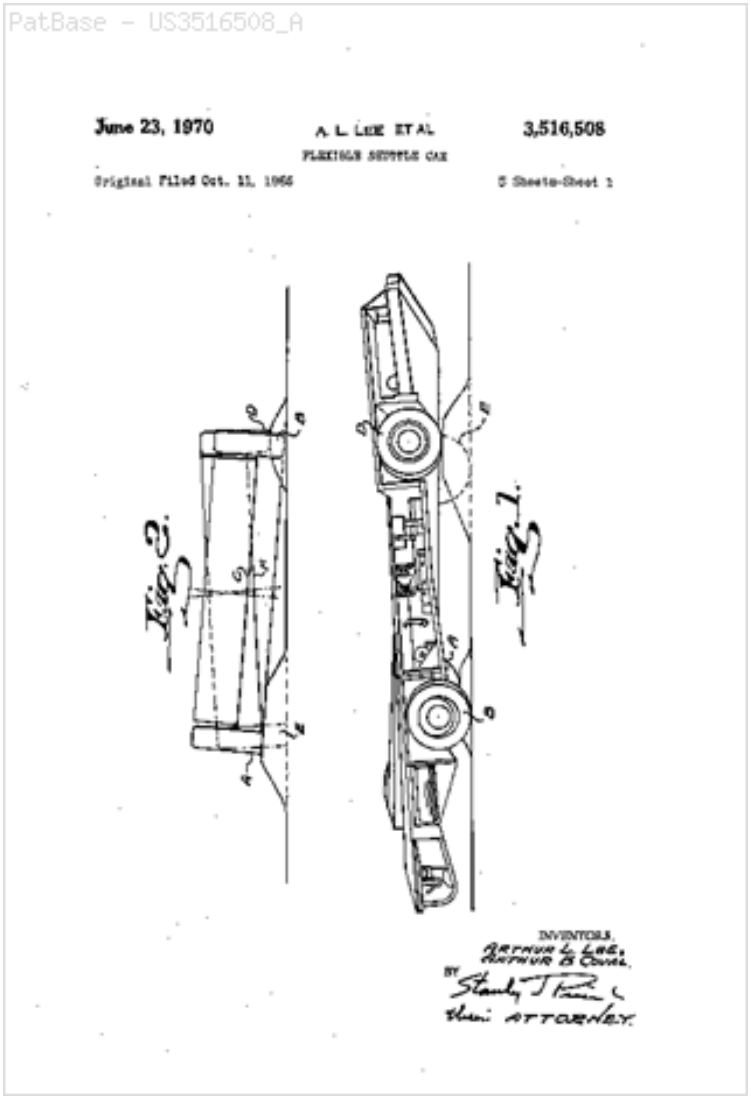
US class: 105/364 180/234 180/85 280/781 280/80.1 301/125 414/528

Classification Explorer

Cited documents: US95726 A, US630054 A, US609925 A, US400817 A, US3185325 A, US3185324 A, US3154163 A, US2325731 A, US2113403 A, US162729 A,

Forward Citations: US5301787, US3976302, US3874698, US3865206, US3827721, US3827720, US3777832, US3776326, FR2430344,

Abstract:
Source: US3403797A ABSTRACT OF THE DISCLOSURE A haulage vehicle having a flexible body mounted on a pair of relatively rigid axle assemblies. The flexible body has a pair of vertical side plates forming the side walls of an elongated trough shaped material haulage compartment. A deck plate is supported by the flexible side plates and forms a bottom wall for the haulage compartment. The relatively rigid axle assemblies are connected to the side plates adjacent the end portions of the side plates so that the side plates remain free to flex when the haulage vehicle is subjected to torsional stresses. The axle assemblies have pairs of driven and steerable wheels mounted thereon for supporting the flexible hody and propelling the vehicle.



0) US2003029664A – DRIVE BELT COOLING SYSTEM FOR SMALL VEHICLE

65) Family number: 28063932 (US2003029664A) © PatBase

Title: DRIVE BELT COOLING SYSTEM FOR SMALL VEHICLE

Priority: JP20010243128 20010810

Family:

Publication number	Publication date	Application number	Application date
JP2003056679 A2	20030226	JP20010243128	20010810
US2003029664 AA	20030213	US20020217269	20020809
US6823956 BB	20041130	US20020217269	20020809

Probable Assignee: YAMAHA HATSUDOKI KK

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

Assignee(s): SHIMIZU KATSUHISA ; YAMAHA HATSUDOKI K USHIKI KAISHA AB ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std): SHIMIZU KATSUHISA

International class (IPC 8–9): B60K17/08 F16H57/04 F16H9/00 (Advanced/Invention); B60K17/06 F16H57/04 F16H9/00 (Core/Invention)

International class (IPC 1–7): B60K11/06 B60K17/00 B60K17/08 F16H57/04 F16H9/00

CPC: Y10S180/908 F16H57/0489 F16H57/0415

European class: F16H57/04J4 F16H57/04Z4B

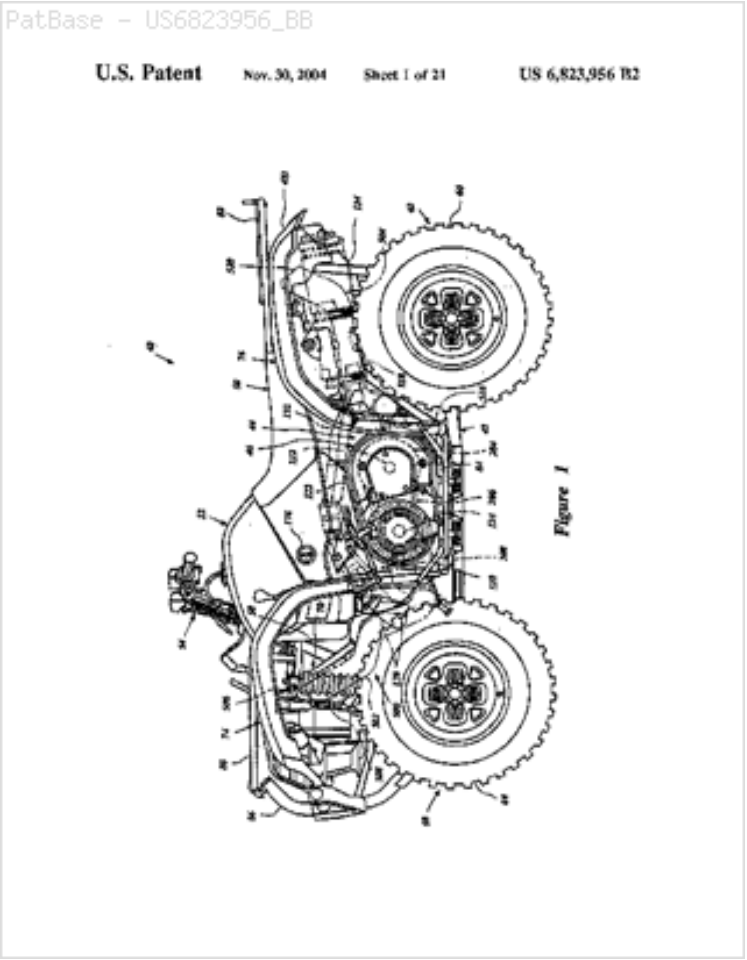
US class: 180/339 180/68.1 180/68.2 180/908

Classification Explorer

Cited documents: US6622806 BA, US6454040 BA, US6289866 BA, US6269899 BA, US6250415 BA, US6182784 BA, US6170597 BA, US6086492 A, US5976044 A, US5975624 A, US5692578 A, US4744432 A, US4697665 A, US4597466 A, US4483686 A, US2003066696 AA, JP11149622 A2, JP10110813 A2,

Forward Citations: USD592557, USD592556, US8439020, US8439019, US8104374, US8074756, US8042636, US8037958, US8002653, US7882912, US7690461, US7546892, US7475748, US7290533, US7168516, US7140462, US6959934, US6938676, US2011108349, US2008289892, US2008264707, US2008236918, US2008161142, US2007227793, US2006272872, US2006219221, US2006065231, US2006011401, US2005221928, US2005133194, US2004173394, US2003213628, JP5898152, JP2015051673, JP2006027425, CN103895505,

Abstract:
Source: US2003029664A A small vehicle has a frame assembly that is supported by rear wheels. An engine unit is supported by the frame assembly. The engine unit comprises a belt drive assembly. A cooling system delivers and removes cooling air to the belt drive assembly. A storage compartment is positioned below a seat. An exhaust chamber is formed to the rear of the storage compartment. Heated air from the cooling system is exhausted into the chamber prior to being exhausted to the atmosphere. The storage compartment provides a buffer air pocket to reduce the amount of heat transmitted to the seat from the exhaust chamber.



0) US2011162896A – MODE OF TRANSPORTATION TYPE HAVING INNER–MOTORI...

66) Family number: 49158162 (US2011162896A) © PatBase

Title: MODE OF TRANSPORTATION TYPE HAVING INNER–MOTORIZED OMNIWHEEL APPARATUS AND METHOD OF CONTROL

Priority: US20100655569 20100104 US20130858109 20130408 US20160054136 20160226

Family:

Publication number	Publication date	Application number	Application date
US2011162896 AA	20110707	US20100655569	20100104
US2013277128 AA	20131024	US20130858109	20130408
US2016264021 AA	20160915	US20160054136	20160226
US8430192 BB	20130430	US20100655569	20100104

Probable Assignee: GILLETT CARLA

Assignee(s):(std)**:** GILLETT CARLA ; GILLETT CARLA R

Inventor(s):(std)**:** GILLETT CARLA R ; GILLETT CARLA

International class (IPC 8–9)**:** B60K1/00 B60K26/00 B60K7/00 B60L8/00 B60N2/02 B60N2/14 B60W50/08 B62D61/00 G05D1/00 H04M1/725 (Advanced/Invention)

CPC: B60K1/04 B60K16/00 B60K17/30 B60K17/356 B60K37/06 B60K2001/0416 B60K2001/0444 B60K2007/0038 B60K2007/0092 B60K2016/006 B60K2350/921 B60L8/00 B60L8/003 B60L8/006 B60L11/1877 B60L2200/12 B60L2200/28 B60L2220/44 B60L2250/16 B60Y2200/12 B60Y2200/145 B60Y2200/148 B60Y2200/45 B60Y2200/81 B60Y2200/91 Y02T10/7005 Y02T10/705 Y02T10/7083 Y02T10/90 B60L2200/26 B60N2/0232 B60N2/14 G05D1/0088 B60W50/082 H04M1/72533 H04M1/7253 B60N2002/024 B60K7/0007

European class: B60K1/04 B60K16/00 B60K17/30 B60K17/356 B60K37/06 B60K7/00E B60L11/18M36 B60L8/00 B60L8/00B B60L8/00D L60K1/04A15 L60K1/04A3 L60K16/00B L60K350/92L L60K7/00R L60K7/00W L60L200/12 L60L200/26 L60L200/28 L60L220/44 L60L250/16 L60Y200/12 L60Y200/145 L60Y200/148 L60Y200/45 L60Y200/81 L60Y200/91 Y02T10/70B Y02T10/70H4 Y02T10/70J2B Y02T10/90

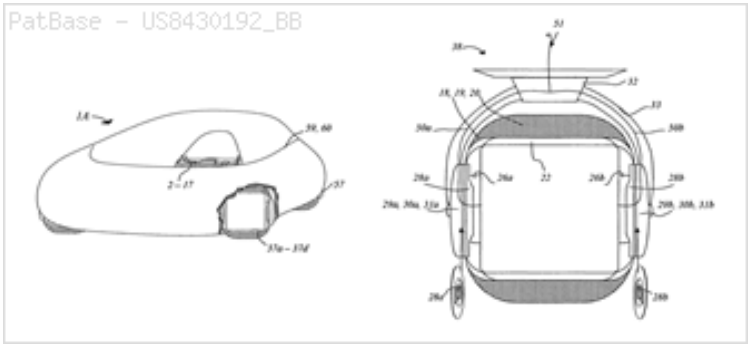
US class: 180/2.2 180/2.200P 180/21 180/21S 180/315 180/315S 180/408 180/65.51 701/23

Classification Explorer

Cited documents: US962308 A, US8280561 BB, US8269447 BB, US8108104 BB, US8073585 BB, US8025551 BB, US7980335 BB, US7934572 BB, US7789175 BB, US7748490 BB, US7460941 BB, US7426970 BB, US7204328 BB, US7137470 BB, US7056185 BA, US6367571 BA, US5690185 A, US5643041 A, US5533921 A, US5439408 A, US4599030 A, US4223753 A, US3789947 A, US3016967 A, US2012006602 AA, US2010147609 AA, US2008066979 AA, US2004112656 AA, US2004079560 AA, US2002175009 AA,

Forward Citations: US9534906, US9481410, US9457730, US9429940, US9342073, US9314929, US9314928, US9228563, US9211920, US9193404, US9097538, US9090214, US8775001, US2016159251, US2015260154, US2015179071, US2013218380, US2012293109, US2012222536, US2010242672, US2008277391, DE102014207033,

Abstract:
Source: US2011162896A A mode of transpiration type employing a plurality of inner–motorized omniwheel apparatus comprising at least one electric motor or an ignited fueled motor, and supported by a zero degree rotating motorized yoke having hydraulic actuation, and managed by control system modes that enables a said vehicle type to transport an operator, a passenger and cargo in any given manner, and powered by a battery array that is charged by an electrical grid source, and by a renewable energy power system.



0) US2013078877A – MULTI–PURPOSE AMPHIBIOUS VEHICLE

67) Family number: 53293798 (US2013078877A) © PatBase

Title: MULTI–PURPOSE AMPHIBIOUS VEHICLE

Priority: KR20110098206 20110928

Family:

Publication number	Publication date	Application number	Application date
KR20130034280 A	20130405	KR20110098206	20110928
US2013078877 AA	20130328	US20120631835	20120928

Probable Assignee: LEE JONG SOO

Assignee(s):(std)**:** LEE JONG SOO

Inventor(s):(std)**:** LEE JONG SOO

International class (IPC 8–9): B60F3/00 (Advanced/Invention)

CPC: B60F3/0015 B60F3/0038

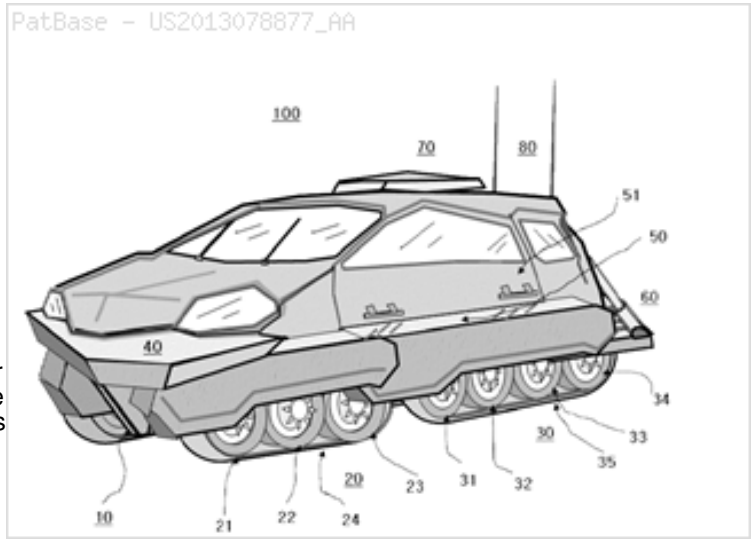
US class: 440/12.63

Classification Explorer

Cited documents: US8002596 BB, US7670200 BB, US6921304 BB, US6626712 BA, US3976025 A, US3487802 A, US3385255 A, US3180305 A, US1749276 A,

Forward Citations: US9193235, US2014302731, KR101703873, FR3036324,

Abstract:
Source: US2013078877A When the multi–purpose amphibious vehicle moves on surfaces of any type of terrain, it runs on a rolling track by rolling friction faster than a critical speed. The multi–purpose vehicle can run very smoothly and economically with a single engine, can provide multi–terrain capability with no hesitation between surfaces of different types of terrains, and can go as fast on the surfaces of water, snow and ice as it can run on the surface of land. Journey between islands, use for arctic expeditions, higher speed entry along inland rivers, and on the other hand, operation on areas of marsh or swamp using lower ground pressure tracks are all possible with this multi–purpose amphibious vehicle.



0) US2006049541A – ARTICLES COMPRISING A FIBER–REINFORCED THERMOPL...

68) Family number: 30513226 (US2006049541A) © PatBase

Title: ARTICLES COMPRISING A FIBER–REINFORCED THERMOPLASTIC POLYMER COMPOSITION

Priority: US20020418937P 20021015 US20030527567 20030926 US20050527567 20050311 WO2003US30267 20030926

Family:

Publication number	Publication date	Application number	Application date
AU2003275261 AA	20040504	AU20030275261	20030926
CA2499839 AA	20050318	CA20032499839	20030926
CN1688428 A	20051026	CN20038024311	20030926
EP1554103 A1	20050720	EP20030759534	20030926
JP2006502888 T2	20060126	JP20040544770T	20030926
KR20050055015 A	20050610	KR20057006419	20050414
MXPA05003998 A1	20050622	MX2005PA03998	20030926
US2006049541 AA	20060309	US20030527567	20030926
US7691305 BB	20100406	US20030527567	20030926
WO04035295 A1	20040429	WO2003US30267	20030926

Probable Assignee: DOW GLOBAL TECHNOLOGIES INC

Assignee(s):(std)**:** DOW GLOBAL TECHNOLOGIES INC ; RICHARDSON JOANNA G ; SUTTON TONJA R

Inventor(s):(std)**:** JOANNA G RICHARDSON ; RICHARDSON JOANNA G ; SUTTON TONJA R

Inventor(s): TONJA R SUTTON ; SUTTON TONJA ; RICHARDSON JOANNA

Agent(s): SMART AND BIGGAR; THE DOW CHEMICAL COMPANY; DOW CHEMICAL CO

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 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 YU ZA ZM ZW

International class (IPC 8–9): B29B11/04 B29C31/04 B29C45/54 B29C47/00 B29C47/10 B29C47/50 B29C47/60 B29C70/06 (Advanced/Invention); B29C31/04 B29C47/00 B29C47/50 B29C70/06 B29K21/00 (Advanced/Non–invention)

International class (IPC 1–7): B29C31/04 B29C45/54 B29C47/00 B29C47/10 B29C47/50 B29C70/06

CPC: B29K2105/16 C08J5/04 B29C45/0005 B29C45/54 B29C47/0004 B29C47/003 B29C47/004 B29C47/0054 B29C47/0066 B29C47/02 B29C47/1045 B29C47/1063 B29C49/0005 B29C49/02 B29C49/04 B29C49/20 B29C51/00 B29C51/002 B29C51/02 B29C51/082 B29C51/10 B29C51/12 B29C2049/4608 B29C2049/4626 B29C2791/006 B29C2793/0027 B29K2105/0005 B29K2105/06 B29K2105/08 B29K2105/12 B29K2267/00 B29K2277/00 B29K2277/10 B29K2305/00 B29K2307/00 B29K2309/08 B29L2031/3005 B29L2031/3008 C08J3/201 C08J3/226 C08J5/043 C08J2323/10 C08J2423/00 B29C47/385

European class: B29C45/00D B29C47/00B B29C47/00L12 B29C47/10J4 B29C47/10L B29C49/20 B29C51/00B B29C51/12 B29C69/00B2 C08J3/20E C08J3/22L C08J5/04 C08J5/04G L29C45/54 L29C47/00J9 L29C47/00L4 L29C47/00L7 L29C47/02 L29C49/00B L29C49/02 L29C49/04 L29C49/20 L29C49/46B1A L29C49/46B5 L29C51/00 L29C51/00B L29C51/02 L29C51/08B L29C51/10 L29C51/12 L29C791/00E4 L29C793/00C L29K105/00E L29K105/06 L29K105/08 L29K105/12 L29K267/00 L29K277/00 L29K277/10 L29K305/00 L29K307/00 L29K309/08 L29L31/30B L29L31/30B2 M08J323/10 M08J423/00

US class: 264/148 264/148P 264/210.2 264/210.200S 264/211 264/211.12 264/211.120S 264/211.23 264/211.230S 264/320 264/320S 264/328.19 264/328.190S 264/523 264/523S

Classification Explorer

Cited documents:

WO9964241 A1, WO9007526 A1, WO0243943 A1, US6444153 BA, US6419864 BA, US6238733 BA, US5939001 A, US5798128 A, US5773155 A, US5639829 A, US5576374 A, US5424020 A, US5401154 A, US5391618 A, US5278272 A, US5272236 A, US5194506 A, US5055438 A, US4937301 A, US4937299 A, US4935397 A, US4905541 A, US4701432 A, US4439387 A, US3645992 A, US3352952 A, US3236917 A, FR2777221 A1, EP1323778 A1, EP1008434 A1, EP0260999 A1, EP0129368 A1,

Forward Citations: WO12083014, WO11031041, WO11031041, WO11031040, WO11031040, WO09059967, WO09059967, WO09039147, WO06122583, WO06108256, US9522483, US9486808, US9443635, US9410644, US9409355, US9346222, US9321073, US9315217, US9309031, US9289936, US9283708, US9278472, US9233486, US9190184, US9062190, US9012781, US8944789, US8921692, US8623250, US8618214, US8507581, US8318835, US8304483, US7641833, US2015165701, US2015133585, US2015104633, US2014073731, US2013207291, US2011229594, US2011056906, US2010047542, US2007278717, US2007210471, US2007194478, KR20160108769, KR101406141, KR101254363, KR101150470, KR100927193, JP2013544198, JP2008535696, EP2143984, EP2058356, EP1921000, DE102012200059, DE102007016352, CN105209237, CN104445040, CN103863518, CN103068553, CN102905874, CN102905874, CN102372908, CN102232099, CN102118929, CN102118929, CN101928419,

Abstract:
Source: US2006049541A A method for making a fiber–reinforced thermoplastic polymer composition and forming a fabricated article therefrom. A thermoplastic polymer, a masterbatch comprising an elastomer and a reinforcing fiber material are compounded, extruded and immediately formed into a fabricated article. The fabricated article is formed by compression molding, vacuum forming, thermoforming, injection molding, blow molding, profile extrusion or combinations thereof.

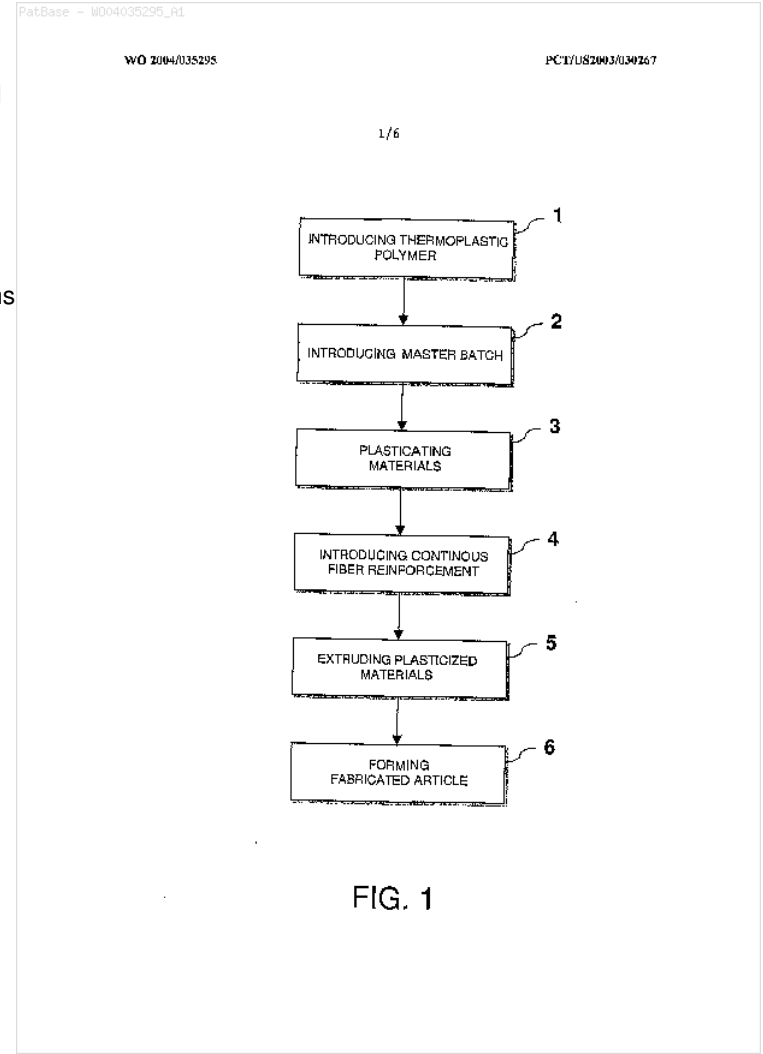


FIG. 1

0) US5199372A – AMPHIBIOUS VEHICLE

69) Family number: 3851409 (US5199372A) © PatBase

Title: Amphibious vehicle

Priority: US19900616234 19901120 CA19912055881 19911120

Family:

Publication number	Publication date	Application number	Application date
CA2055881 AA	19920521	CA19912055881	19911120
US5199372 A	19930406	US19900616234	19901120

Probable Assignee: WATERCRAFT OFFSHORE CANADA LTD

Assignee(s):(std)**:** WATERCRAFT OFFSHORE CANADA LTD

Assignee(s): SELIGMAN BRUCE H J W ; WALL RAYMOND G

Inventor(s):(std)**:** SELIGMAN BRUCE H J W ; WALL RAYMOND G

Agent(s): BULL HOUSSER AND TUPPER LLP

International class (IPC 8–9): B60F3/00 B60G3/01 (Advanced/Invention); B60F3/00 B60G3/00 (Core/Invention)

International class (IPC 1–7): B60F3/00 B63B35/00

CPC: B60F3/003 B60F2301/02 B60G3/01 B60G2204/4232

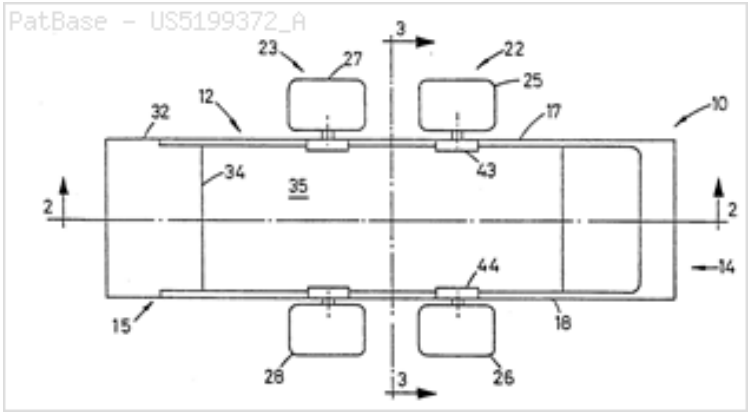
European class: B60F3/00C B60G3/01 L60F301/02 L60G204/4232

US class: 114/270 114/344 D12/300

Classification Explorer

Cited documents: US4892055 A, US3599256 A, US3079616 A, US2908241 A, US2876466 A, US1002661 A,

Forward Citations: WO02087908, US7934963, US6921304, US6482052, US5687669, US2005003715, US2004112661, EP0958169, AU2002249471,



Abstract:
Source: US5199372A An amphibious vehicle has a body with front and rear portions, opposite sides and a bottom. The vehicle includes at least one pair of wheels, each wheel being located adjacent a respective side, and a wheel mounting structure for moving the respective wheel between raised and lowered positions thereof. Thus, when the wheels are in the raised position, lower portions of the wheels are raised above the bottom, providing clearance when the vehicle is used in water, and when in the lowered position thereof, the lower portions of the wheels are below the bottom to support the vehicle on a bearing surface. Preferably, the vehicle has two pairs of wheels, and each pair can be moved independently of the remaining pair. For some uses, the wheels of each pair could be moved independently of each other.

0) US6270106B – ALL TERRAIN VEHICLE WITH FULL PLATFORM STYLE FO...

70) Family number: 15633068 (US6270106B) © PatBase

Title: All terrain vehicle with full platform style footrest and foot shifted manual transmission

Priority: US19980128573 19980804

Family:

Publication number	Publication date	Application number	Application date
US6270106 BA	20010807	US19980128573	19980804
US6270106 C1	20071002	US19980128573	19980804

Probable Assignee: POLARIS IND INC

Assignee(s):(std)**:** POLARIS INC

Assignee(s): POLARIS IND ; POLARIS IND INC ; POLARIS INDUSTRIES INC

Inventor(s):(std)**:** MAKI RICHARD R ; OLSON ALAN S ; RASIDESCU MIHAI ; WYSOCKI TIMOTHY S

International class (IPC 8–9)**:** B62J25/00 B62K5/00 (Advanced/Invention)

International class (IPC 1–7)**:** B62H1/00

CPC: B62J25/00 B62K5/01

European class: B62J25/00 B62K5/01

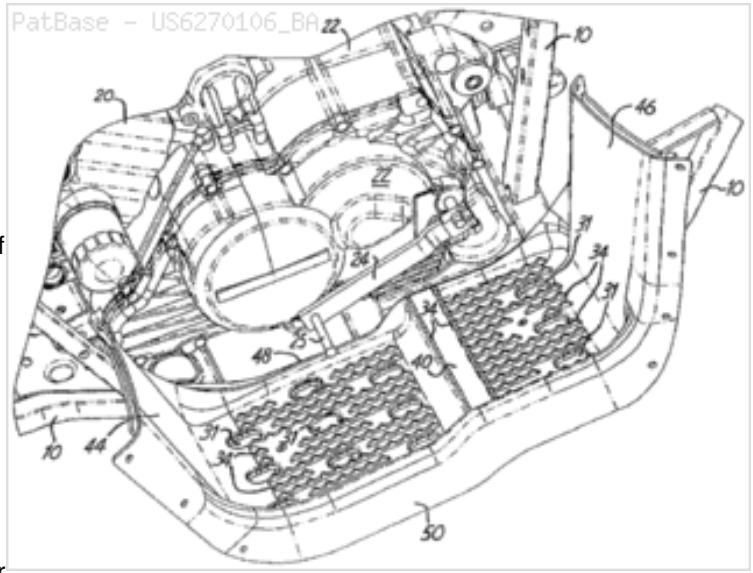
US class: 180/21 280/163 280/169 280/291 280/748 280/762 280/824

Classification Explorer

Cited documents: USD389440 S1, US6116630 A, US6113112 A, US5893424 A, US5779254 A, US5695023 A, US5661999 A, US5152382 A, US5107952 A, US5062675 A, US4852900 A, US4768799 A, US4728121 A, US4664208 A, US4650029 A, US4620575 A, US4458910 A, US4451057 A, US4372416 A, US4304315 A, JP404278889, JP40427888 A2, JP293283, JP2093283 A2,

Forward Citations: WO08143836, WO08143836, WO03053769, WO03042026, USD601464, USD600165, USD595188, USD513398, USD492916, USD488746, US9182775, US8844999, US8596398, US8474847, US8419104, US8342549, US8297394, US8226120, US8196692, US8109556, US8091657, US8075007, US7980345, US7967359, US7845452, US7802806, US7757799, US7757583, US7743864, US7607673, US7607368, US7594671, US7543836, US7506714, US7445075, US7404568, US7374192, US7258192, US7131655, US7121371, US7097188, US7048293, US6968917, US6755269, US6702329, US6682085, US6588537, US6581946, US6513821, US6502863, US2016194021, US2016152187, US2013221632, US2013153325, US2012090908, US2010163329, US2009250282, US2009071738, US2008284124, US2008283327, US2008283326, US2008217088, US2008185864, US2008115991, US2008030040, US2008029990, US2007278026, US2006119071, US2005120763, US2005039962, US2004252926, US2004206568, US2004201197, US2004135342, US2004134707, US2004129485, US2004113389, US2004113388, US2004112669, US2004112658, US2004108158, US2004079561, US2004031640, US2003184039, US2003102694, US2003025289, EP1564123, EP1361975, EP1361975,

Abstract:
Source: US6270106B An all terrain vehicle with a foot−shifted manual transmission and a full platform−style footrest. The all terrain vehicle has a chassis carrying a straddle−type seat which is sufficiently narrow to be straddled by a rider. A laterally extending footrest is provided on each side of the chassis. The manual transmission includes a foot−operable shift lever located on one side of the chassis adjacent the footrest for shifting the transmission among a plurality of forward gears. The footrest is generally rectangular, having generally horizontal heel and toe portions, and the shift lever is positioned at approximately the same height as the heel portion. The toe portion is positioned lower than the heel portion, permitting a rider to depress the shift lever to a position lower than the heel portion of the footrest to downshift the transmission, and permitting the rider to insert his toe in between the toe portion of the footrest and the shifting lever to move the lever upwards to upshift the transmission. The platform is configured and arranged so as to prevent a toe of a rider's shoe from extending therethrough, however, thus providing full protection of the foot from below. The footrest includes a cleat formed integrally with the platform, the cleat having an upper surface positioned higher than the heel portion of the footrest. The cleat defines the forward edge of the heel portion and the rearward edge of the toe portion of the footrest, provides good foot heel location on the footrest and provides an edge about which the rider's foot may pivot during shifting.



0) US2002096131A – ENGINE COOLING SYSTEM FOR ALL–TERRAIN VEHICLE

71) Family number: 28222309 (US2002096131A) © PatBase

Title: Engine cooling system for all–terrain vehicle

Priority: JP20010014570 20010123

Family:

Publication number	Publication date	Application number	Application date
JP2002220076 A2	20020806	JP20010014570	20010123
JP3442742 B2	20030902	JP20010014570	20010123
US2002096131 AA	20020725	US20020051108	20020122
US6622666 BB	20030923	US20020051108	20020122

Probable Assignee: KAWASAKI JUKOGYO KK

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK ; KAWA KI JUKOGYO K USHIKI KAISHA ABSA

Inventor(s):(std)**:** KUJI YASUHIRO

International class (IPC 8–9)**:** B62J99/00 B62K5/00 F01P3/18 (Advanced/Invention); F01P11/02 F01P7/16 (Advanced/Non–invention); B62J99/00 B62K5/00 F01P3/00 (Core/Invention); F01P11/00 F01P7/14 (Core/Non–invention)

International class (IPC 1–7)**:** B62J39/00 B62K5/00 F01P7/14

CPC: F01P3/18 F01P7/16 F01P11/0209 F01P2050/22 F01P2070/00

European class: F01P3/18 R01P11/02A2 R01P50/22 R01P7/16 R01P70/00

US class: 123/41.1

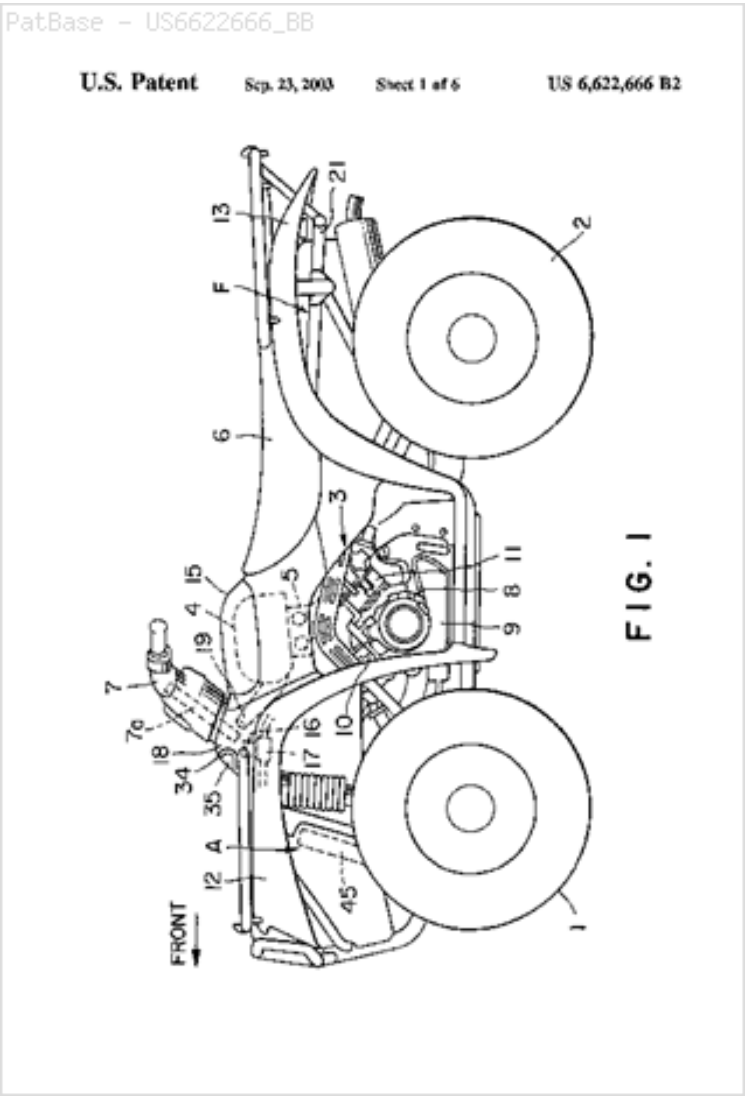
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Cited documents: US6454040 BA, US5410991 A, JP5010743 A2, JP3117614 A2,

Forward Citations: US9266580, US8844475, US8783720, US8622428, US8413758, US8191930, US8191929, US8191677, US7954853, US7942447, US7658411, US7644791, US7537499, US7478611, US7231996, US7082904, US2012247410, US2011198831, US2011198830, US2011174569, US2010194088, US2010108428, US2007257516, US2007257479, US2006197331, US2006192375, US2006186699, US2005235929, US2005183676, US2004188156, TWI553216, TWI510707, JP4030891, JP2004243994, EP2826976, EP2573353, CN103016132, CN102372050, AU2004200511,

Abstract:
Source: US2002096131A An engine cooling system for an all−terrain vehicle provided with a front fender (12), and an engine (3) provided with water jackets and mounted on a body frame (F) at a position between front and rear wheels includes a radiator (45) provided with a water inlet (54) and disposed in a front part of the body frame (F), a water filling cup (16) provided with a water filling opening (16a), and a thermostat case (17) holding a thermostat (17a) therein. The water filling cup (16) is separated from the radiator (45). The water filling cup (16) and the thermostat case (17) are placed in a part of a connecting pipe connecting the water inlet(54) of the radiator (45) and the outlets (57, 58) of the water jackets of the engine (3) at the highest level in a cooling water circulating passage. A protruded portion (18) is formed on the front fender (12) so as to surround a steering shaft, and the water filling cup (16) and the thermostat case (17) are placed inside the protruded portion (18).

PatBase - US6622666_B8



0) US6543830B – ATV CAB ASSEMBLY

72) Family number: 28447145 (US6543830B) © PatBase

Title: ATV cab assembly

Priority: US20020109307 20020328

Family:

Publication number	Publication date	Application number	Application date
US6543830 BA	20030408	US20020109307	20020328

Probable Assignee: ATV CABS LLC

Assignee(s):(std)**:** ATV CABS LLC

Assignee(s): ATV C S LLC BUILDING B AB

Inventor(s):(std)**:** STUCK ANDREW G

International class (IPC 8–9)**:** B60J5/00 B60J7/10 (Advanced/Invention); B60J5/00 B60J7/08 (Core/Invention)

International class (IPC 1–7)**:** B60J7/10

CPC: B60J5/0487 B60J7/10

European class: B60J5/04K2 B60J7/10

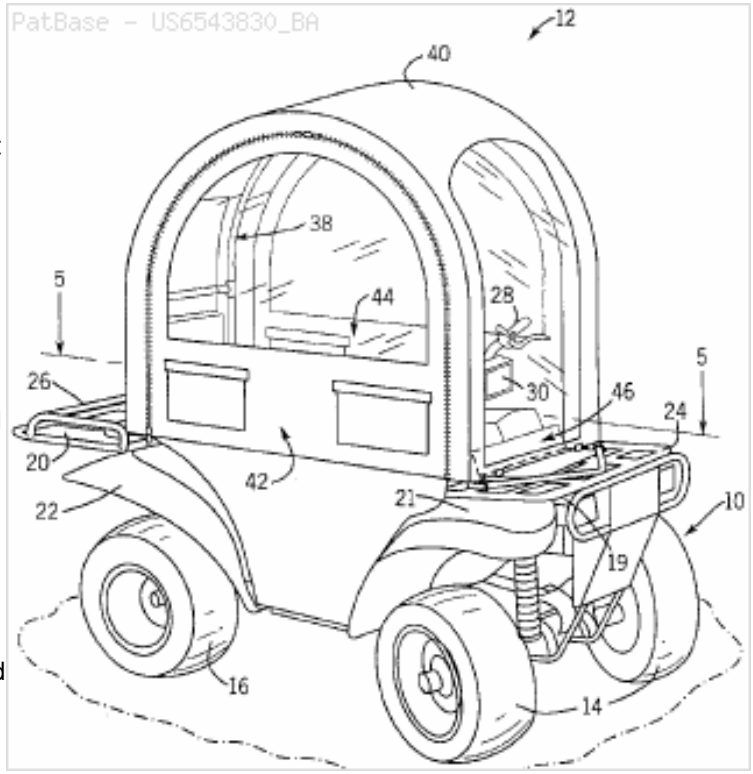
US class: 296/77.1

Classification Explorer

Cited documents: US6402220 BB, US6206446 BA, US5961175 A, US5509717 A, US5203601 A, US5174622 A, US4973082 A, US4950017 A, US4739853 A, US2002089207 AA,

Forward Citations: WO07134027, WO05120870, WO05120870, USD758281, USD575675, USD520937, US9393856, US8430444, US8322749, US8087694, US7967359, US7854463, US7845711, US7789424, US7513467, US7503607, US7392877, US7290829, US7137660, US7066526, US6817647, US6811204, US6786526, US2016052582, US2016023543, US2015292232, US2015083174, US2014062073, US2011221177, US2009267335, US2009206588, US2008265609, US2008185864, US2008185860, US2008106115, US2006192403, US2006006696, US2005269831, US2004075293, US2004050410, US2004021333, CN103221240, CN103221240,

Abstract:
Source: US6543830B A removable cab assembly is provided for an all terrain vehicle which has front and rear racks, front and rear wheels provided with respective front and rear fenders and the seat located between the front and rear wheels. The cab assembly includes a front mounting bracket structure attached to a front rack of the all terrain vehicle, and a rear mounting bracket structure removably attached to a rear rack of the all terrain vehicle. A flexible framework has front ends connected to the front mounting bracket structure, and rear ends attached to the rear mounting bracket structure. The framework has a length such that when joined to the front and rear racks, the framework is bendable and assumes a generally semi−circular profile extending above the all terrain vehicle. A flexible fabric cover having longitudinal side edges, a front window and a rear window is removably connected to the framework and to the front and rear racks. Side doors with side windows are removably connected along the entire length of the fabric cover longitudinal side edges and between the front and rear wheels. The attachment of the fabric cover and the side doors of the flexible framework enables a driver seated in the all terrain vehicle to have complete comfort and protection from the outside elements.



0) US2016052466A – ASSEMBLY OF VEHICLE STRUCTURAL COMPONENTS AT A ...

73) Family number: 60814925 (US2016052466A) © PatBase

Title: ASSEMBLY OF VEHICLE STRUCTURAL COMPONENTS AT A COMMON JOINT

Priority: US20140467263 20140825

Family:

Publication number	Publication date	Application number	Application date
CN204978854 U	20160120	CN201520629380U	20150819
DE202015104385 U1	20151119	DE201520104385U	20150819
MX2015010629 A1	20160224	MX20150010629	20150817
RU2015135789 A	20170302	RU20150135789	20150824
US2016052466 AA	20160225	US20140467263	20140825
US9352706 BB	20160531	US20140467263	20140825

Probable Assignee: FORD GLOBAL TECH LLC

Assignee(s):(std)**:** FORD GLOBAL TECH LLC ; FORD GLOBAL TECHNOLOGIES INC

Assignee(s): FORD GLOBAL TECHNOLOGIES LLC ; FORD GLOBAL TECHNOLOGIES

Inventor(s):(std)**:** KUCHIBHATLA SREENIVAS ; STROZESKI JOSEPH ; SREENIVAS KUCHIBHATLA ; JOSEPH STROZESKI

Agent(s): JASON; BEJIN BIENEMAN PLC

International class (IPC 8–9)**:** B60J5/04 B60R13/08 B62D25/00 B62D25/04 B62D25/14 B62D25/18 (Advanced/Invention); F16B35/06 F16B5/02 (Advanced/Non–invention); B62D25/00 (Core/Invention)

CPC: B60R13/08 B60J5/0468 B62D25/04 F16B5/02 F16B35/06

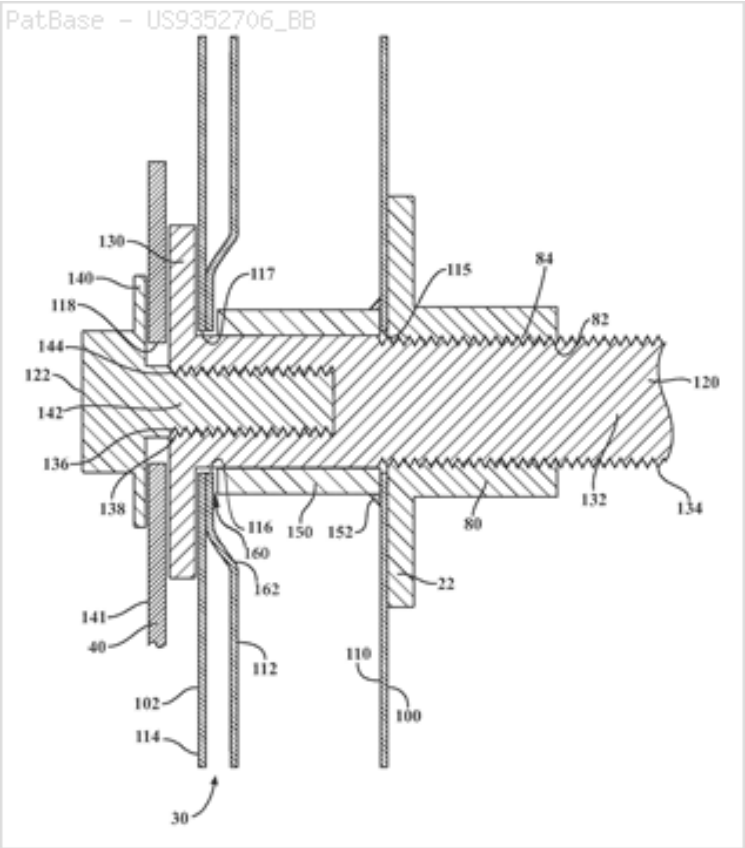
US class: 1/1 296/1.03 296/146.11

Classification Explorer

Cited documents: US7036874 BB, US6860542 BA, KR20120051539 A, JP2012148745 A2, JP2002347653 A2, JP10218028 A2, JP10119820 A2, FR2919562 B1, EP2195207 B1,

Forward Citations: USD781194,

Abstract:
Source: US2016052466A An assembly includes a base component secured to vehicle frame components and a first body component having an inside surface abutting the base component. The assembly further includes a first fastening member securing the first body component to the base component. The first fastening member has a first flange portion engaging the outside surface of the first body component and a first shaft portion engaging the base component. The assembly also includes a second body component abutting the first flange portion of the first fastening member opposite the first body component and a second fastening member securing the second body component to the first body and base components. The second fastening member has a second flange portion engaging the second body component and a second shaft portion engaging the first shaft portion of the first fastening member.



0) US2010320739A – ATV UTILITY TRAILER WITH PIVOTING AND EXTENDABL...

74) Family number: 47900149 (US2010320739A) © PatBase

Title: ATV UTILITY TRAILER WITH PIVOTING AND EXTENDABLE TONGUE AND BRUSH GUARD

Priority: US20090456489 20090617

Family:

Publication number	Publication date	Application number	Application date
US2010320739 AA	20101223	US20090456489	20090617
US7997605 BB	20110816	US20090456489	20090617

Probable Assignee: KITTRELL FLOYD L

Assignee(s):(std)**:** KITTRELL FLOYD L

Inventor(s):(std)**:** KITTRELL FLOYD L

Agent(s): DAVID W CARRITHERS CARRITHERS LAW OFFICE PLLC; CARRITHERS LAW OFFICE PLLC; DAVID W

International class (IPC 8–9): B60D1/00 B60D1/14 B60D1/40 B62D63/06 (Advanced/Invention)

CPC: B60D1/06 B60D1/155 B60D1/54

European class: B60D1/06 B60D1/155 B60D1/54

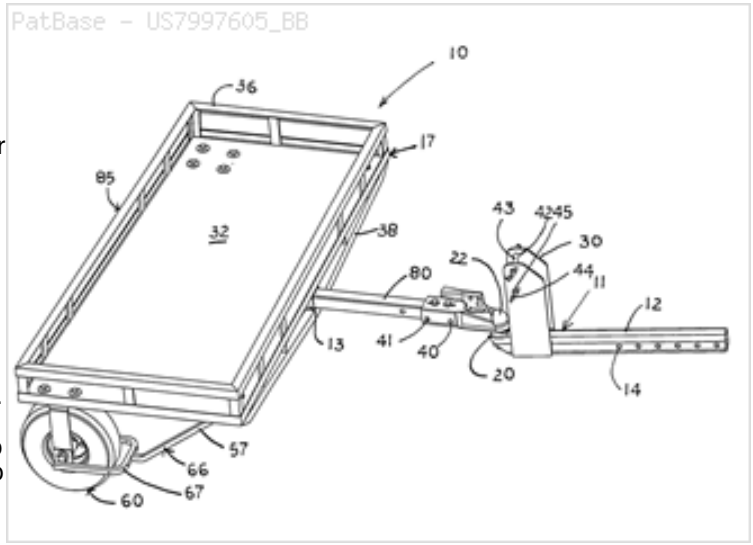
US class: 280/400 280/476.1 280/478.1 280/478.100S 280/491.1 280/497 280/497S 280/656 280/789 280/789P

Classification Explorer

Cited documents: US7055848 BA, US6254117 BA, US4603874 A, US4563018 A, US2008157493 AA, US2008042403 AA, US2008012266 AA, US2005248125 AA, US2002171224 AA,

Forward Citations: US9340087, US9259983, US8905423, US8157288, US2014306425, US2014265247, US2013049342, US2011266776,

Abstract:
Source: US2010320739A A trailer with a pivoting and extendable tongue for use with all terrain vehicles (ATV) wherein the trailer tongue connects to a standard vehicle hitch receiver providing means for pivoting the trailer up in a raised transport or storage space saving configuration supported by the ATV or other vehicle receiver. The tongue is telescoping so that it can be shortened before raising the trailer to the space saving position. The ball mount pivot device on the ATV trailer tongue includes two plates, one attached to each side of the mount. The plates include holes for the attachment of the trailer's tongue in a vertical attitude for space saving transport. Two pins hold the tongue vertically in the plates. Removal of the pins allows the trailer to be rotated downward from a vertical position to a horizontal position for towing behind a vehicle such as an ATV. The tongue includes a ball receiving member mounted on the distal end of the tongue for engagement with a ball extending from the ball mount. The wheels are provided with heavy duty fenders which can be pivotally mounted on the wheel axles to function as sled runners. Most important support members extend from the axles to a selected point under the trailer frame at a selected angle in front of the wheels to function as brush guards so that the wheels are not caught in brush, hung on stumps, or deep gullies. A keeper can be removed to allow the fenders to be rotated forward and down to be used as sled runners when the ATV is towing a load in the snow. In this position, the keepers are re–installed to keep the fenders in the sled runner position. The wheels are also positioned under the trailer bed to extend pass the frame to allow the trailer to be backed over objects such as logs or gullies.



0) US8430444B – VEHICLE COVERING SYSTEM

75) Family number: 53648863 (US8430444B)

© PatBase

Title: VEHICLE COVERING SYSTEM

Priority: US20110269934 20111010

Family:

Publication number	Publication date	Application number	Application date
US8430444 BA	20130430	US20110269934	20111010

Probable Assignee: WEST CARL

Assignee(s):(std)**:** WEST CARL

Inventor(s):(std)**:** WEST CARL

International class (IPC 8–9)**:** B60J1/00 (Advanced/Invention)

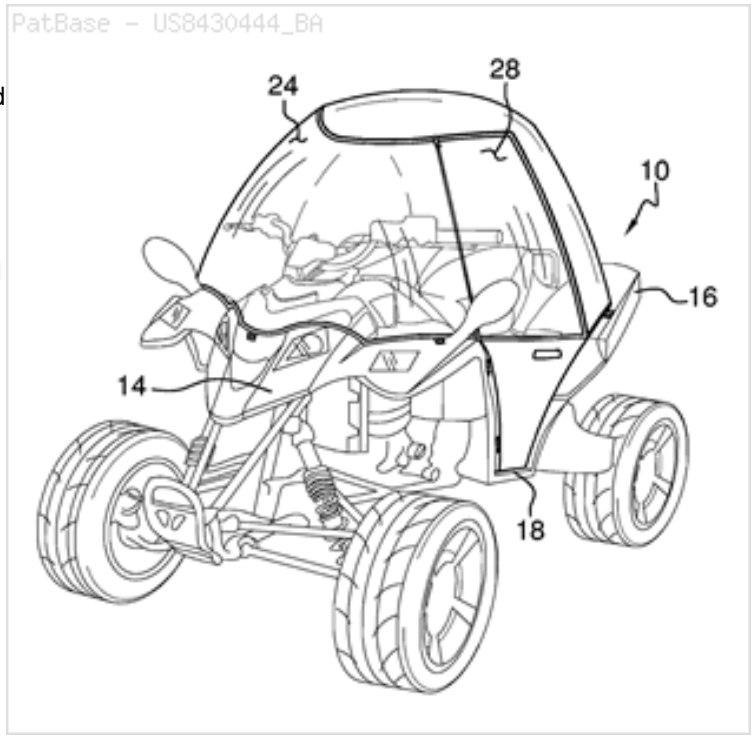
CPC: B60J7/106 B62J2017/086 B62J17/08 B62K5/01

US class: 296/77.1 296/78.1 296/84.1

Classification Explorer

Cited documents: USD433651, USD332239 S1, US981771 A, US856375 A, US7854463 BA, US7464781 BB, US7374190 BB, US7354092 BB, US7267388 BB, US7216926 BB, US7066526 BB, US6942053 BB, US6926334 BA, US6916059 BB, US6565139 BB, US6547027 BA, US6543830 BA, US6530617 BB, US5529369 A, US5509717 A, US5458390 A, US5393118 A, US5310235 A, US4632448 A, US3979147 A, US3819226 A, US3301589 A, US2008289896 AA, US2008280729 AA, US2008223633 AA, US2008023249 AA, US2007182204 AA, US2002167190 AA, US1551889 A,

Abstract:
Source: US8430444B A vehicle covering system includes a vehicle that has a front fender, a rear fender, a pair of floor boards and a seat. The seat is positioned between the front and rear fenders and between the floor boards. A covering is removably positioned on the vehicle and is coextensive with the front fender, the rear fender and the floor boards to shield a person seated on the seat. A pair of doors is removably attached to the vehicle and each of the doors is pivotally coupled to one of a pair of side edges of the front fender. Each of a pair of latches is mounted one of the doors and releasably engages the rear fender to retain the doors in a closed position extending between the front and rear fenders.



0) WO08127272A1 – SYSTEMS AND METHODS FOR ENHANCING THE PROTECTIO...

76) Family number: 42396834 (WO08127272A1) © PatBase

Title: SYSTEMS AND METHODS FOR ENHANCING THE PROTECTION PROVIDED BY ARMORED VEHICLES

Priority: US20060844341P 20060912

Family:

Publication number	Publication date	Application number	Application date
WO08127272 A1	20081023	WO2007US19864	20070912

Probable Assignee: PROTECTED VEHICLES INC

Assignee(s):(std)**:** PROTECTED VEHICLES INC

Inventor(s):(std)**:** TUTEN JAMES MANER

Agent(s): TUTEN JAMES N

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): F41H5/00 (Advanced/Invention)

CPC: F41H5/013 F41H5/263 F41H7/042 F41H7/044

European class: F41H5/013 F41H5/26B F41H7/04B F41H7/04D

Classification Explorer

Cited documents: WO06011903 A2, US5670734 A, US5533781 A, GB2052695 A1, DE10144208 A1, AU703896 B2,

Forward Citations: WO13077926, WO11131184, WO11085487, US9157704, US8833230, US8627757, US8616617, US8499677, US2015377595, EP2753892, EP2685205, EP2569590, EP2561307, EP2385338, EP2325595, EP2275773, EP2207004,

Abstract:
An improved armored vehicle that can be configured and adapted to provide protection against a variety of explosions and ballistic threats is provided. Such armored vehicles may include a V–shaped bottom hull that provides enhanced protection against threats hitting the armored vehicle from the side, as well as the bottom of the vehicle. The improved armored vehicles also can allow for the addition, removal, and replacement of armor. This can allow for armored vehicles to be optimized for encountering a particular combat zone, and for damaged armor to be replaced or repaired in the field, after a ballistic event. Additionally, improved armored vehicles can include joints or fasteners for attaching vehicle components to the body of the vehicle. These joints can be designed to fail or break during a ballistic event, thereby absorbing explosive forces, reducing damage to the armored vehicle, and allowing easy replacement of damaged components.

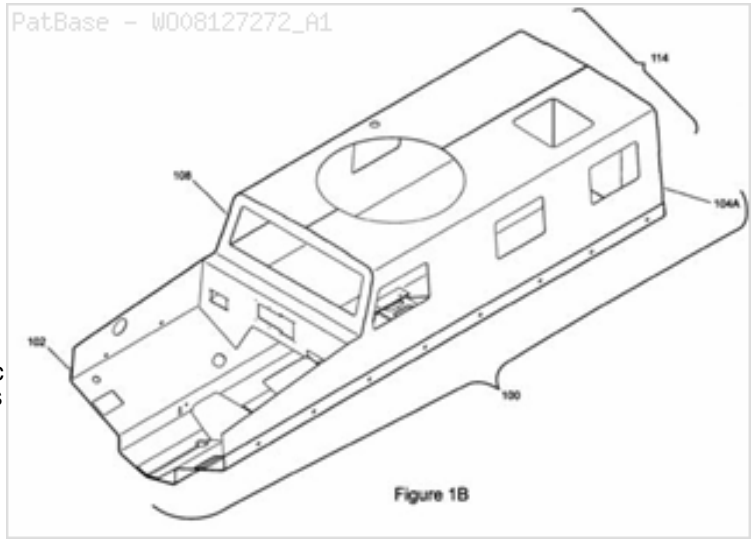


Figure 1B

0) US3913948A – CONVERSION ARRANGEMENT FOR A DUMP TRUCK

77) Family number: 1186022 (US3913948A)

© PatBase

Title: Conversion arrangement for a dump truck

Priority: US19740477761 19740610

Family:

Publication number	Publication date	Application number	Application date
BR7501846 A	19760622	BR19750002358	19750326
CA1022581 A1	19771213	CA19750217570	19750108
ES437249 A1	19770116	ES19750437249	19750430
FR2273687 A1	19760102	FR19750004230	19750211
FR2273687 B1	19791019	FR19750004230	19750211
GB1472041 A	19770427	GB19750017496	19750510
JP51007608 A2	19760122	JP19750069253	19750610
US3913948 A	19751021	US19740477761	19740610

Probable Assignee: CATERPILLAR INC A CORP OF DE

Assignee(s):(std)**:** CATERPILLAR TRACTOR CO

Assignee(s): GEE JAMES E ; PING DAVID T ; SIEVING ALFRED W ; CATERPILLAR INC ; CATERPILLAR INC A CORP OF DE

Inventor(s):(std)**:** AREFURETSUDO UIRIAMU SHIIBINGU ; GEE J ; GEE JAMES E ; GEE JAMES EDGAR ; JEEMUSU EDOGAA GII ; PING DAVID T ; SIEVING A ; SIEVING ALFRED W ; SIEVING ALFRED WILLIAM ; TABIDO TEII PINGU

Inventor(s): JAMES EDGAR GEE ALFRED WILLIAM SIEVING ET DAVID T ; JAMES EDGAR GEE ALFRED WILLIAM SIEVING ET...

International class (IPC 8–9)**:** B60P1/16 B60P3/42 B62D53/00 B62D53/06 B62D53/08 (Advanced/Invention); B60P1/04 B60P3/42 B62D53/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/04 B60P9/00 B62D49/06 B62D53/00 B62D53/02 B62D53/06

CPC: B60P3/42 B62D53/061 B62D53/0835

European class: B60P3/42 B62D53/06B B62D53/08B4

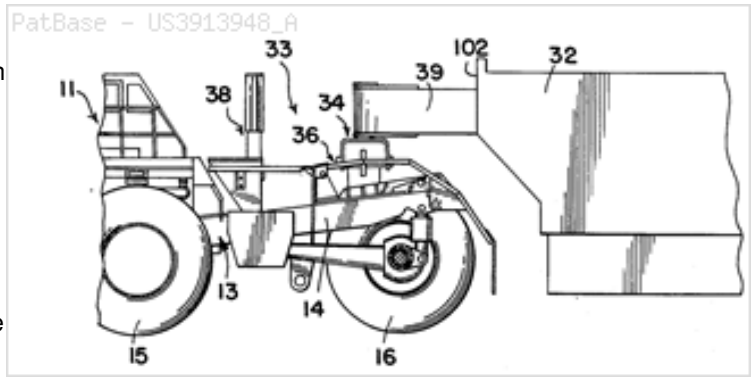
US class: 280/415.1 280/415R 280/418.1 280/425.1 280/851 298/22R

Classification Explorer

Cited documents: US3552798 A, US3498639 A, US3360281 A, US3355043 A, US2311941 A, US2233193 A, US2151640 A, US2138679 A,

Forward Citations: US6776431, US5884941, US4887831, US4192522, US2015175049, AT389283,

Abstract:
Source: US3913948A Provision is made for attaching a conversion unit to the chassis of an off–the–highway vehicle which has had a dump–type body removed. The conversion unit makes it possible to attach a semitrailer–type body to the vehicle. The conversion is effected without modifications to the vehicle chassis and includes a turn stop arrangement to prevent the semitrailer from bumping the cab of the vehicle on extreme turns. The conversion provides for fenders to prevent throwing rocks and hunks of dirt by the wheels and has a walking platform which permits ready access to operative parts of the conversion unit for inspection and repair.



0) US2003217884A – FOUR–WHEELED ALL TERRAIN VEHICLE

78) Family number: 29994868 (US2003217884A) © PatBase

Title: FOUR–WHEELED ALL TERRAIN VEHICLE

Priority: JP20020150283 20020524

Family:

Publication number	Publication date	Application number	Application date
JP2003341582 A2	20031203	JP20020150283	20020524
JP4183975 B2	20081119	JP20020150283	20020524
US2003217884 AA	20031127	US20030424755	20030429

Probable Assignee: KAWASAKI JUKOGYO KK

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK

Inventor(s):(std)**:** KAWAMOTO YUICHI

International class (IPC 8–9)**:** B62J11/00 B62J35/00 B62J99/00 B62K11/04 B62K5/00 B62M7/02 F02B67/00 F02M17/34 (Advanced/Invention); B62J11/00 B62J35/00 B62J99/00 B62K11/00 B62K5/00 B62M7/00 F02B67/00 F02M17/00 (Core/Invention)

International class (IPC 1–7)**:** B60K5/00 B62J11/00 B62J35/00 B62J39/00 B62K11/04 B62K5/00 B62M7/02 F02B67/00 F02M17/34

CPC: B62K5/01

European class: B62K5/01 B62M7/02

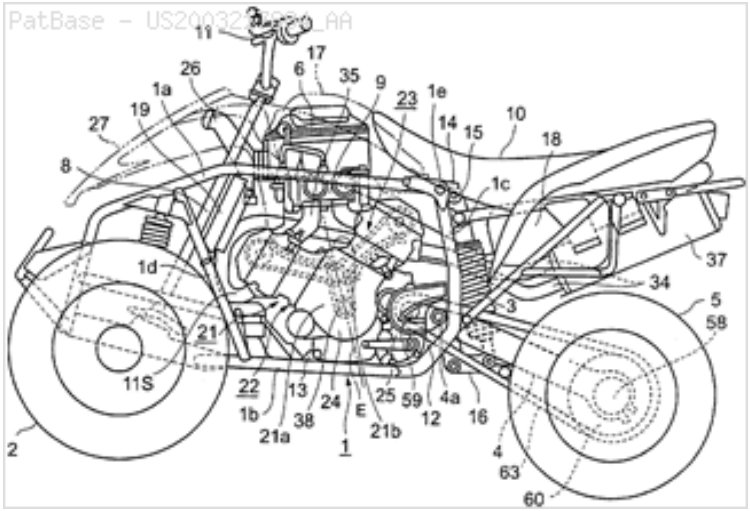
US class: 180/292

Classification Explorer

Cited documents: USRE31989 E, US6805214 BB, US6786290 BB, US6776250 BB, US6722323 BB, US6672982 BB, US6598595 BB, US6499443 BB, US6374789 BB, US6269899 BA, US6264241 BA, US6257178 BA, US5908079 A, US5570753 A, US5231961 A, US4903483 A, US4813511 A, US4757872 A, US4535869 A, US4517940 A, US4454714 A,

Forward Citations: WO10138867, US9283823, US9145038, US8444161, US8434774, US8413757, US8091657, US8042636, US7708106, US7637340, US7562736, US7438153, US7363999, US2010243365, US2009038875, US2008283327, US2008236918, US2007251229, US2007137914, US2006254849, JP4526828, JP2005219668, ES2330988, CN103264726,

Abstract:
Source: US2003217884A A four–wheeled all terrain vehicle includes a straddle–type seat 10 and a V–type engine 21. The V–type engine 21 has a crank case 24 and a transmission mechanism, with a center line E of a V–bank being inclined forward. A body frame 2 has an engine–receiving space between front wheels 2 and rear wheels 5, which is of substantially a parallelogram shape when viewed from a lateral side of the body frame. The V–type engine 21 is installed in the engine–receiving space. A carburetor 9 is disposed in or above the V–bank. A rear suspension 3 is held by the body frame at a rear side thereof.



0) US6478103B – BRAKE SYSTEM LAYOUT FOR ATV

79) Family number: 13865048 (US6478103B)

© PatBase

Title: BRAKE SYSTEM LAYOUT FOR ATV

Priority: JP19990120361 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313318 A2	20001114	JP19990120361	19990427
US6478103 BA	20021112	US20000552982	20000421

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** MATSUURA TATSUYA

International class (IPC 8–9)**:** B60T7/04 B60T7/08 B62K5/00 (Advanced/Invention); B60T7/02 B60T7/04 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60T7/04 B62J25/00 B62K23/08 B62K5/00

CPC: B62K5/01 B60T7/04 B60T7/08 B62K5/027 Y10T74/2022 Y10T74/20528

European class: B60T7/04 B60T7/08 B62K5/01 B62K5/027

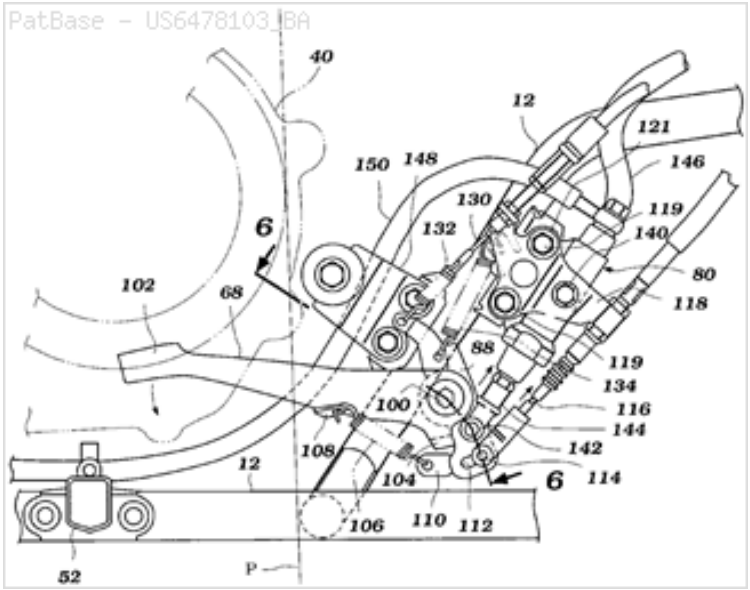
US class: 180/90.6 188/106R 188/152 74/481 74/512

Classification Explorer

Cited documents: US5211256 A, US4667760 A, US3960030 A, US3838756 A, US3817342 A, JP7293610 A2, JP7149273 A2, JP11079041 A2, JP11011371 A2,

Forward Citations: WO03042026, USD592557, USD592556, US9587689, US9283992, US9108531, US8596398, US8439455, US8297394, US8196692, US7819412, US7722130, US7695074, US7665385, US7543836, US7506714, US7431131, US7404568, US7258192, US7137467, US7121371, US6968917, US6938714, US6772864, US6651524, US2011127829, US2009071738, US2007273200, US2006152071, US2005279555, US2005061572, US2003097898, US2003061897, TWI361772, JP2009227119, GB2528253, FR2977548, EP2263925, EP2263925, EP2251253, EP2022691, EP1674387, EP1621433, EP1609711, EP1475797,

Abstract:
Source: US6478103B An all terrain vehicle comprises a compact layout for a brake system. The all terrain vehicle includes a front fender assembly, which is positioned above at least one front wheel, and a rear fender assembly, which is positioned above at least one rear wheel. An engine is supported by a frame assembly and is positioned between the front wheel and the rear wheel. A longitudinal plane extends along an outer lateral surface of the engine and a transverse plane extends along either a rearmost portion of the front fender assembly, a forwardmost portion of a foot step or an intersection between the front fender assembly and the foot step. A master cylinder of the braking system is disposed forward of the transverse plane and inward of the longitudinal plane. The master cylinder is independently operated by a hand actuator and a foot actuator. Movement of either of the actuators does not move the other of the actuators.



0) US2009000841A – BATTERY BOXES HAVING APERTURE AND VEHICLES INCL...

80) Family number: 42769390 (US2009000841A) © PatBase

Title: BATTERY BOXES HAVING APERTURE AND VEHICLES INCLUDING SAME

Priority: US20070821966 20070626

Family:

Publication number	Publication date	Application number	Application date
US2009000841 AA	20090101	US20070821966	20070626
US7836990 BB	20101123	US20070821966	20070626

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HOLOWEIKO RYAN J ; HONDA MOTOR CO LTD ; REED CAMAS

Assignee(s): HONDA MOTOR COMPANY LTD

Inventor(s):(std)**:** HOLOWEIKO RYAN J ; REED CAMAS

Agent(s): ULMER AND BERNE LLP ATTN DIANE BELL; ULMER AND BERNE LLP

International class (IPC 8–9): B60R16/04 (Advanced/Invention); B60R16/04 (Core/Invention)

CPC: B60R16/04

European class: B60R16/04

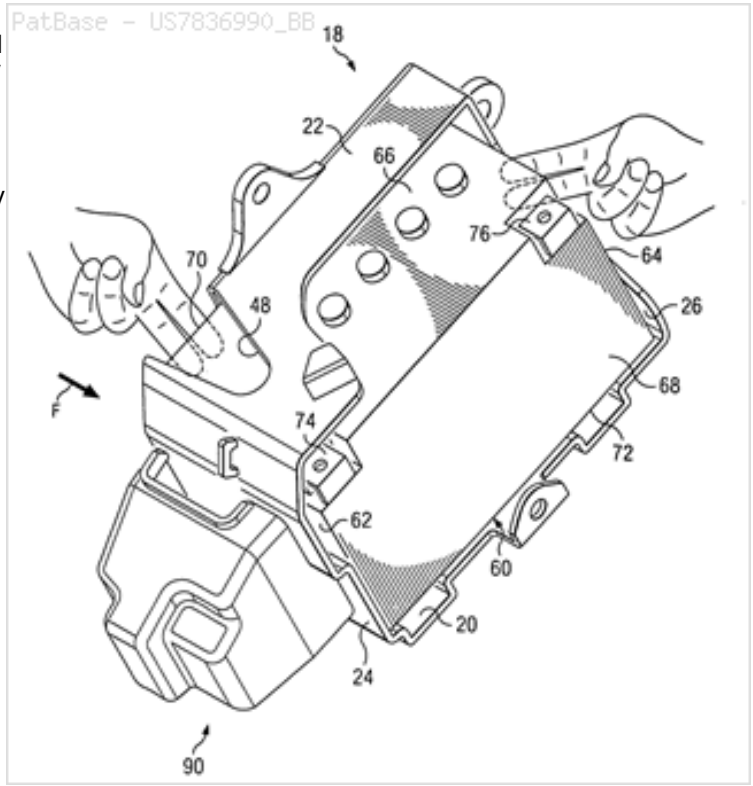
US class: 180/68.5 180/68.500P 429/100 429/176

Classification Explorer

Cited documents: USD495994 S1, US7126311 BB, US6842633 BA, US6564893 BB, US6439329 BA, US6111327 A, US5789898 A, US5756227 A, US5709280 A, US5636701 A, US5547036 A, US5477936 A, US5378555 A, US5301765 A, US5293951 A, US4854540 A, US4321522 A, US3691668 A, US2913587 A, US2004065491 AA, US2003121191 AA, US2003047366 AA, US1607598 A,

Forward Citations: US9293746, US9120441, US8955632, US8822056, US8720627, US8020830, US7828098, US2016031307, US2013056293, US2012312613, US2009272863, US2007045015, EP2399782, DE102011121515, CN102975771,

Abstract:
Source: US2009000841A Vehicles, such as all terrain vehicles, can be provided with a battery box. The battery box comprises a bottom wall, a top wall, a first side wall, and a second side wall which together define a battery retention chamber having a front opening configured for passage of a battery. Vehicles having a battery box are also provided.



0) US2016046182A – EXHAUST SYSTEM FOR AN OFF–ROAD VEHICLE

81) Family number: 61688116 (US2016046182A) © PatBase

Title: EXHAUST SYSTEM FOR AN OFF–ROAD VEHICLE

Priority: US20140037546P 20140814 US20150826073 20150813

Family:

Publication number	Publication date	Application number	Application date
EP2985166 A1	20160217	EP20150180786	20150812
US2016046182 AA	20160218	US20150826073	20150813

Probable Assignee: CNH IND AMERICA LLC

Assignee(s):(std)**:** CNH IND AMERICA LLC ; CNH IND ITALIA SPA

Assignee(s): CNH INDUSTRIAL AMERICA LLC ; CNH INDUSTRIAL ITALIA SPA

Inventor(s):(std)**:** BAUTZ CHAD ; BAUTZ CHAD A ; BOESHANS JAMES PATRICK ; LARSON JAY M ; LARSON JAY MICHAEL ; NOVACEK JASON ; NOVACEK JASON KEITH ; RASSET JOHN THOMAS ; RASSETT JOHN T ; STOLTMAN RUSSELL V ; STOLTMAN RUSSELL VICTOR ; TVEITO DAVID L ; TVEITO DAVID LARRY

Agent(s): CNH INDUSTRIAL IP DEPARTMENT

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): B60K13/04 F01N13/18 F01N3/10 F01N3/20 (Advanced/Invention)

CPC: F01N13/1805 F01N3/103 F01N3/208 B60K13/04 B60Y2200/221

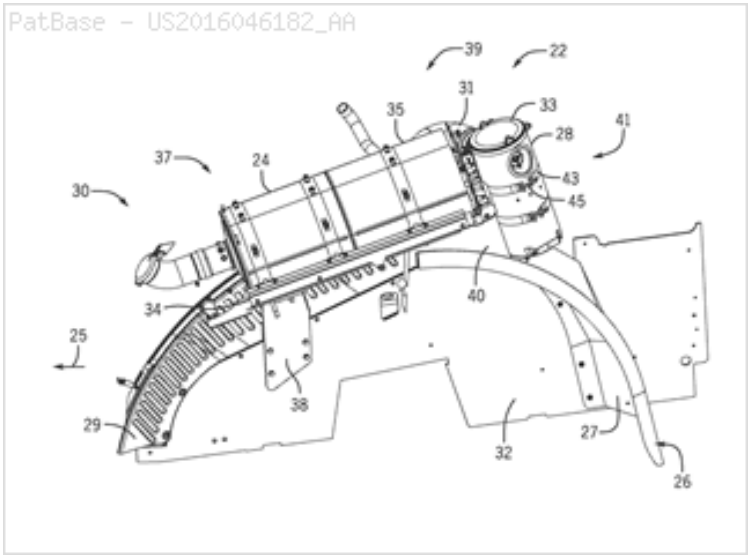
US class: 180/309

Classification Explorer

Cited documents: USD297239 S1, US9371764 BB, US9353668 BB, US9353502 BB, US9347347 BB, US9334786 BB, US9322310 BB, US9316136 BB, US9314750 BB, US9248734 BB, US9238901 BB, US9222383 BB, US8827021 BA, US8820691 BB, US8651218 BB, US8572954 BB, US8418448 BB, US8191668 BB, US7735437 BB, US6983728 BA, US6499561 BA, US5689953 A, US4766983 A, US4632210 A, US3933216 A, US2016160726 AA, US2016115848 AA, US2016115840 AA, US2016115671 AA, US2016096426 AA, US2016053645 AA, US2016032562 AA, US2016031486 AA, US2016024752 AA, US2016017778 AA, US2016010525 AA, US2015377113 AA, US2015275476 AA, US2015135686 AA, US2015114747 AA, US2015001170 AA, US2014348716 AA, US2014262590 AA, US2014251713 AA, US2014124283 AA, US2013233432 AA, US2011283687 AA, US2011192671 AA, US2010275588 AA, US2010031644 AA, US2008168764 AA, EP2752327 A1,

Forward Citations: US2016047289,

Abstract:
Source: US2016046182A A system includes a muffler coupled to a frame of the off−road vehicle and mounted in a substantially horizontal orientation and a diesel oxidation catalyst (DOC) fluidly and mechanically coupled to the muffler. In certain embodiments, the DOC is mounted in a substantially vertical orientation rearward of the muffler relative to a primary direction of travel of the off−road vehicle.



0) US2009272863A – MOUNTING ASSEMBLIES FOR SECURING ELECTRONIC CON...

82) Family number: 43954225 (US2009272863A) © PatBase

Title: MOUNTING ASSEMBLIES FOR SECURING ELECTRONIC CONTROL UNIT AND VEHICLES INCLUDING SAME

Priority: US20080114871 20080505

Family:

Publication number	Publication date	Application number	Application date
US2009272863 AA	20091105	US20080114871	20080505
US8020830 BB	20110920	US20080114871	20080505

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** OAKES PHILIP ARTHUR ; POLLOCK THOMAS HOWERTON ; REED CAMAS ; WEIMER R GREGORY ; HONDA MOTOR CO LTD

Assignee(s): HONDA MOTOR COMPANY LTD

Inventor(s):(std)**:** OAKES PHILIP ARTHUR ; POLLOCK THOMAS HOWERTON ; REED CAMAS ; WEIMER R GREGORY

Agent(s): ULMER AND BERNE LLP ATTN DIANE BELL; ULMER AND BERNE LLP

International class (IPC 8–9): A47B97/00 A47F7/00 (Advanced/Invention); A47F7/00 (Core/Invention)

CPC: B60R11/0264

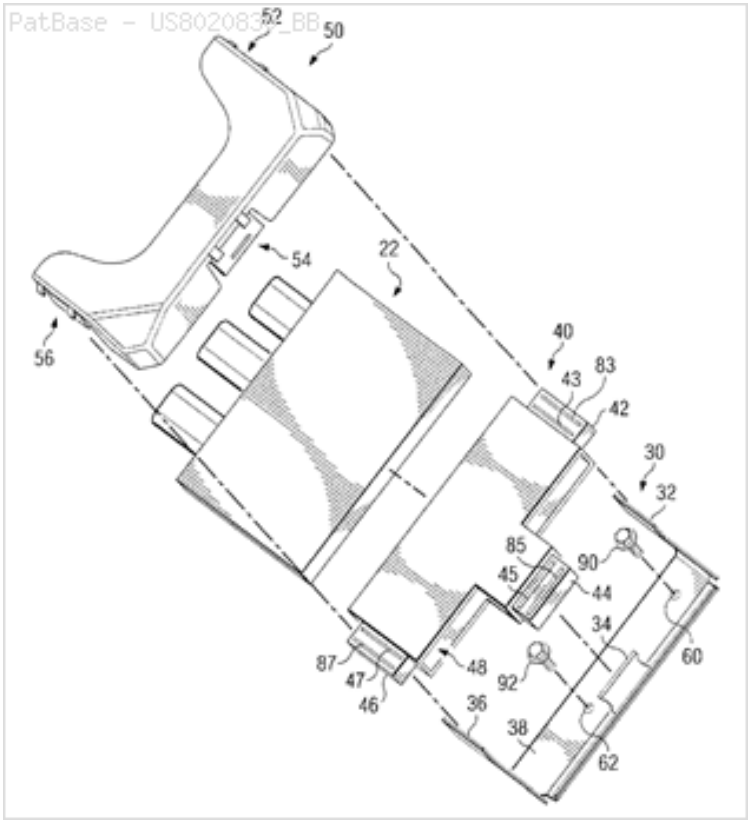
European class: B60R11/02P

US class: 248/218.4 248/225.11 248/225.110P 248/309.1 248/309.100S 248/503

Classification Explorer

Cited documents: USRE36075 E, US7371108 BB, US7113400 BB, US6807060 BB, US6783040 BB, US6600653 BB, US6586674 BB, US6513479 BB, US6390429 BA, US6382174 BA, US6301097 BA, US6247435 BA, US6133531 A, US6062901 A, US6008454 A, US5996543 A, US5675397 A, US5671802 A, US5586907 A, US5536595 A, US5417471 A, US5379970 A, US5208728 A, US5117932 A, US4981243 A, US4957264 A, US4881150 A, US4582157 A, US4531606 A, US3809799 A, US3380698 A, US2009178868 AA, US2009004554 AA, US2009000841 AA, US1607908 A,

Abstract:
Source: US2009272863A A mounting assembly secures an electronic control unit upon a vehicle. The mounting assembly includes a bracket which can be attached to the vehicle's frame. The electronic control unit can be supported by the bracket. In one embodiment, a sleeve can be secured to the bracket and the electronic control unit can be at least partially disposed within a receptacle in the sleeve. In another embodiment, a guard can be secured to the sleeve.



0) US3620184A – CROSS–COUNTRY AMPHIBIOUS UTILITY VEHICLE

83) Family number: 978551 (US3620184A) © PatBase

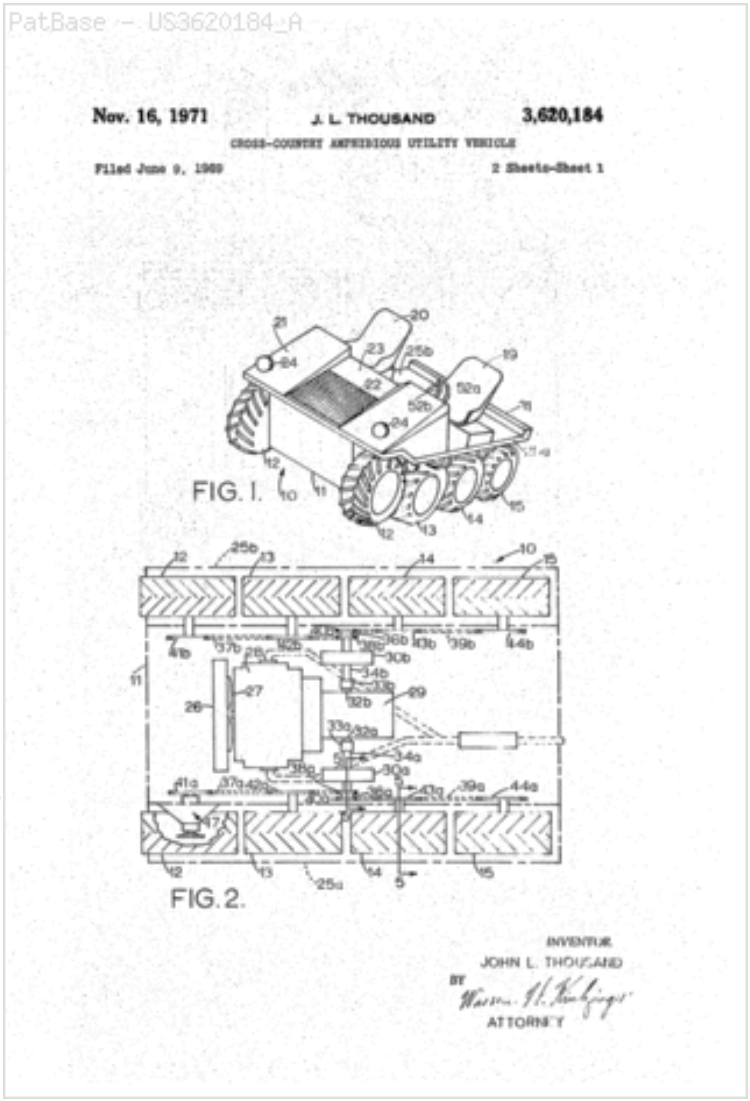
Title:	CROSS–COUNTRY AMPHIBIOUS UTILITY VEHICLE
Priority:	US19690831661 19690609

Family:

Publication number	Publication date	Application number	Application date
US3620184 A	19711116	US19690831661	19690609

Probable Assignee:	JOHN L THOUSAND
Assignee(s):(std)**:**	JOHN L THOUSAND
Inventor(s):(std)**:**	THOUSAND JOHN L
Inventor(s):	JOHN L THOUSAND
International class (IPC 8–9)**:**	B60F3/00 B62D11/10 (Advanced/Invention); B60F3/00 B62D11/06 (Core/Invention)
International class (IPC 1–7)**:**	B60K17/34
CPC:	B60F3/00 B62D11/10
European class:	B60F3/00 B62D11/10
US class:	115/1 440/12.66
Classification Explorer	
Forward Citations:	US6997130, US4846091,

Abstract:
Source: US3620184A 1. In a cross−country vehicle: an enclosed longitudinally front to rear extended body structure having opposite sides; a plurality of vehicle propulsion wheels rotata−bly mounted in a fixed position longitudinally spaced front to rear relation on each of the opposite sides of said body structure in a fixed unsprung suspension system; drive means for each side of the vehicle mechanically inter−linking the plurality of vehicle propulsion wheels; said drive means for each side divided into drive sections operatively connected to différent propulsion wheels of the respective drive sections of the respective sides of the vehicle; prime mover means drive connected through drive train means to said drive means of each side of the vehicle; with said prime mover means, said drive train means, and said drive means at each side for the vehicle propulsion wheels ali protectively enclosed within said body structure; wherein, each of said drive means for each side of the vehicle is divided into a forwardly−extended drive section, and a rearwardly−extended drive section from a common drive shaft in said drive train means for each side extended laterally to rotary drive means driving said drive sections from a common drive center; with propulsion wheels mounted in the forward drive section of the vehicle driven by said forwardly extended drive sections of the respective sides; with propulsion wheels mounted in the rearward drive section of the vehicle driven by said rearwardly extended drive sections of the respective sides; each of said drive sections includes a drive chain driven sprocket at each driven propulsion wheel; with the two drive chains of a side driven by a chain drive sprocket assembly, mounted on the outer end of the respective common drive shaft for that side, as said common drive center for that side of the vehicle; a rotatably mounted wheel spindle is provided for each of said propulsion wheels in a rigidly mounted axle enclosure with the drive chain driven sprocket for each respective propulsion wheel mounted on the inner end of the wheel spindle for that wheel; with a propulsion wheel mounted on the outer end of each of said wheel spindles; bearing support means is provided in each of said rigidly mounted axle enclosures for the wheel spindle rotatably mounted therein; seal enclosure means is provided between said axle enclosures and said wheel spindles outboard from said bearing support means on each said axle enclosure; with said body structure being a substantially water−tight flotation hull; said bearing support means for each of said wheel spindles includes spaced apart inboard and outboard bearing sections; and, provision of air passage means from the air space between the bearing sections supporting each wheel spindle to the interior of the vehicle hull.



0) US2016375757A – ALL–TERRAIN VEHICLE

84) Family number: 64520088 (US2016375757A) © PatBase

Title: ALL–TERRAIN VEHICLE

Priority: US20150751114 20150625

Family:

Publication number	Publication date	Application number	Application date
CA2903511 AA	20161225	CA20152903511	20150903
US2016375757 AA	20161229	US20150751114	20150625

Probable Assignee: POLARIS INC

Assignee(s):(std)**:** POLARIS INC

Assignee(s): BLUMER TODD M ; DANIELSON RONNIE R ; FISCHER BURTON D ; HAUGHEN RYAN L ; POLARIS IND INC ; RODRIGUEZ WILLIAM B ; MAJER KENDALL C ; WILCOX STEVEN D ; PETERSON AMANDA S

Inventor(s):(std)**:** BLUMER TODD M ; DANIELSON RONNIE R ; FISCHER BURTON D ; HAUGEN RYAN L ; HAUGHEN RYAN L ; MAJER KENDALL C ; PETERSON AMANDA S ; RODRIGUEZ WILLIAM B ; WILCOX STEVEN D

Agent(s): SIM AND MCBURNEY

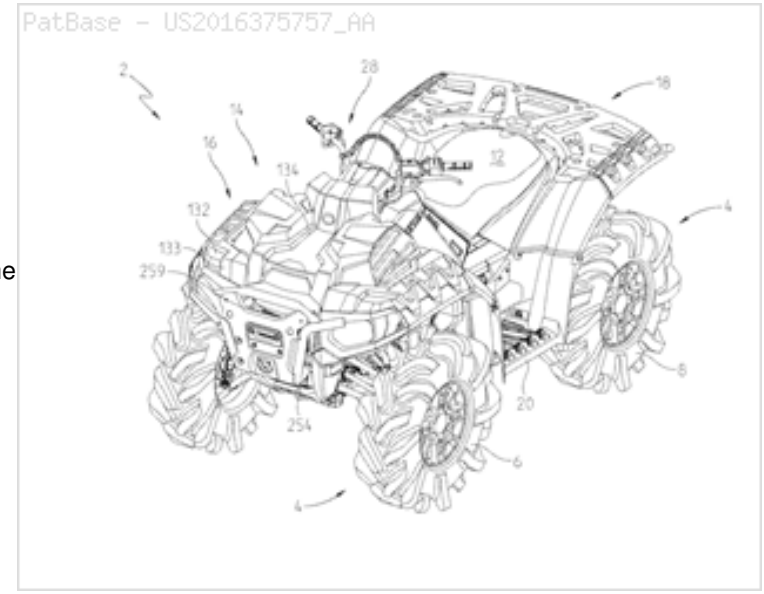
International class(IPC 8–9)**:** B60F5/00 B60K11/04 B60K11/06 B60K11/08 B60K17/00 B60K5/02 (Advanced/Invention)

CPC: B60K11/04 B60K5/02 B60K11/06 B60K2005/003 B60Y2200/20 B60Y2300/19

US class: 180/68.1

Classification Explorer

Abstract:
Source: US2016375757A An all–terrain vehicle ("ATV") includes a plurality of ground engaging members and a frame supported above a ground surface by the plurality of ground engaging members. The frame extends along a longitudinal centerline of the ATV. The ATV further includes an operator seat supported by the frame, an engine supported by the frame, and a continuously variable transmission ("CVT") supported by the frame and operably coupled to the engine. Additionally, the ATV includes a CVT cooling air inlet fluidly coupled to the CVT and positioned forward of a forward end of the operator seat, and a CVT cooling air outlet fluidly coupled to the CVT and positioned forward of the forward end of the operator seat.



0) US2009008920A – ADJUSTABLE REAR FENDER ASSEMBLY

85) Family number: 42777277 (US2009008920A) © PatBase

Title: ADJUSTABLE REAR FENDER ASSEMBLY

Priority: US20070774197 20070706

Family:

Publication number	Publication date	Application number	Application date
US2009008920 AA	20090108	US20070774197	20070706

Probable Assignee: LAIVINS GLEN A

Assignee(s):(std)**:** LAIVINS GLEN A ; LAIVINS KENNETH T

Inventor(s):(std)**:** LAIVINS GLEN A ; LAIVINS KENNETH T

Agent(s): BENESCH FRIEDLANDER COPLAN AND ARONOFF LLP ATTN IP DEPARTMENT DOCKET CLERK

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

CPC: B62J15/00 B62J15/02

European class: B62J15/00 B62J15/02

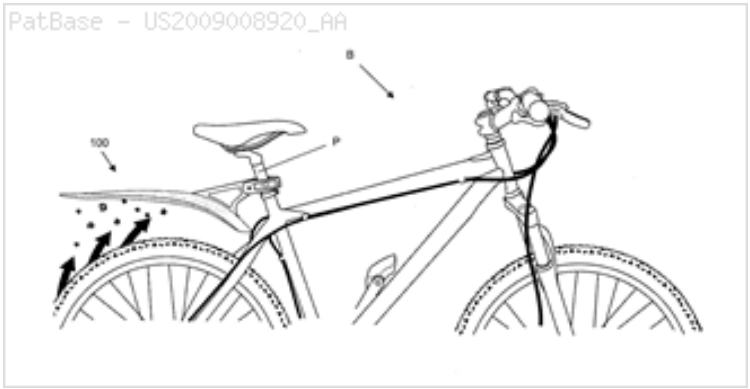
US class: 280/847

Classification Explorer

Cited documents: USD382845 S1, US7431316 BB, US6913274 BB, US6712376 BB, US6659483 BB, US6435533 BA, US6421879 BA, US6199883 BA, US5961136 A, US5954354 A, US5868411 A, US5322311 A, US5121935 A, US5112071 A, US4485884 A, US2004227323 AA,

Forward Citations: US8172246, US2011080019,

Abstract:
Source: US2009008920A A fender assembly for a vehicle is provided. In one embodiment, the fender assembly includes a fender member, a clamp member, and a connecting member. In one embodiment, the connecting member is pivotally connected to the clamp member and detachably connected to the fender member such that the fender member is movable between at least a first position and a second position with respect to the connecting member. The fender assembly further includes a resistance member provided between the connecting member and the clamp member. The resistance member is configured to pivot the connecting member from a first position to a second position when a moment of force is applied to the connecting member above a predetermined threshold. The resistance member is further configured to bias the connecting member back to the first position when a moment of force is below the predetermined threshold.



0) US3213769A – MACHINE FOR SPREADING AND COMPACTING SURFACING ...

86) Family number: 22856328 (US3213769A) © PatBase

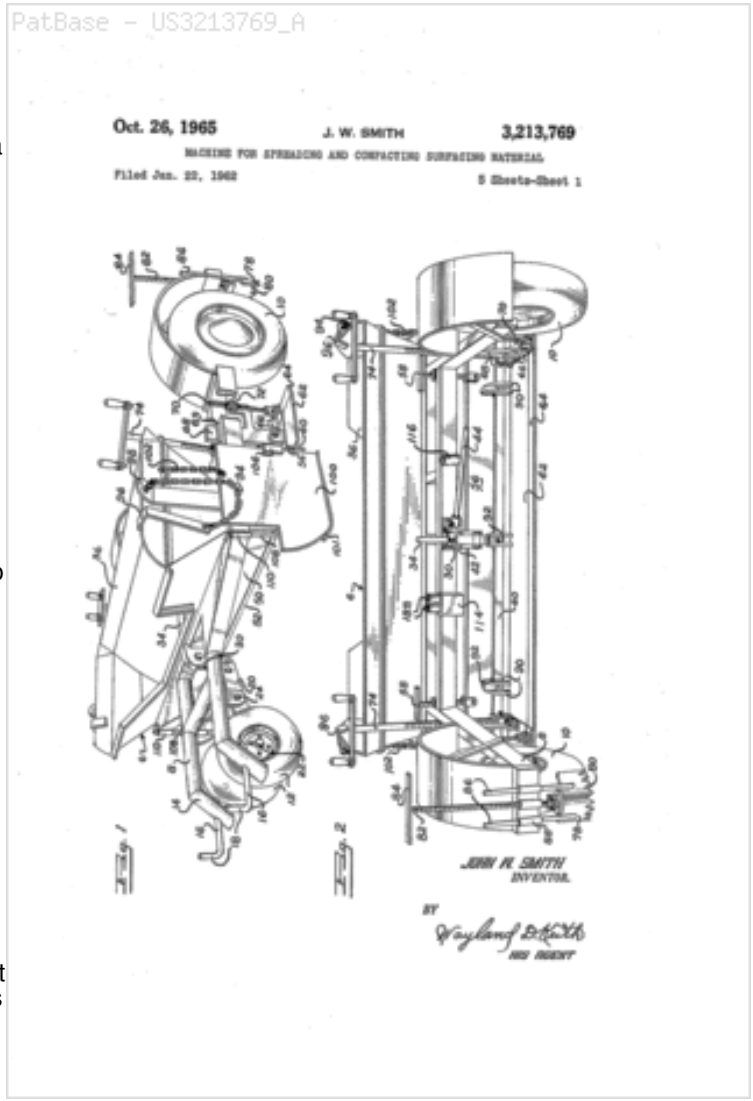
Title:	MACHINE FOR SPREADING AND COMPACTING SURFACING MATERIAL
Priority:	US19620167873 19620122

Family:

Publication number	Publication date	Application number	Application date
US3213769 A	19651026	US19620167873	19620122

Probable Assignee:	WILLIAM SMITH JOHN
Assignee(s):(std)**:**	WILLIAM SMITH JOHN
Inventor(s):(std)**:**	WILLIAM SMITH JOHN
Inventor(s):	SMITH JOHN WILLIAM
International class (IPC 8–9)**:**	E01C19/43 E01C19/48 (Advanced/Invention); E01C19/00 E01C19/22 (Core/Invention)
International class (IPC 1–7)**:**	E01C19/43 E01C19/48
CPC:	E01C19/43 E01C19/4826 E01C19/4873
European class:	E01C19/43 E01C19/48B4 E01C19/48D3
US class:	280/460.1 280/503 404/110
Classification Explorer	
Cited documents:	US2954241 A, US2914995 A, US2874621 A, US2847917 A, US2842036 A, US2762276 A, US2663231 A, US2568445 A, US2479800 A, US2351593 A, US2215455 A, US2197878 A, US2197395 A, US2197183 A, US2109020 A, US2092458 A, US1237406 A,
Forward Citations:	US8602679, US8403594, US7845659, US7771138, US7281721, US5387051, US4871025, US4496265, US4231678, US4194854, US4102590, US3989402, US3743432, US3554100, US3318208, US2013189033, US2010133771, US2007237582, US2006119061, FR2970483, FR2411268, FR2336530, FR2336530,

Abstract:
Source: US3213769A (Claim 1) A machine for spreading and compacting surfacing material onto a strip of terrain, which machine is adapted to be towed by a dump truck, which machine comprises; (a) a wheeled frame, (b) a transverse hopper mounted on said wheeled frame which hopper has a discharge opening formed in the lower end thereof, (1) said opening in said hopper being of the width of the strip of terrain to be surfaced, (c) a chute attached to the lower end of said hopper and being of a width of the opening in the lower end thereof, (1) said chute leading from the lower end of said hopper to a point a spaced distance above the terrain to direct surfacing material from the hopper onto the strip of terrain to be surfaced, (d) a transversely arranged piate mounted on said frame rearwardly of said hopper and extending downward to a spaced distance above the terrain to form a strike−off means to strike off surfacing material discharge from said chute to a predetermined thickness, (e) a single roller compacting means mounted on said wheeled framé transversely thereof rearwardly of said strike−off means, which roller is in compacting contact with the surfacing material discharged onto said strip of terrain and being at least the width of said strip of surfacing material, (f) a beam pivotally mounted on said frame near the forward end thereof, (g) a pair of wheels of said wheeled frame being mounted on the forward end of said pivoted beam for rotation about an axis to support said wheeled frame for movement over the terrain, (h) cable means connected to the rear end portion of said pivoted beam, (i) jack means positioned intermediate said frame and said cable to exert a pulling action on said cable when said jack is moved in one direction to urge said wheels into contact relation with the terrain, and (j) forwardly and upwardly extending bar portions secured to the forward end of said frame and being adapted to engage the lower and forward side of an axle of a towing vehicle to form a draw bar, and to support at least a portion of the weight of the towing vehicle thereon while the machine is moved over the terrain to perform a surfacing and compacting opération.



0) DE3418930A1 – MUSCLE–OPERATED TRANSPORT MEANS OR VEHICLE OR D...

87) Family number: 3756476 (DE3418930A1) © PatBase

Title:	MUSCLE–OPERATED TRANSPORT MEANS OR VEHICLE OR DRIVE UNIT
Priority:	DE19843418930 19840521

Family:

Publication number	Publication date	Application number	Application date
DE3418930 A1	19851128	DE19843418930	19840521

Probable Assignee:	MOBIK SPORTGERAETE VERTRIEBS G
Assignee(s):(std)**:**	MOBIK SPORTGERAETE VERTRIEBS G
Assignee(s):	MOBIK SPORTGERAETE VERTRIEBS GES MBH ; MOBIK SPORTGERAETE VERTRIEBS GESELLSCHAFT MBH
Inventor(s):(std)**:**	KOESTER JUERGEN
Inventor(s):	KOESTER JUERGEN DIPL WIRTSCH ING DR ; KOESTER JUERGEN DIPL WIRTSCH INGDR
International class (IPC 8–9)**:**	B62B13/18 B62K13/00 B62K13/02 B62K15/00 B62K5/00 B62K5/02 B63B35/79 (Advanced/Invention)
International class (IPC 1–7)**:**	B62K15/00
CPC:	B63H16/20 B63H2016/207 B62B13/18 B62K5/00 B62K13/02 B62K15/00 B62K2015/001 B63B35/795
European class:	B62B13/18 B62K13/02 B62K15/00 B62K5/00 B63B35/79T B63H16/14 L62K15/00B L63H16/20P
Classification Explorer	
Cited documents:	US4440414 A, US3854755 A, DE8133605 U, DE3212783 A1, DE3112768 A1, DE2009244 A1, DE1976103 U,
Forward Citations:	WO9007449, WO14023897, US4995626, FR2994157, FR2777854, EP1193170, EP0378362, DE4200885,

Abstract:
Source: DE3418930A1 Muscle−operated transport means or vehicle with two or more at least 27" running wheels, which transport means or vehicle can be composed of a plurality of components and can be disassembled, the components being connected to one another by means of connecting elements in such a way that they can be dismantled quickly and without difficulty and as frequently as desired into at least five components, including two identical wheels. After dismantling, the device can be stowed in a very small space, for example in a carrying bag. The components are interchangeable so that the vehicle can be adapted to various applications and ground conditions; the design is sufficiently stable so that auxiliary drives can be attached without reducing the roadworthiness.

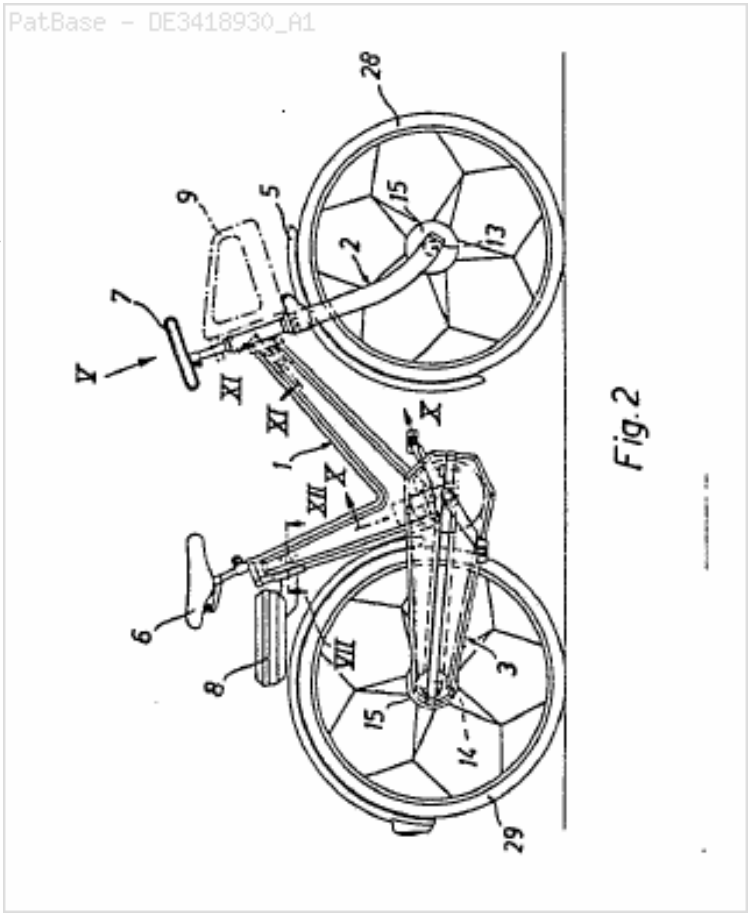


Fig.2

0) US5794976A – SAFETY SHIELD FOR ALL TERRAIN VEHICLES

88) Family number: 11086953 (US5794976A) © PatBase

Title:	Safety shield for all terrain vehicles
Priority:	US19950581241 19951229

Family:

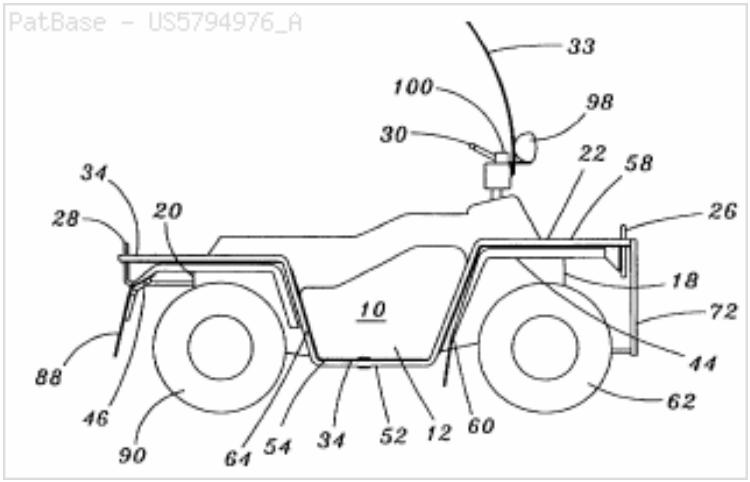
Publication number	Publication date	Application number	Application date
US5794976 A	19980818	US19950581241	19951229

Probable Assignee:	STEVICKS ROY A
Assignee(s):	STEVICKS ROY A
Inventor(s):(std)	STEVICKS ROY A
International class (IPC 8–9)	B60Q1/00 B60R19/52 B62J27/00 B62K5/00 (Advanced/Invention)
International class (IPC 1–7)	B60R19/00 B60R3/00
CPC:	B60Q1/0005 B60R19/52 B62J15/00 B62J17/00 B62J27/00 B62K5/01
European class:	B60Q1/00 B60Q1/00A B60R19/52 B62J15/00 B62J17/00 B62J27/00 B62K5/01
US class:	280/770 280/847 280/848 293/115 293/126

Classification Explorer

Cited documents:	US5531478 A, US5509717 A, US5477209 A, US5277465 A, US5203601 A, US5174622 A, US5062675 A, US5036939 A, US4973082 A, US4950017 A, US4852900 A, US4813706 A, US4798399 A, US4728121 A, US4657294 A, US4655307 A, US4247030 A, US4176771 A, US4168855 A, US4102432 A, US3704031 A, US2906359 A, US1863475 A, US1749453 A, US1713405 A, US1517323 A, US1486660 A, US1457259 A, US1427763 A, US1290958 A, DE378344 A,
Forward Citations:	USD690243, US9403570, US8668227, US8474847, US8342549, US8297394, US8196692, US8028781, US7967359, US7624835, US7607673, US7513545, US7506714, US7377549, US7325848, US7258192, US6755269, US6554306, US6505884, US6502863, US6460907, US6224134, US2015021883, US2010264636, US2009250282, US2008185864, US2008067825, US2007278026, US2007080548, US2005167179, US2004206568, CN104325851, CN103895714, CN103895714,

Abstract:
Source: US5794976A A protective assembly for all terrain vehicles comprising a front end protector dimensioned to protect substantially all of the front end. It also comprises side rails having front and back ends which are parallel to and spaced away from the sides of the all terrain vehicle which tubular side rails are shaped to receive and have mounted thereon auxiliary front and rear fenders. There is also present a debris deflecting running board. Optional features are rear wheel mud guards and a high intensity light mounted on the steering assembly and a flood light on the rear of the vehicle.



0) US2004262948A – EQUIPMENT–HAULING EXPANDABLE SHELTER

89) Family number: 30507958 (US2004262948A) © PatBase

Title: EQUIPMENT–HAULING EXPANDABLE SHELTER

Priority: US20020315829 20021209 US20040827937 20040419 WO2003US37814 20031126

Family:

Publication number	Publication date	Application number	Application date
AU2003298709 AA	20040630	AU20030298709	20031126
AU2003298709 AH	20040630	AU20030298709	20031126
US2004262948 AA	20041230	US20040827937	20040419
US6722726 BA	20040420	US20020315829	20021209
US7017975 BB	20060328	US20040827937	20040419
WO04052679 A2	20040624	WO2003US37814	20031126
WO04052679 A3	20050310	WO2003US37814	20031126

Probable Assignee: PARMER LIVING TRUST DATED APRIL 20 2007

Assignee(s):(std)**:** PARMER JAMES D ; PARMER JIM

Assignee(s): PARMER LIVING TRUST DATED APRIL ; PARMER LIVING TRUST DATED APRIL 20 2007

Inventor(s):(std)**:** JIM PARMER ; PARMER JAMES D ; PARMER JIM

Agent(s): BOOTH UDALL PLC

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 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 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 (IPC 8–9)**:** B60P3/06 B60P3/34 B60P3/35 B60P3/363 B60P3/367 (Advanced/Invention); B60P3/06 B60P3/32 (Core/Invention)

International class (IPC 1–7)**:** B60P3/34 B60P3/35 B60P3/363 B60P3/367

CPC: B60P3/06 B60P3/341

European class: B60P3/06 B60P3/34B

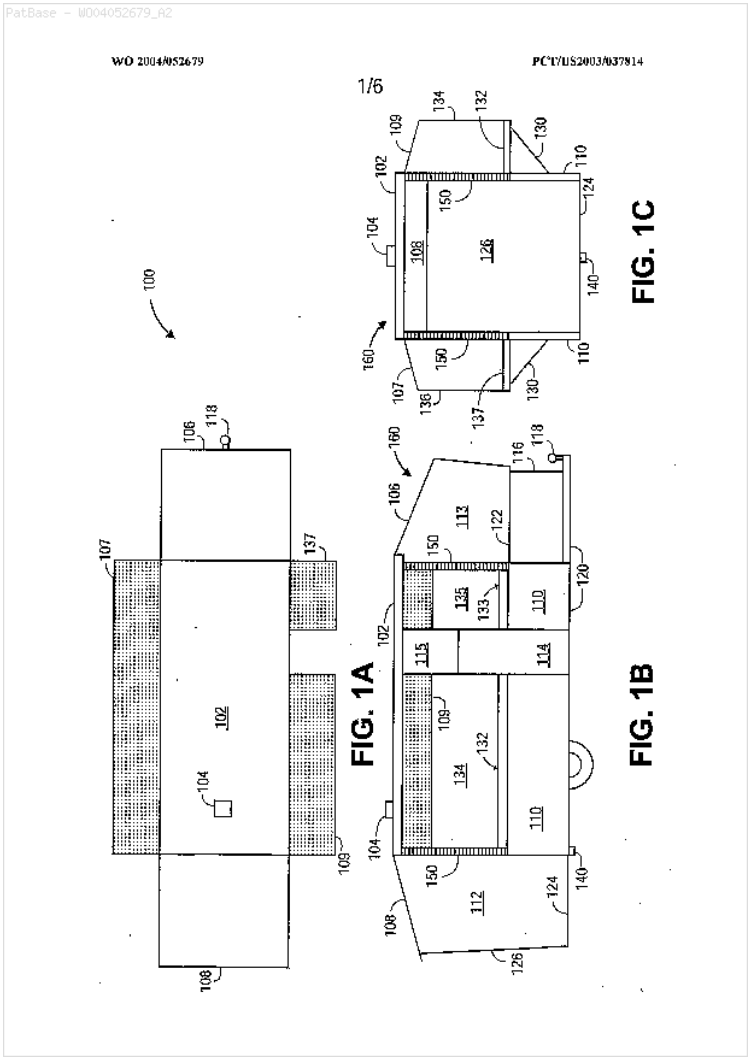
US class: 296/157 296/158 296/168 296/173 296/26.02

Classification Explorer

Cited documents: USD249667 S1, US6712414 BB, US6712414 BA, US6712414 B1, US6481941 BB, US6481941 BA, US6481941 B1, US6402446 BA, US6283536 BA, US6170502 BA, US6170502 B1, US6164882 A, US6135532 A, US6017080 A, US5314200 A, US4869545 A, US4854631 A, US4072337 A, US4060036 A, US3961716 A, US3909057 A, US3902613 A, US3845980 A, US3784248 A, US3448875 A, US3397006 A, US3193321 A, US3179462 A, US3144150 A, US3116949 A, US3070850 A, US3053563 A, US2912274 A, US2847136 A, US2676839 A, US2543349 A, US2541288 A, US2167557 A, US2155582 A, US1964894 A, US1857081 A, US1826480 A, US1750128 A, US1596924 A, US1568895 A, US1501790 A, US1476051 A, US1461574 A, US1437172 A, US1422498 A,

Forward Citations: WO12135809, WO06050387, USD710262, USD662856, US9550443, US9205881, US9132764, US8770422, US8746778, US8720125, US8622454, US8622066, US8449010, US8439426, US8267455, US8205399, US8079633, US7967369, US7810866, US7789452, US7654609, US7644971, US7418802, US7396064, US7347476, US7258390, US7246844, US7178857, US7114896, US7114896, US7036863, US7014238, US6983980, US6981826, US2013241176, US2011254306, US2011210577, US2011132421, US2011107690, US2011057474, US2011025101, US2011023864, US2011023863, US2010327623, US2009007948, US2009001756, US2008036174, US2007107321, US2006220410, US2006158004, US2006113813, US2006091698, US2006045645, US2006033358, US2006022481, US2006008343, US2005253417, US2005225116, US2005194807, US2005135894, US2005074318, KR100802102, EP1819548, DE202015003634, AU2010202803,

Abstract:
Source: US2004262948A A versatile equipment–hauling expandable shelter is disclosed configured to both provide shelter and store, transport, and launch equipment, such as motorized toys, military equipment, tools, and the like. The equipment–hauling expandable shelter includes a chassis and a shelter attached to the chassis, such as one of a tent, a container, and a cover. The shelter is configured to be stowed on the chassis at a small exterior profile size with a maximum equipment/storage volume and erected on or around the chassis into a spacious shelter with more than double the volume of the equipment/storage volume. The center roof section rises automatically by lift assemblies to provide adequate head room for standing. Drop assemblies allow for solid/sealed wheel fenders and solid inner side panel extensions which in turn provide for a continuous floor and ramps. Portable interior components provide changeable/versatile interior configurations.



0) FR2281241A – VEHICULES TOUS TERRAINS UNIVERSAL TERRAIN WHEE...

90) Family number: 3395295 (FR2281241A) © PatBase

Title: VEHICULES TOUS TERRAINS UNIVERSAL TERRAIN WHEELED VEHICLE – WITH TWO AXLES CHAIN DRIVEN IN SYNCHRONISM, INFLATABLE FLOATS AND PADDLES TO FIT ON WHEELS

Priority: FR19740004266 19740208 FR19740027405 19740807

Family:

Publication number	Publication date	Application number	Application date
FR2260462 A1	19750905	FR19740004266	19740208
FR2260462 B1	19770909	FR19740004266	19740208
FR2281241 A2	19760305	FR19740027405	19740807
FR2281241 B2	19780324	FR19740027405	19740807

Probable Assignee: PARET PAUL

Assignee(s):(std)**:** PARET PAUL

Assignee(s): PARET PAUL FR

International class (IPC 8–9)**:** B60F3/00 (Advanced/Invention); B60F3/00 (Core/Invention)

International class (IPC 1–7)**:** B60F3/00 B60F5/00 B62D63/02

CPC: B60F3/0038 B60F3/00

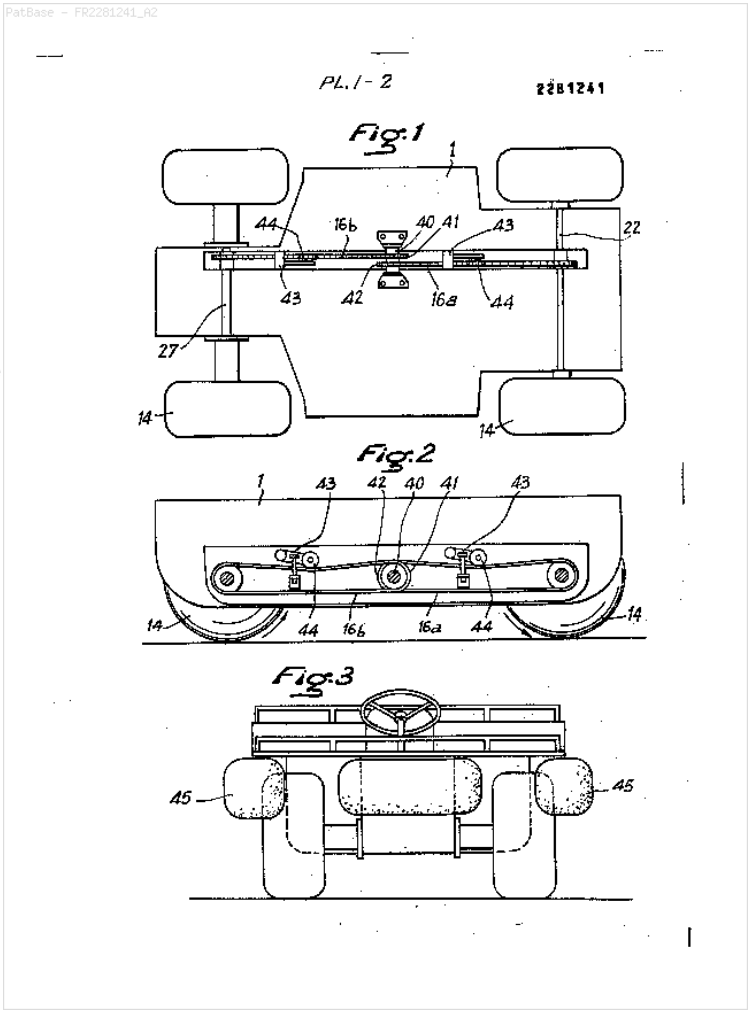
European class: B60F3/00 B60F3/00C2

Classification Explorer

Cited documents: US2979016, FR2138583, FR2004962, FR1599326, FR1539186, FR1535105, FR1535105, FR1499238, FR1476020, FR1285245, DE1037899,

Forward Citations: FR2653713, FR2537507, FR2455996,

Abstract:
Source: FR2281241A The vehicle is as in the parent patent, having the two motored axles (27) (22) driven in synchronism by two chains (16b) (16a) and a pinion keyed to each shaft and chain pinions (41) (42) on a shaft (40) between the two axles. This shaft is placed equidistant between the two shafts so that the chains are of equal length. The vehicle also has additional floats and these are rigid and water tight. As a variation, the floats can be inflatable, easily stowed when deflated. Similar floats may be placed at the front and at the rear of the vehicle, these are inflatable type. Paddles may be fitted to the wheels to improve propulsion in water.



0) US4247030A – RACK FOR ALL TERRAIN VEHICLE

91) Family number: 8065709 (US4247030A) © PatBase

Title: RACK FOR ALL TERRAIN VEHICLE

Priority: US19790103993 19791217

Family:

Publication number	Publication date	Application number	Application date
US4247030 A	19810127	US19790103993	19791217

Probable Assignee: AMACKER INC

Assignee(s):(std)**:** AMACKER INC

Assignee(s): AMACKER JOSEPH A ; BRELL MAR PRODUCTS INC ; PREMIER BANK NATIONAL ASSOCIATION ; PREMIER BANK NATIONAL ASSOCIATION PO BOX

Inventor(s):(std)**:** AMACKER JOSEPH A

International class (IPC 8–9)**:** B60R9/00 (Advanced/Invention); B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60R9/00 B62D61/08

CPC: Y10S224/913 B60R9/00

European class: B60R9/00

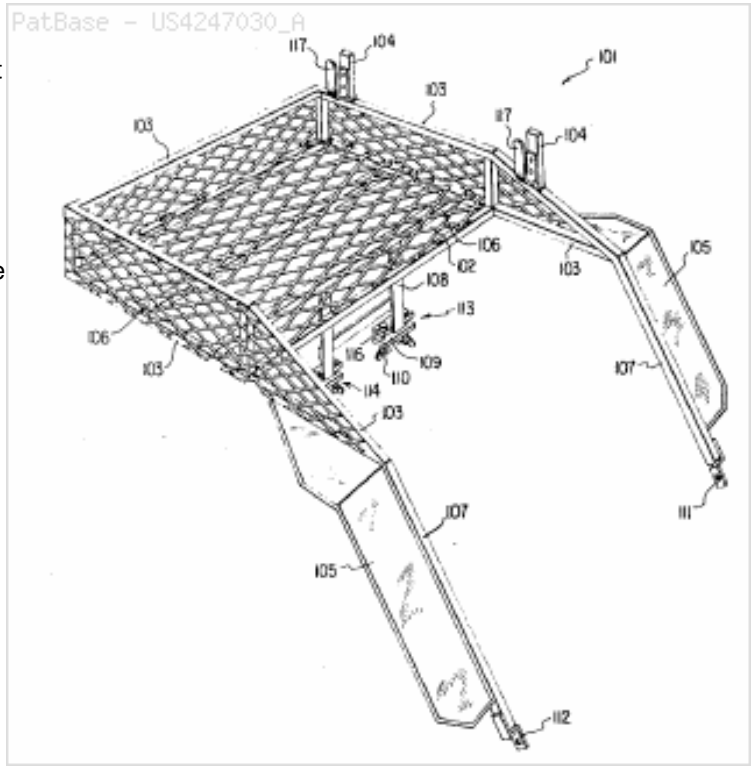
US class: 180/210 224/273 224/401 224/526 224/528 224/530 224/913 280/160 280/769 280/848 297/243 D12/126 D12/85 D12/87

Classification Explorer

Cited documents: US650335 A, US578128 A, US553614 A, US4176771 A, US3776353 A, US2870820 A, US2442889 A, US2425892 A, US2158618 A, US1473956 A, US1382942 A, US1178649 A, US1004975 A, GB190611068 A, GB182335 A, GB156276 A,

Forward Citations: WO08064200, USD713775, USD480991, USD440538, US9199582, US9168875, US9132867, US8925965, US8297394, US8226065, US8196692, US8146944, US7802709, US7600480, US7506714, US7258192, US7128341, US7121371, US7100808, US7066366, US6968917, US6929223, US6820781, US6705680, US6659566, US6502728, US6457618, US6425510, US6378748, US6145718, US6142349, US5794976, US5706990, US5174622, US4826057, US4505411, US4300706, US2017050578, US2013069354, US2011133438, US2010213695, US2009250282, US2008115705, US2007278026, US2007273135, US2006000860, US2005258207, US2005247506, US2005045681, US2004252926, US2004251288, US2004206568, US2004135342, US2004134707, US2004129485, US2004129484, US2004113389, US2004113041, US2004112658, US2004108158, US2004050846, US2003102694, US2002053628,

Abstract:
Source: US4247030A The invention relates to a rack for a vehicle. The rack comprises a seat for holding goods or a person and side walls for containing the goods or the person on the seat. Carriers for a gun or the like are connected to the side walls. A device is also connected to the side walls for allowing the person to rest his or her leg thereon and also for guarding rear tires of the vehicle from having mud and the like splashed thereon. The rack is mounted to and, preferably, used in combination with an all−terrain type of vehicle.



0) US5076599A – CONVERTIBLE STROLLER AND TRAILER COMBINATION

92) Family number: 4886335 (US5076599A) © PatBase

Title: Convertible stroller and trailer combination

Priority: US19900590146 19900928

Family:

Publication number	Publication date	Application number	Application date
US5076599 A	19911231	US19900590146	19900928

Probable Assignee: HLR INC

Assignee(s):(std)**:** HLR INC

Assignee(s): HLR INC A CORP OF CO

Inventor(s):(std)**:** HRUBY JAMES T ; LOCKETT DENNIS ; ROTH JOHN G

International class (IPC 8–9): B62B7/12 B62K27/00 (Advanced/Invention); B62B7/04 (Advanced/Non–invention)

International class (IPC 1–7): B62K27/00

CPC: B62B7/044 B62B7/12 B62B7/126 B62K27/003 B62K27/02

European class: B62B7/12 B62B7/12T B62K27/00 B62K27/00B B62K27/02 L62B7/04D

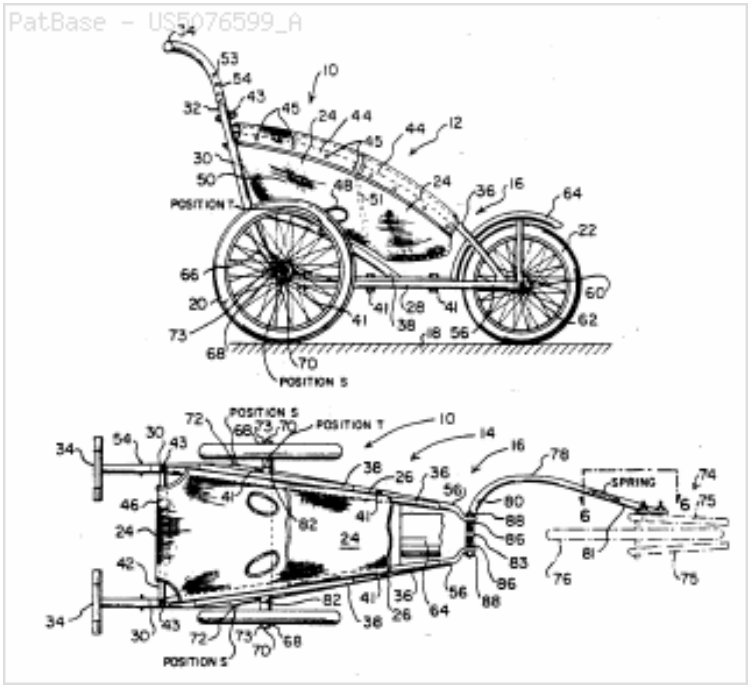
US class: 280/204 280/32.7 280/47.18 280/47.25 280/62 280/643 280/657 D12/129 D34/026 D34/26

Classification Explorer

Cited documents: US4953880 A, US4848780 A, US4729574 A, US3887208 A, US2798727 A, US241148 A, SE152970 C1, FR967288 A,

Forward Citations: WO9301966, WO08107698, WO08107698, WO02094633, US8695992, US8585071, US8262103, US8251457, US8220822, US7832757, US7766359, US7748728, US7690675, US7614641, US7431324, US7404569, US7188858, US7172206, US7125081, US7029018, US7017938, US6938906, US6705628, US6688622, US6572122, US6497422, US6488291, US6464238, US6443472, US6364326, US6270093, US6237924, US6209892, US6196572, US6155579, US6145855, US6056306, US6022031, US6017051, US5984332, US5975559, US5913533, US5882021, US5823548, US5743552, US5695208, US5683096, US5624128, US5611560, US5599033, US5562300, US5522614, US5468009, US5460399, US5460395, US5421597, US5364119, US5356171, US5350184, US5344171, US5318318, US5308096, US5301963, US5267744, US5265891, US5261683, US5259634, US5248158, US5224720, US5176395, US2010244517, US2010044984, US2009206566, US2009184488, US2009026817, US2008143076, US2007018432, US2007001430, US2006108766, US2005166861, US2005120522, US2005017469, US2004169353, US2004155428, US2004130118, EP2075185, EP1398262, EP1373049, DE10242198, DE10242198, DE10242198, DE102004025292,

Abstract:
Source: US5076599A A convertible combined stroller and trailer which can be changed from a stroller mode to a trailer mode and vice versa. When the vehicle is in either the stroller mode or trailer mode it includes a flexible seat for one or more passenger. When used in a stroller mode, rear wheels are attached to the opposite sides of the rear of the frame at a position called "Position S" and front wheels are attached to the opposite sides of the front of the frame. At this position the load on the frame is distributed evenly on the rear wheels and on the front wheel. When the vehicle is in a trailer mode the front wheels are removed, the rear wheels are moved from the "Position S" to a position forward and upward on the sides of the frame called "Position T", and one end of a tow bar is attached to the front of the vehicle frame. Another end of the tow bar is attached to the rear of a towing vehicle, such as a bicycle frame. In the trailer mode the load on the frame is evenly distributed on the rear tires, while the front of the frame and tow bar carry very little load. This is due to the face that the center of gravity of the trailer is closer to a ground surface for improved stability when operating in various types of terrain and during sharp turns.



0) USD584206S – FRONT FENDER OF AN AUTOMOBILE

93) Family number: 42773491 (USD584206S) © PatBase

Title: FRONT FENDER OF AN AUTOMOBILE

Priority: US20070274469F 20070426

Family:

Publication number	Publication date	Application number	Application date
CA122804 S	20081028	CA20070122804F	20071023
CN300896633 D	20090325	CN200730151844F	20071026
USD584206 S1	20090106	US20070274469F	20070426

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** CHAN MIKE ; MIKAMI TAKAO ; YAMAZUMI HIDEAKI

Agent(s): MARKS AND CLERK; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

US class: D12/184

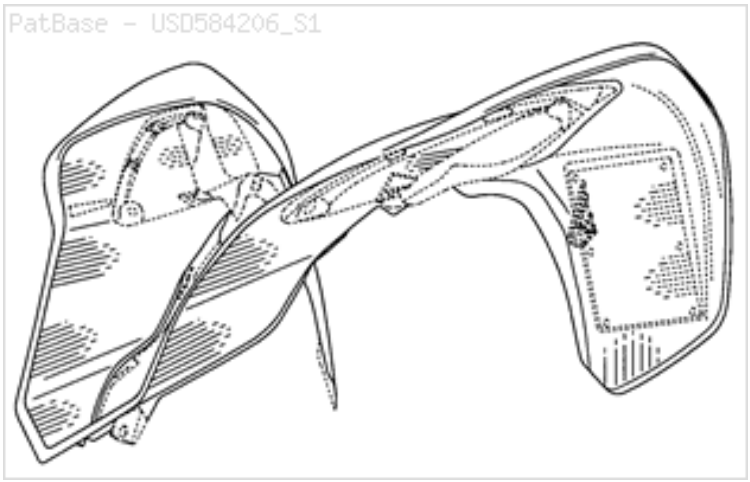
Locarno class: 12/16

Classification Explorer

Cited documents: USD542199, USD536289, USD508667, USD469046, CA122805 S, CA122803 S,

Forward Citations: USD690638, CA122805, CA122803,

Abstract:
Source: USD584206S The ornamental design for, a front fender of an automobile, as shown and described.



0) CA2683623A – LEG COVER APPARATUS FOR AN ALL TERRAIN VEHICLE ...

94) Family number: 48944052 (CA2683623A)

© PatBase

Title: LEG COVER APPARATUS FOR AN ALL TERRAIN VEHICLE

Priority: CA20092683623 20091104

Family:

Publication number	Publication date	Application number	Application date
CA2683623 AA	20110504	CA20092683623	20091104

Probable Assignee: NICHOLSON ANGELO

Assignee(s):(std)**:** NICHOLSON ANGELO

Inventor(s):(std)**:** NICHOLSON ANGELO

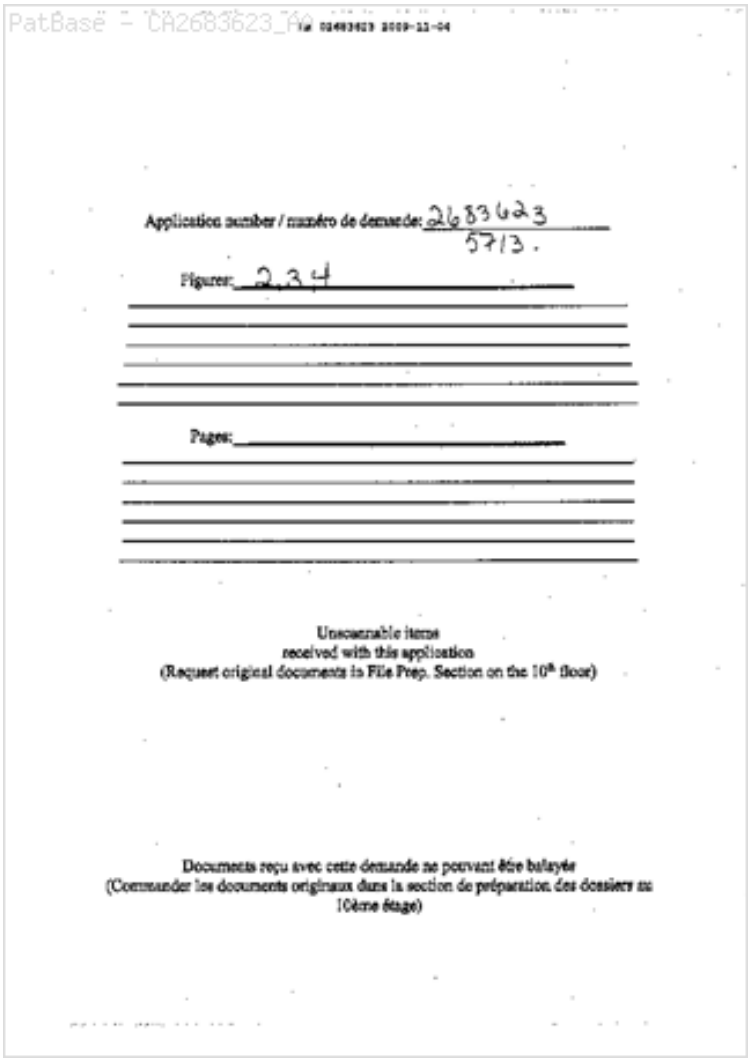
International class (IPC 8–9): A41D1/08 A41D13/00 B60N99/00 (Advanced/Invention)

CPC: B60N2/6009 B60N99/00

European class: B60N2/60B B60N99/00

Classification Explorer

Abstract:
Source: CA2683623A A detachable all terrain vehicle leg cover which provides heat and protection to the riders legs by trapping the heat generated from the engine during motor operation. The cover encloses the area between the rider compartment and the body of the vehicle by covering the top of the riders legs around the waist and downwards on opposite sides of the legs extending down to the floorboards of the vehicle. The cover is connectable to the body of the vehicle by a shape fit and separable fastening elements, thus facilitating simple removal and reinstallation of the cover and keeping the cover in place.



0) US6403692B – FILLED THERMOPLASTIC COMPOSITION

95) Family number: 23356355 (US6403692B) © PatBase

Title: Filled thermoplastic composition

Priority: US20010838476 20010419 WO2002US08607 20020318

Family:

Publication number	Publication date	Application number	Application date
BRPI0209130 A	20040608	BR2002PI09130	20020318
CA2444431 AA	20031014	CA20022444431	20020318
CA2444431 C	20070821	CA20022444431	20020318
CN1274743 C	20060913	CN20028008304	20020318
CN1503820 A	20040609	CN20028008304	20020318
EP1395631 A1	20040310	EP20020764146	20020318
JP2004529240 T2	20040924	JP20020583498T	20020318
JP4000063 B2	20071031	JP20020583498T	20020318
KR20040012756 A	20040211	KR20037013573	20031017
MXPA03009517 A1	20040524	MX2003PA09517	20020318
TW200821346 A	20080516	TW20070151053	20020327
TWI302157 B	20081021	TW20020106075	20020327
US6403692 BA	20020611	US20010838476	20010419
WO02085972 A1	20021031	WO2002US08607	20020318
ZA200307633 A	20040930	ZA20030007633	20030930

Probable Assignee: DOW GLOBAL TECHNOLOGIES INC

Assignee(s):(std)**:** DOW GLOBAL TECHNOLOGIES INC

Assignee(s): NOVAK LEO R ; TRAUGOTT THOMAS D ; DOW CHEMICAL CO

Inventor(s):(std)**:** NOVAK L R ; NOVAK LEO R ; NOVAK T D TRAUGOTT L R ; LEO R NOVAK ; THOMAS D TRAUGOTT ; TRAUGOTT T D ; TRAUGOTT THOMAS D

Inventor(s): TD TRAUGOTT LR NOVAK ; R LEO R NOVAK ; D THOMAS D TRAUGOTT ; L R NOVAK ; LR NOVAK ; T D TRAUGOTT ; T D TRAUGOTT L R NOVAK ; TD TRAUGOTT

Agent(s): SMART AND BIGGAR

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 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 UZ YU ZA ZM ZW

International class (IPC 8–9): A43B1/14 B60R19/03 C08K3/00 C08K3/34 C08K7/00 C08L23/08 C08L23/10 C08L23/12 C08L23/14 (Advanced/Invention); C08L23/08 (Advanced/Non–invention); A43B1/00 B60R19/03 C08K3/00 C08L23/00 (Core/Invention)

International class (IPC 1–7): A43B1/14 B60R19/03 C08F110/06 C08K3/00 C08L23/02 C08L23/10

CPC: C08K3/0008 C08K2201/014 C08L23/0815 C08L23/12 C08L23/142 C08L2314/06

European class: C08K3/00P C08L23/12 C08L23/14A M08K201/014 M08L23/08A1 M08L314/06

US class: 524/413 524/425 524/445 524/447 524/449 524/451 524/492 524/494 524/495 524/497 525/240

Classification Explorer

Cited documents: WO9007526 A1, US6284830 BA, US5712333 A, US5416148 A, US5278272 A, US5272236 A, US5194509 A, US5091461 A, US5055438 A, US4960816 A, US4937301 A, US4937299 A, US4935397 A, US4798081 A, US4740538 A, US4701432 A, US4626557 A, US4528303 A, US3903234 A, US3645992 A, US3424703 A, US3236917 A, JP7316410 A2, JP57017429, JP48088790, EP0639613 A1, EP0391413 A2,

EP0260299 A1, EP0129368 B1,

Forward Citations: WO16205192, WO09122487, WO09049829, WO09042643, WO08085649, WO08079998, WO08021592, WO07024541, WO07002436, WO07002435, WO04078445, WO04078445, US9187631, US8703030, US8686088, US8674028, US8529821, US8513347, US8466205, US8389615, US8387286, US8338540, US8304496, US8283399, US8217112, US8211968, US8192813, US8129465, US8128780, US8080607, US8003725, US7998579, US7985801, US7875670, US7862671, US7820728, US7741398, US7714057, US7652094, US7652093, US7652092, US7632887, US7622523, US7619027, US7619026, US7531594, US7459492, US7296847, US7077460, US6734253, US2013245173, US2011065855, US2011054106, US2010228214, US2010210780, US2010204381, US2010156058, US2010093937, US2010016482, US2009215949, US2009105404, US2009093576, US2008113146, US2008045645, US2007289162, US2007167575, US2007037914, US2007037913, US2006205863, US2006189763, US2006189744, US2006068185, US2004229977, US2004175563, US2004106723, US2004014891, RU2508303, KR101458235, KR101355801, KR101308165, KR101257967, KR101042339, KR100799262, JP2011503367, JP2010515603, JP2010514857, JP2010501037, JP2009504882, JP2009035591, JP2008546891, JP2008544071, EP2248853, EP1644437, EP1620501, EP1620501, EP1620501, DE102010003618, CN101506294, AU2006261995,

Abstract:
Source: US6403692B A filled thermoplastic composition having improved combinations of processability, stiffness and toughness which demonstrates improved scuff resistance in extruded or molded articles is prepared by admixing a thermoplastic polymer, an uncalcined filler and a calcined filler.

0) US2013203333A – AGRICULTURAL VEHICLE CAB FITTED WITH AN HVAC SY...

96) Family number: 50433900 (US2013203333A) © PatBase

Title: AGRICULTURAL VEHICLE CAB FITTED WITH AN HVAC SYSTEM

Priority: EP20110728284 20110630 IT2010TO00569 20100702 WO2011EP60997 20110630

Family:

Publication number	Publication date	Application number	Application date
CN102958721 A	20130306	CN201180032158	20110630
CN102958721 B	20160127	CN201180032158	20110630
DE602011015035 D1	20150507	DE201160015035T	20110630
EP2588333 A1	20130508	EP20110728284	20110630
EP2588333 B1	20150325	EP20110728284	20110630
IN00767CN2013 A	20160520	IN2013CN00767	20130130
IT1401209 B1	20130712	IT2010TO00569	20100702
ITTO20100569 A1	20120103	IT2010TO00569	20100702
RU2013104406 A	20140810	RU20130104406	20110630
RU2566163 C2	20151020	RU20130104406	20110630
US2013203333 AA	20130808	US20110805364	20110630
WO12001095 A1	20120105	WO2011EP60997	20110630

Probable Assignee: CNH INDUSTRIAL AMERICA LLC

Assignee(s):(std)**:** AMURA MARIO ; BUGEJA PIERRE ; CADALORA ALESSIO ; CNH AMERICA LLC ; CNH IND ITALIA S P A ; CNH ITALIA SPA ; SALVINI TIZIANO ; STANZANI LORENA ; CNH IND ITALIA SPA ; SIEHNEHJCH ITALIJA SPA

Assignee(s): CNH INDUSTRIAL AMERICA LLC ; CNH INDUSTRIAL ITALIA SPA ; CNH ITALIA S P A

Inventor(s):(std)**:** AMURA MARIO ; BUGEJA PIERRE ; CADALORA ALESSIO ; SALVINI TIZIANO ; SALVINITIZIANO ; STANZANI LORENA ; STANTSANI LORENA ; SAL VINI TITSIANO ; KADALORA ALESSIO ; BUDZHEJA P ER

Agent(s): PATENTANWAELTE WALLACH KOCH DR HAIBACH FELDKAMP; CNH IP DEPARTMENT; CNH INDUSTRIAL IP DEPARTMENT; BOYDENS KRIS

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): B60H1/00 B60H1/24 B60H1/26 B60H3/06 (Advanced/Invention)

CPC: B60H1/00378 B60H1/242 B60H1/262 B60H3/0608 B60H2001/00242

European class: B60H1/00H3 L60H1/00A3K

US class: 454/137 454/152 454/156 454/158 454/161

Classification Explorer

Cited documents: WO10066877 A1, US7377848 BB, US6715540 BB, US6409254 BB, US6398294 BA, US6282911 BA, US6101828 A, US5119718 A, US4669564 A, US4612975 A, US4531453 A, US4467706 A, US4344356 A, US4300720 A, US2014209269 AA, US2008245501 AA, US2008066480 AA, US2006118290 AA, US2006046634 AA, SU1411162, JP7205639 A2, JP11291750 A2, GB2417440 A1, DE2212016 A1, CN200996157 Y, CN101668901 A, CN101547809 A,

Forward Citations: US9616850, US9487075, US2014087647, US2013244561, US2012009860, EP3109075, EP2915686,

Abstract:
Source: US2013203333A A cab of an agricultural vehicle has having a seat for an operator and a console unit arranged forward of the seat for housing an instrument display. The cab is fitted with an HVAC system comprising a heat exchanger unit located within the console unit and a blower located on the floor of the cab beneath or adjacent the seat and serving to blow air by way of a floor–level duct to the heat exchanger unit.

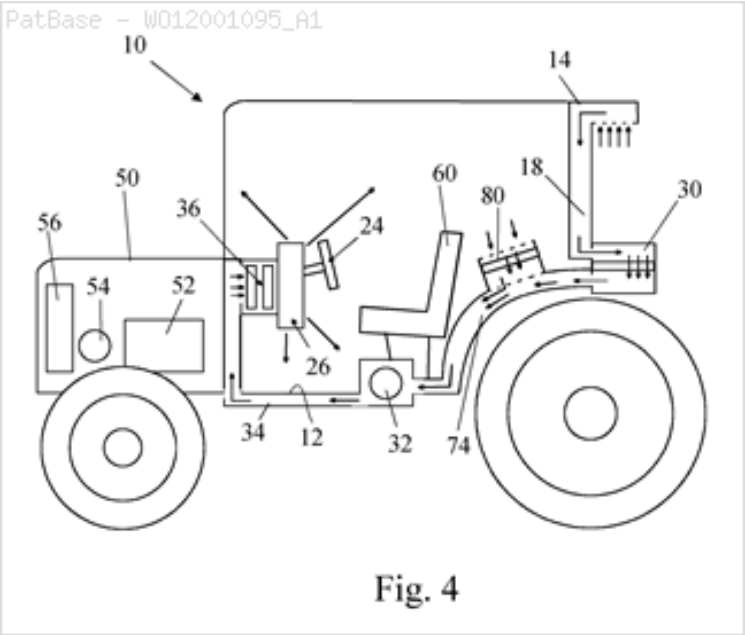


Fig. 4

0) CA2343710A – REMOVABLE AIR DEFLECTORS FOR ALL–TERRAIN VEHICL...

97) Family number: 23965649 (CA2343710A) © PatBase

Title: REMOVABLE AIR DEFLECTORS FOR ALL–TERRAIN VEHICLE

Priority: CA20012343710 20010410

Family:

Publication number	Publication date	Application number	Application date
CA2343710 AA	20010814	CA20012343710	20010410

Probable Assignee: LEVAQUE JEAN YVES

Assignee(s):(std)**:** LEVAQUE JEAN YVES

Inventor(s):(std)**:** LEVAQUE JEAN YVES

International class (IPC 8–9)**:** B60J1/00 B62J17/02 (Advanced/Invention); B62J17/00 (Core/Invention)

International class (IPC 1–7)**:** B60J1/00

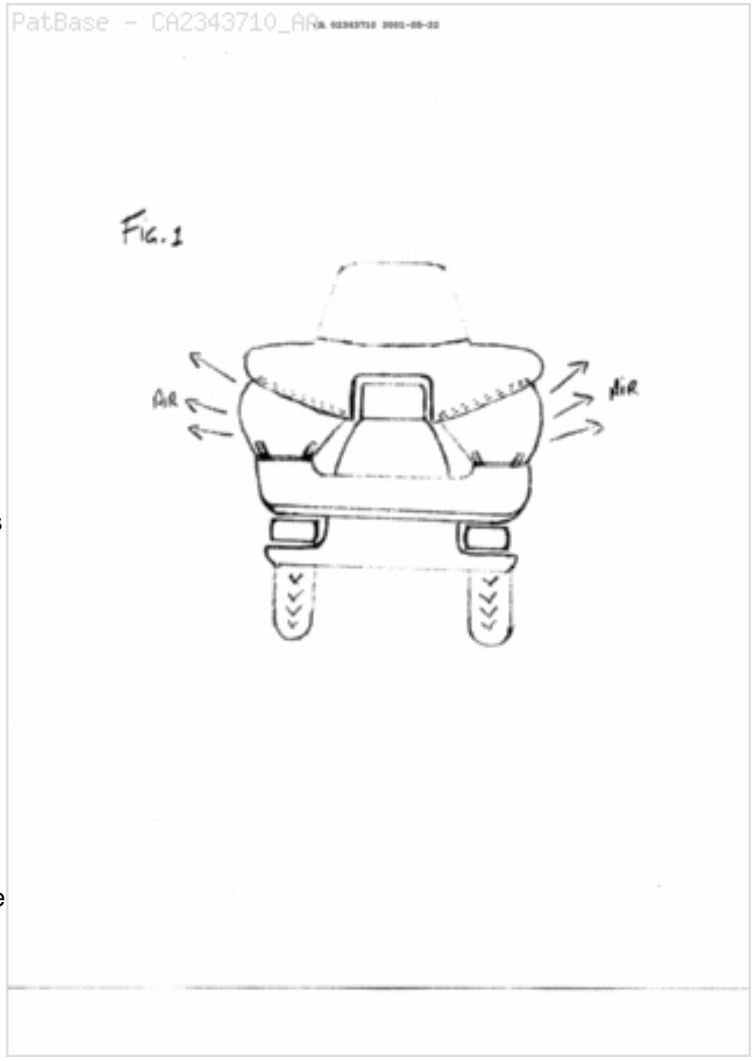
CPC: B62J17/02

European class: B62J17/02

Classification Explorer

Forward Citations: US9403570,

Abstract:
Source: CA2343710A Les vehicules tout−terrain sont de plus en plus populaires et ils sont desormais utilises pour des randonnees autant l'hiver que l'ete. Ainsi, durant les saisons hivernale, automnale et printaniere, le conducteur subi un certain inconfort au niveau des jambes qui sont expose es aux vents froids qui s'infiltrent entre le pare−brise et l'aile avant du vehicule. L'exposition a ux intemperies provoque des engelures aux genoux du conducteur et aux pieds du passager, ce qui rend la pratique de ce sport par temps froid et humide moins agreable. Selon nos recherches, tous les modeles des differents fabriquants de vehicul es tout−terrain n'ont aucun dispositif pour proteger les utilisateurs contre les courants d'air qu i s'introduisent entre le pare−brise et l'aile avant de ces vehicules. Les depositaires de meme que le s utilisateurs affirment que les engelures aux jambes et l' air froid qui frappe le corps, sont une preoccupation pour eux mais que les fabriquants n'ont aucune piece a offrir pour remedier a cet inconfor t. La presente invention consiste a une paire de deflecteurs d' air, un de chaq ue cote du vehicule, que l'on fixe temporairement au pare−brise rigide existant a la hauteur du guido n et au porte−bagages situe a l'avant du vehicule, au−dessus des ailes des roues avant. Ces deflecteurs ont pourbut de diriger l'air froid de chaque cote du vehicule pour empecher l'engelure des genoux du conducteur et des pieds du passager. Ils ne sont pas encombrants et ne nuisent aucuneme nt au conducteur ni au maniement du guidon. Les deflecteurs offrent un meilleur confort et permette nt une conduite plus securitaire. Les deflecteurs evitent des couts pour des vetements dispendieu x afin de combattre le froid et les intemperies. Le deflecteur tient a l'aide de bandes de velcro. L'installation est facile et ne necessite aucun outil, sauf pour le modele muni de boutons a pression visses. Le deflecteur est fabrique de matiere nylon a 100 percent, 400 Denier enduit de p.v.c., le rendant impermeable et lavable.</SDO AB>



Machine translation: All−terrain vehicles are increasingly popular and are now used for hiking all winter and summer. Thus, during the winter seasons, fall and spring, the driver suffered some discomfort in the legs are exposed to cold winds that seep between the windshield and the front fender of the vehicle. The exhibition ux bad weather causes frostbite to the driver's knees and feet of the passenger, what makes this sport in cold and wet less pleasant. According to our research, all models of different manufacturers are all−terrain vehicle has no mechanism to protect users against drafts that i creep between the windshield and the front fender of the vehicle. custodians as well as the user s say frostbite in his legs and cold air that hits the body, are a concern for them, but the manufacturers have no piece to offer to remedy this inconfor t. The present invention has a pair of deflectors air, one of CHAQ ue side of the vehicle which is temporarily fixed to the windshield rigid existing at the height of the n guido and racks located at the front of the vehicle, above the wings of the front wheels. These deflectors have pourbut to direct cold air on each side of the vehicle to prevent frostbite of the knees of the driver and passenger's feet. They are not bulky and do not harm the driver or aucuneme nt in the use of the handlebars. The deflectors offer greater comfort and allow nt safer driving. deflectors will avoid costs for clothing dispendieu x to combat the cold weather. The deflector is a band with velcro. Installation is easy and requires no tools, except for the model equipped with a pressure button screws. The baffle is made of matter 100 percent nylon, 400 Denier PVC coated, making it waterproof and washable. </sdo ab>

0) USD458562S – ALL TERRAIN VEHICLE

98) Family number: 29014800 (USD458562S) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20000123530 20000519 US20000123530F 20000519 US20000151181F 20000519 US20010156007F 20011205 US20010152482F 20011205 US20010151181F 20011205

Family:

Publication number	Publication date	Application number	Application date
USD458562 S1	20020611	US20000123530F	20000519
USD465752 S1	20021119	US20010156007F	20011205
USD466454 S1	20021203	US20010152482F	20011205
USD468117 S1	20030107	US20010151181F	20011205

Probable Assignee: BOMBARDIER INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; 4145321 CANADA INC ; BANK OF MONTREAL

Inventor(s):(std)**:** KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

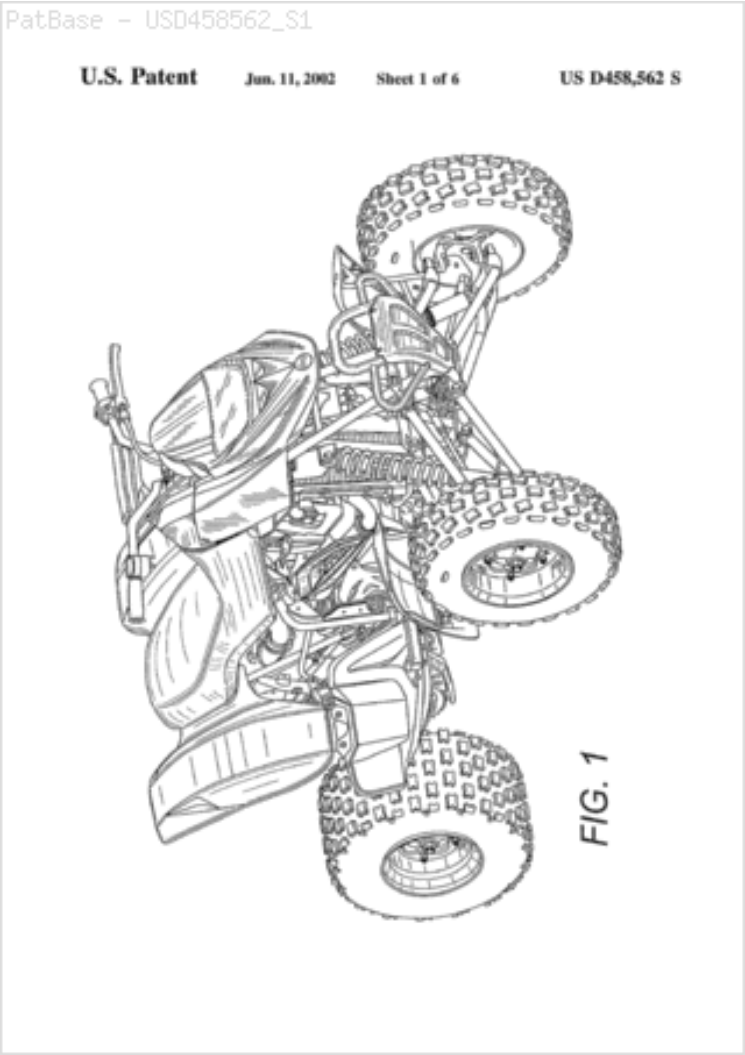
US class: D12/107 D12/114 D12/184 D6/354

Classification Explorer

Cited documents: USD458562, USD452835, USD448325, USD443426, USD438823, USD427942, USD412464, USD347614, USD344059, USD330694, USD327457, USD298744,

Forward Citations: USD781755, USD746072, USD746071, USD715725, USD701819, USD614412, USD612316, USD596533, USD594388, USD593454, USD593453, USD593452, USD593003, USD593002, USD577919, USD548645, USD548137, USD542187, USD541704, USD534964, USD534591, USD520914, USD517450, USD516467, USD516466, USD487041, USD474726, USD465752, US7708105, US7543673, US2008023242,

Abstract:
Source: USD458562S (Claim 1) 1. The ornamental design of an all terrain vehicle, as shown and described.



0) US2007009752A – MULTILAYER COMPOSITION

99) Family number: 34088817 (US2007009752A) © PatBase

Title: MULTILAYER COMPOSITION

Priority: US20050697702P 20050708 US20060431289 20060510 WO2006US20974 20060530

Family:

Publication number	Publication date	Application number	Application date
AT437918 E	20090815	AT20060760563T	20060530
AU2006269668 AA	20070118	AU20060269668	20060530
AU2006269668 BB	20110421	AU20060269668	20060530
CN101218293 A	20080709	CN200680024691	20060530
CN101218293 B	20111005	CN200680024691	20060530
DE602006008149 D1	20090910	DE200660008149T	20060530
EP1910464 A1	20080416	EP20060760563	20060530
EP1910464 A4	20080813	EP20060760563	20060530
EP1910464 B1	20090729	EP20060760563	20060530
JP2009500203 T2	20090108	JP20080520240T	20060530
JP5203189 B2	20130605	JP20080520240T	20060530
KR101433678 B1	20140825	KR20087000486	20060530
KR20080033246 A	20080416	KR20087000486	20060530
MX2008000319 A1	20080319	MX20080000319	20060530
TW200714464 A	20070416	TW20060123968	20060630
US2007009752 AA	20070111	US20060431289	20060510
US8034441 BB	20111011	US20060431289	20060510
WO07008304 A1	20070118	WO2006US20974	20060530

Probable Assignee: ARKEMA FRANCE

Assignee(s):(std)**:** ARKEMA FRANCE ; ARKEMA FRANCE SA ; HONE DONALD ; HONE DONALD R ; HORVATH ANDREW ; WANAT ROBERT A ; LEFEBVRE AMY A ; HORVATH ANDREW S ; WANAT ROBERT ; LEFEBVRE AMY

Inventor(s):(std)**:** HONE DONALD ; HONE DONALD R ; HONE DONALE ; HORVATH ANDREW ; HORVATH ANDREW S ; LEFEBVRE AMY ; LEFEBVRE AMY A ; WANAT ROBERT ; WANAT ROBERT A

Inventor(s): AMY A LEFEBVRE ; ANDREW S HORVATH ; DONALD R HONE ; ROBERT A WANAT

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BONNEL CLAUDINE; AXIS PATENT INT; THOMAS F ROLAND ESQ ARKEMA INC; THOMAS F

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO 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

International class (IPC 8–9)**:** A01K1/015 B32B17/10 B32B27/00 B32B27/18 B32B27/30 B32B27/32 B32B5/16 B32B7/02 C08L33/00 C08L33/04 C08L33/06 C08L35/02 (Advanced/Invention); B32B7/02 C08L33/06 C08L35/02 (Advanced/Non–invention); B32B27/00 B32B27/18 B32B27/30 B32B7/02 C08L33/00 C08L35/00 (Core/Invention)

CPC: Y10T428/24983 Y10T428/25 Y10T428/254 Y10T428/269 B32B27/30 B32B27/06 B32B27/08 B32B27/18 B32B27/308 B32B2250/40 B32B2307/406 B32B2307/558 B32B2307/712 B32B2307/714 B32B2307/738 B32B2509/00 B32B2605/00 Y10T428/31855 Y10T428/31938 Y10T428/249921

European class: B32B27/06 B32B27/08 B32B27/18 B32B27/30 B32B27/30D L32B250/40 L32B307/406 L32B307/558 L32B307/712 L32B307/714 L32B307/738 L32B509/00 L32B605/00

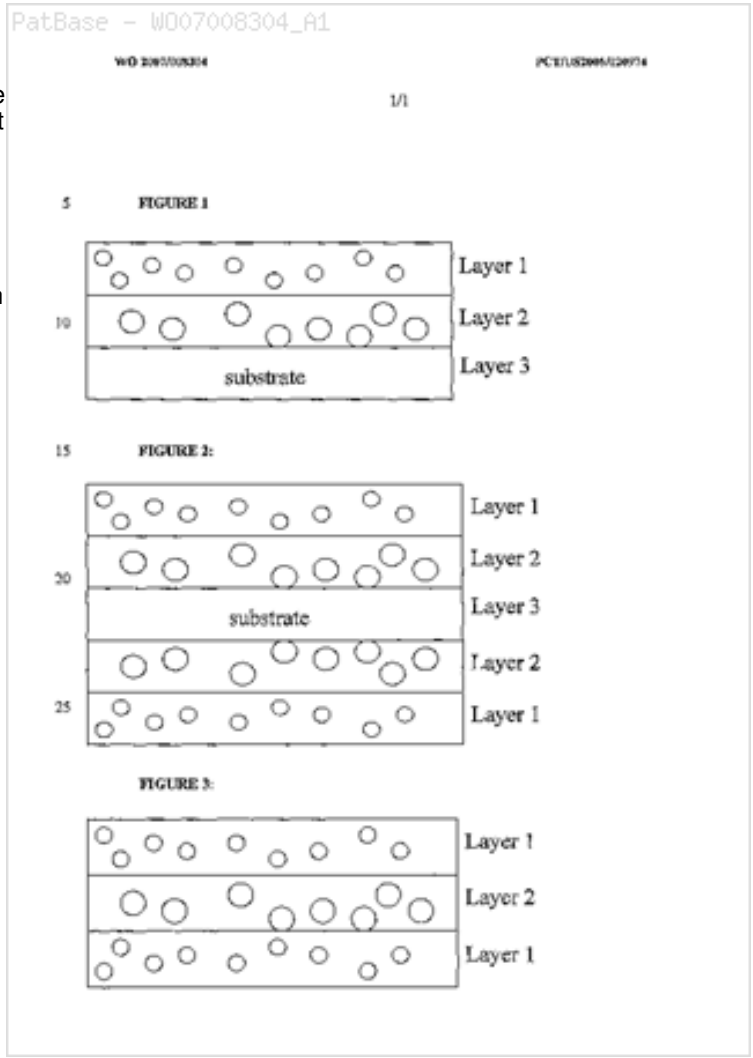
US class: 428/217 428/221 428/323 428/327 428/339 428/500 428/500P 428/523

Classification Explorer

Cited documents: WO8801575 A1, WO0008098 A1, US6908670 BA, US6844053 BB, US6525135 BA, US6482893 BA, US6476148 BA, US6444311 BA, US6444298 BA, US644298 A, US6316527 BA, US6172135 BA, US6172135 B1, US6040025 A, US5700566 A, US5312575 A, US5270387 A, US4564653 A, US2006008642 AA, US2005233124 AA, US2004023037 AA, US2003216510 AA, US2002177658 AA, US2002136853 AA, US2002123568 AA, US2001041256 AA, US0644298, JP6179794 A2, JP6179792 A2, JP2006131803 A2, JP2005200502 A2, JP2003236998 A2, JP2003236998, JP2003221421 A2, JP2002292808 A2, JP2002292808, JP2001260288 A2, JP2001260288, JP11147991 A2, GB2080199 A1, EP0527605 A1, DE10010466 A1,

Forward Citations: WO14152218, WO10101811, US9599405, US9597662, US9592492, US9586179, US9566568, US9533299, US9533289, US9522388, US9517448, US9511352, US9433938, US9427732, US9332636, US8706176, US8658716, US8652623, US8440261, US7993712, US2014338519, US2013130002, US2012328808, US2011226313, US2009093568, TWI412457, TWI360479, JP2012526670, DE102009020937, DE102009020933, CN103576481, CN103576481, CN102438830, CN102369657, CN102369657,

Abstract:
Source: US2007009752A The invention relates to a multi−layer acrylic composition having at least two impact modified layers. The outer layer is an acrylic layer containing impact modifiers having a particle size of less than 225 nm, and the impact modifiers in the inner thermoplastic layer have a particle size of greater than or equal to 225 nm. The invention also relates to multi−layer composites having the multi−layer acrylic composition on one or both sides. The multi−layer acrylic composition can also include blends of acrylic and fluoropolymers.



0) US2006066122A – ATV SEAT

100) Family number: 32762737 (US2006066122A) © PatBase

Title: ATV SEAT

Priority: US20040613497P 20040927 US20050231539 20050921

Family:

Publication number	Publication date	Application number	Application date
US2006066122 AA	20060330	US20050231539	20050921

Probable Assignee: WISEMAN JANICE

Assignee(s):(std)**:** WISEMAN JANICE

Inventor(s):(std)**:** WISEMAN JANICE

Agent(s): RANDALL B BATEMAN BATEMAN IP LAW GROUP

International class (IPC 8–9)**:** B60N2/02 (Advanced/Invention); B60N2/02 (Core/Invention)

CPC: B60N2/24 B62J1/12 B62J1/14 B62K5/01

European class: B60N2/24 B62J1/12 B62J1/14 B62K5/01

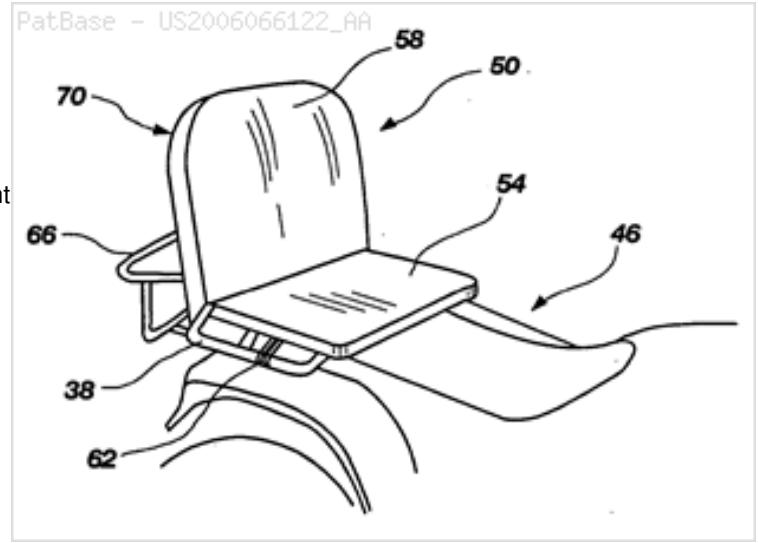
US class: 296/65.01 296/65.010P

Classification Explorer

Cited documents: US7008014 BA, US6966471 BA, US6880658 BB, US6749036 BA, US6547114 BB, US6508511 BA, US6502728 BB, US5765917 A, US5697671 A, US5516179 A, US5501501 A, US5205610 A, US5139301 A, US4205877 A, US4195879 A, US4095820 A, US3873127 A, US2006042847 AA, US2004232684 AA, US2004195885 AA,

Forward Citations: US9080514, US8905435, US8678464, US8430442, US8226120, US8215694, US2010084212, US2010019524, US2009195035, US2008217088, US2004232684, EP2444305,

Abstract:
Source: US2006066122A A seat for use with all terrain vehicles increases passenger comfort and safety by providing additional seating area for passengers and preventing dirt from striking or falling upon passengers. The seat may optionally be equipped with additional cargo storage baskets or attachment locations to carry additional cargo. The seat may be constructed with seat belts and a roll bar to further increase passenger safety.



0) TWM263298Y – IMPROVED STRUCTURE OF LEISURE BICYCLE

101) Family number: 33019633 (TWM263298Y)

© PatBase

Title: Improved structure of leisure bicycle

Priority: TW20040215695U 20041004

Family:

Publication number	Publication date	Application number	Application date
TWM263298 Y	20050501	TW20040215695U	20041004

Probable Assignee: TSAI JING KUEN

Assignee(s):(std)**:** TSAI JING KUEN

Inventor(s):(std)**:** TSAI JING KUEN

International class (IPC 8–9): B62K21/26 (Advanced/Invention); B62K21/00 (Core/Invention)

International class (IPC 1–7): B62K21/26

Classification Explorer

Abstract:
Source: TWM263298Y

Machine translation: This creation one kind of leisure all–terrain vehicle structure improvement, is rides the all–terrain vehicle for the leisure which uses while it, including: As soon as the all–terrain vehicle main body has in the front boom peak locks solid to lock solidly for front card of lock assembly the hand front, the all–terrain vehicle main body has, the trailing wheel, the chair, the footboard, ? the strip, ? the plate, kills Che Qi, the before and after fender composition, in front of in which has the hand center point place a card front lock assembly regardless of or reverses by frontage reverse with locks the solid lock solid all to be in center point of place the hand; But the card lock assembly opens the mouth by the through hole, to extend raised clamps the sheet, the through hole, the long screw rod, dials the rotating crank, passes the hole, the cap nut is composed; Front causes the hand when needs may dial the rotating crank reverse rotation in the card lock assembly to assume loosens the condition, after front reverse will reverse the hand opens the mouth after the through hole to aim locks solid to lock again solidly, achieved the leisure all–terrain vehicle will overhang the volume to shrink the body goal, might set at into in exactly the common automobile after baggage ritual box to facilitate the carry with one on a journey to locate to it, again will use, also solved has used habitually the all–terrain vehicle long–term carry with one on a journey inconvenient question.



0) US6364723B – AIR BOAT WITH RETRACTABLE WHEELS FOR GROUND AND...

102) Family number: 20650539 (US6364723B)

© PatBase

Title: Air boat with retractable wheels for ground and water travel

Priority: US20000649026 20000828

Family:

Publication number	Publication date	Application number	Application date
US6364723 BA	20020402	US20000649026	20000828

Probable Assignee: HITE LOREN

Assignee(s):(std)**:** HITE LOREN

Inventor(s):(std)**:** HITE LOREN

International class (IPC 8–9)**:** B60F3/00 B63C13/00 B63H7/02 (Advanced/Invention); B60F3/00 B63C13/00 B63H7/00 (Core/Invention)

International class (IPC 1–7)**:** B60F3/00

CPC: B60F3/0069 B60F2301/04 B63C13/00 B63H7/02

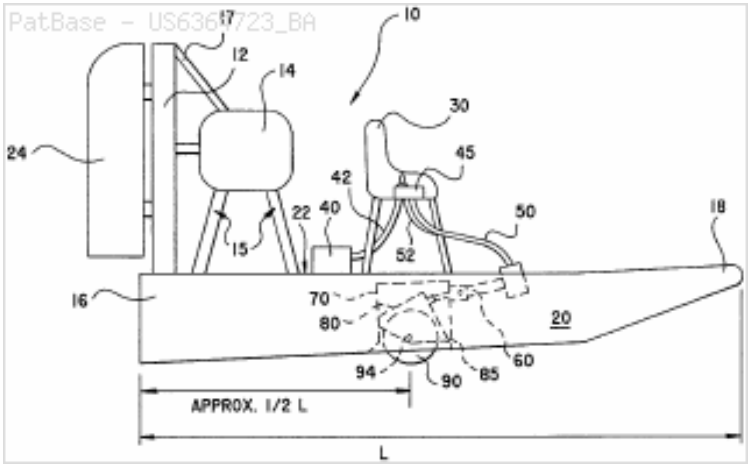
European class: B60F3/00D2 B63C13/00 B63H7/02 L60F301/04

US class: 440/12.5 440/125 440/37

Classification Explorer

Cited documents: US5769021 A, US5632221 A, US4821663 A, US4657514 A, US4407215 A, US4175636 A, US4008679 A, US3831211 A, US3421472 A, US2169946 A, FR2677901 A1,

Forward Citations: WO10076611, USD544927, US9370979, US8939807, US7429203, US7364484, US2014335748, US2008227343, US2007197108, US2006186616, GB2507595, FR2874896, CN103723252,



Abstract:
Source: US6364723B An air boat with retractable wheels is provided. The wheels are moved from the first position to the second position by a hydraulic system. The hydraulic system is actuated by the air boat user. The first wheel position is retracted, giving continuity to the hull, permitting the fan to drive the air boat over water. The second position is extended, bringing the wheels into contact with the ground, and permitting the fan to drive the air boat over the terrain of the land. The two wheels are in parallel relation with each other and are located in and under the hull of the boat at about the middle section of the air boat. The wheels, when in extended position, only breach the hull by a small amount as there is no propeller or rudder to clear when traveling over the land. The fan provides enough lift to prevent the bow and stern from coacting with the ground.

0) USD531088S – ALL–TERRAIN VEHICLE

103) Family number: 33575132 (USD531088S) © PatBase

Title: ALL–TERRAIN VEHICLE

Priority: TW20050306758F 20051108 US20050244759F 20051213

Family:

Publication number	Publication date	Application number	Application date
TWD113020 S1	20060921	TW20050306758F	20051108
USD531088 S1	20061031	US20050244759F	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 CHIH MING

Agent(s): QUINTERO LAW OFFICE

US class: D12/107

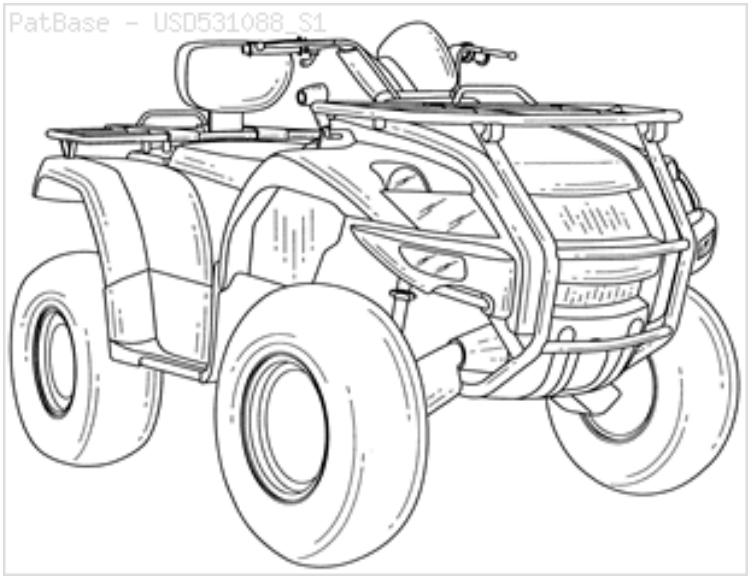
Locarno class: 12/11 12/08

Classification Explorer

Cited documents: USD496308, USD488746, USD421935, US2004108158,

Forward Citations: USD744904, USD721300, USD694671, USD680469, USD680468, USD640605, USD640604, USD601058, USD555921, USD553870,

Abstract:
Source: TWD113020S



Machine translation: [Goods use]; This creation has about one kind of all–terrain vehicle the new model, it is available in the smooth path, the rugged road surface, rides with the sand beach while the transportation vehicle. ; [Creation characteristic]; All–terrain vehicle of the this creation ventral including about each one, about in front of each headlight group, the one protects, about each front mudguard, and about each front wheel. Two handle position assumes the summary to open to the both sides V, first protects the frame to be located front the handle, before this protects the frame to have at the same time the coordinate protection chassis with to be possible to lay aside the goods the dual function, its modelling quite has vision of effect the athlete equipment maintenance. About each headlight group concurrently has the illumination and the coordinate front mudguard becomes effect of the body modelling, this front mudguard is higher than the front wheel slightly, has gathers the potential due–out posture. About each before wheel, among them the wheel rim uses designs five fingernail. ; Among all–terrain vehicle including a cushion, about nearby various one side footboard, and about each main body side bar. Cushion is micro sinks the arc modelling constitution by among, facilitates rides while riding holds controls the handle, the cushion rear end has a back pad, may prevent when acceleration rides while slides outside the cushion. About the main body side bar for extends the cushion modelling along to meet becomes, enables the outward appearance to achieve the whole consistent effect. About each side foot board has hollows out the design, but this forgets absent–mindedly the shape is geometry of shape the diamond primarily, fully reveals modelling of characteristic the movement breath. ; All–terrain vehicle rear end after about each rear lamp, about each fender, about each wheel, as well as latter micro–slide. Rear lamp for outside raised in the periphery surface modeling, has like eye of the outward staring at. After about each fender hangs in after wheel rear area, after the gable the wheel with prevented the trailing wheel raises outside the dust or the mud spurts the design. In the latter wheel in the wheel rim and the front wheel the wheel rim with design for the spatial five fingernail, enable the overall design to have the speed feeling. Above the rear bumper clay tablet for after micro–slide, has at the same time for the laying aside goods and the addition transports vision of effect the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a

construction project. ; 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) US2006065468A – MUFFLER MOUNTING STRUCTURE

104) Family number: 32761747 (US2006065468A) © PatBase

Title: MUFFLER MOUNTING STRUCTURE

Priority: JP20040289272 20040930

Family:

Publication number	Publication date	Application number	Application date
JP2006103375 A2	20060420	JP20040289272	20040930
JP4391377 B2	20091224	JP20040289272	20040930
US2006065468 AA	20060330	US20050226342	20050915
US7669687 BB	20100302	US20050226342	20050915

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** TAKAHASHI SHINJI ; KAWATANI SHINJI

Agent(s): WESTERMAN HATTORI DANIELS AND ADRIAN LLP

International class(IPC 8–9)**:** B60K13/04 B62K5/00 B62M7/02 F01N13/00 F01N99/00 (Advanced/Invention); B60K13/00 B62K5/00 B62M7/00 F01N13/00 F01N99/00 (Core/Invention)

CPC: B62K5/01

European class: B62K5/01

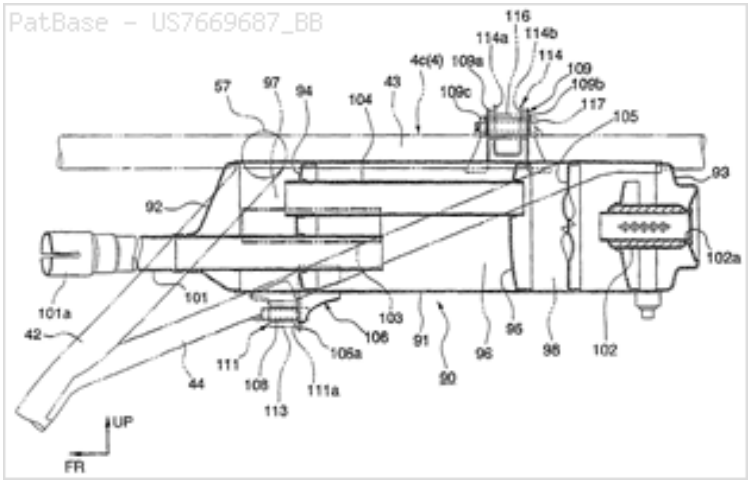
US class: 180/296 180/309 180/89.2

Classification Explorer

Cited documents: US6758300 BB, US6508329 BB, US6438949 BA, US4972921 A, US4343374 A, US2004089493 AA, US2003085027 AA, JP7026950 A2, JP5105159, JP2004108227 A2, JP2004108227, JP2001280127 A2, JP2001280127, JP05105159,

Forward Citations: US9334008, US9205733, US9121319, US8985260, US8851523, US2014262582, US2011175340, AU2010246547,

Abstract:
Source: US2006065468A A vehicular muffler mounting structure in which a muffler is supported inside wheels by a body frame is provided. The muffler is connected to the body frame through a fastener that is screwed substantially parallel to the lengthwise direction of a body.



0) USD596533S – AUTOMOBILE

105) Family number: 43522039 (USD596533S) © PatBase

Title: AUTOMOBILE

Priority: US20070274471F 20070426

Family:

Publication number	Publication date	Application number	Application date
CA122805 S	20081028	CA20070122805F	20071023
CL2007003105 S1	20080523	CL20070003105F	20071026
CL5641 S2	20100120	CL20070003105F	20071026
CN301176097 S	20100421	CN200730151843F	20071026
GT200700066 S	20080516	GT20070000066F	20071024
USD596533 S1	20090721	US20070274471F	20070426

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std): CHAN MIKE ; MIKAMI TAKAO ; TAKAO MIKAMI HIDEAKI YAMAZUMI ; YAMAZUMI HIDEAKI

Inventor(s): TAKAO MIKAMI HIDEAKI YAMAZUMI MIKE CHAN ; MIKE CHAN ; TAKAO MIKAMI ; HIDEAKI YAMAZUMI

Agent(s): MARKS AND CLERK; ALESSANDRI; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

US class: D12/107

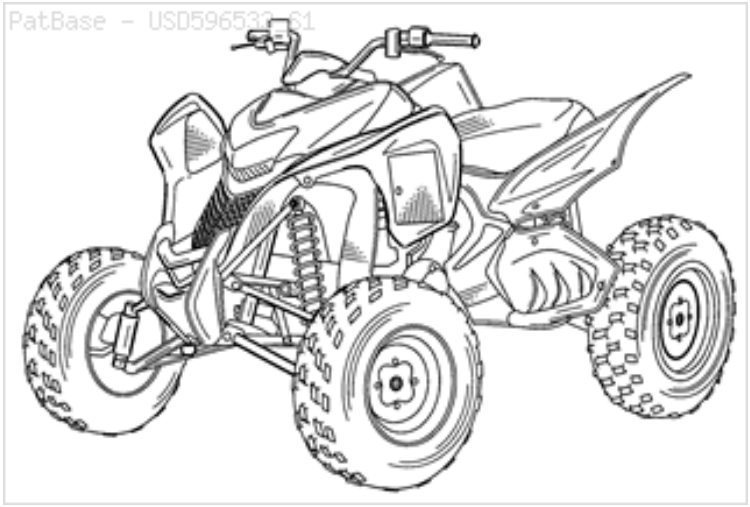
Locarno class: 12/11

Classification Explorer

Cited documents: USD517450, USD496308, USD458562, USD349078, USD327457, CA122804 S, CA122803 S,

Forward Citations: USD685681, USD685680, USD670616, CA122804, CA122803,

Abstract:
Source: USD596533S (Claim 1) CLAIM What is claimed is; the ornamental design for, an automobile, as shown and described.



0) US2009004554A – BATTERY BOXES AND VEHICLES INCLUDING SAME

106) Family number: 42771250 (US2009004554A) © PatBase

Title: BATTERY BOXES AND VEHICLES INCLUDING SAME

Priority: US20070821965 20070626

Family:

Publication number	Publication date	Application number	Application date
US2009004554 AA	20090101	US20070821965	20070626
US7836989 BB	20101123	US20070821965	20070626

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HOLOWEIKO RYAN J ; HONDA MOTOR CO LTD ; REED CAMAS

Assignee(s): HONDA MOTOR COMPANY LTD

Inventor(s):(std)**:** HOLOWEIKO RYAN J ; REED CAMAS

Agent(s): ULMER AND BERNE LLP ATTN DIANE BELL; ULMER AND BERNE LLP

International class (IPC 8–9): B60R16/04 H01M2/10 (Advanced/Invention); B60R16/04 H01M2/10 (Core/Invention)

CPC: B60R16/04 H01M2/1083

European class: B60R16/04 H01M2/10C4C Y02E60/12

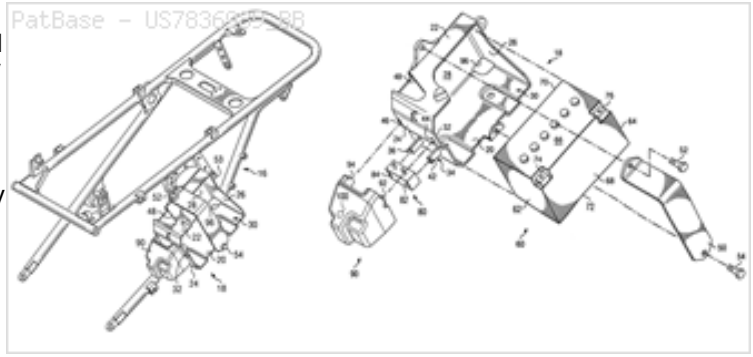
US class: 180/68.5 180/68.500S 307/10.7 429/100 429/100S 429/97 429/97P

Classification Explorer

Cited documents: USD495994 S1, US7126311 BB, US6842633 BA, US6564893 BB, US6439329 BA, US6111327 A, US5789898 A, US5756227 A, US5709280 A, US5636701 A, US5547036 A, US5477936 A, US5378555 A, US5301765 A, US5293951 A, US4854540 A, US4321522 A, US3691668 A, US2913587 A, US2004065491 AA, US2003121191 AA, US2003047366 AA, US1607598 A,

Forward Citations: US9293746, US9136514, US9120441, US9022162, US8950537, US8822056, US8312952, US8146694, US8091669, US8020830, US7828098, US2016031307, US2014144720, US2013273755, US2013216885, US2010181129, US2010175940, US2009280875, US2009272863, US2007045015, DE102012200350,

Abstract:
Source: US2009004554A Vehicles, such as all terrain vehicles, can be provided with a battery box. The battery box comprises a bottom wall, a top wall, a first side wall, and a second side wall which together define a battery retention chamber having a front opening configured for passage of a battery. Vehicles having a battery box are also provided.



0) US6269557B – MANUALLY ADJUSTABLE SNOWPLOW APPARATUS

107) Family number: 15598706 (US6269557B) © PatBase

Title: MANUALLY ADJUSTABLE SNOWPLOW APPARATUS

Priority: US19990455081 19991206

Family:

Publication number	Publication date	Application number	Application date
US6269557 BA	20010807	US19990455081	19991206

Probable Assignee: HENKS PHILLIP K

Assignee(s):(std)**:** HENKS PHILLIP K

Inventor(s):(std)**:** HENKS PHILLIP K

International class (IPC 8–9): E01H5/06 (Advanced/Invention); E01H5/04 (Core/Invention)

International class (IPC 1–7): E01H5/04

CPC: E01H5/06 Y10T74/20642

European class: E01H5/06

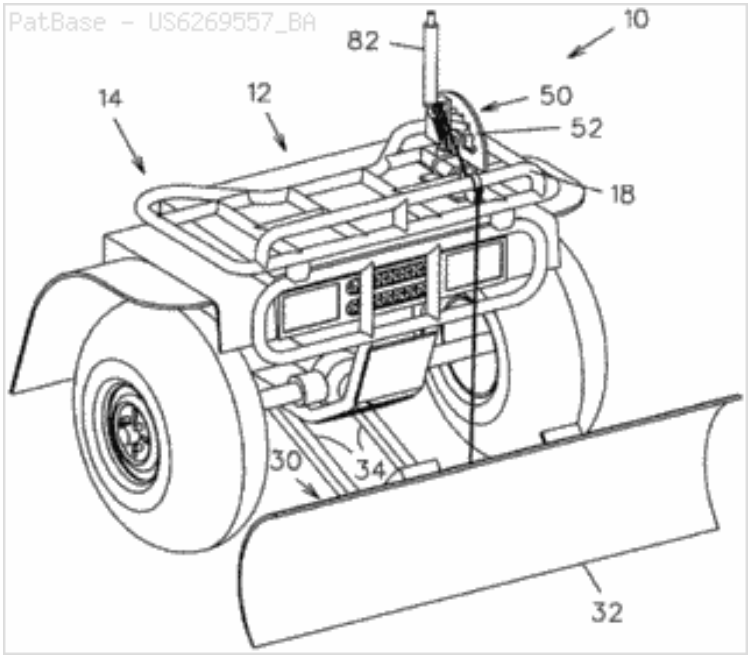
US class: 172/246 172/247 172/817 37/235 372/350 74/528

Classification Explorer

Cited documents: US5967241 A, US5813203 A, US5746275 A, US5706990 A, US5615745 A, US5546739 A, US5509219 A, US5485690 A, US5142801 A, US5121562 A, US5088215 A, US4976053 A, US4910893 A, US4890400 A, US4754562 A, US4615130 A, US4571861 A, US4470211 A, US4342163 A, US4130952 A, US3987562 A, US3793752 A,

Forward Citations: US8875419, US8827002, US8176661, US8069590, US8037625, US7784199, US7743534, US7735247, US7735245, US7707753, US7703222, US7681335, US7676964, US7676963, US7676962, US7669353, US7658021, US7627965, US7603798, US7472499, US7426795, US2013042506, US2010088930, US2009249657, US2007151127, US2006283611, US2005246925, US2005066554, US2004205985,

Abstract:
Source: US6269557B A manually adjustable snowplow apparatus for mounting to an all terrain vehicle comprises a blade assembly pivotally mounted to a frame member of the ATV and adapted for relative up and down movement. The snowplow apparatus further includes a vertical plate mounted to the ATV and forming a plurality of spaced apart notches. A handle is pivotally attached to the plate and includes a rod that selectably mates with one of the notches. A cord extends between the handle and the blade assembly such that a forward or rearward movement of the handle decreases or increases, respectively, the height of the blade assembly above a ground surface.



108) Family number: 55002950 (US2013281596A)

© PatBase

Title: COMPOSITIONS COMPRISING A PROPYLENE–BASED ELASTOMER AND A POLYALPHAOLEFIN, METHODS OF MAKING THE SAME, AND ARTICLES MADE THEREFROM

Priority: US20120450057 20120418

Family:

Publication number	Publication date	Application number	Application date
US2013281596 AA	20131024	US20120450057	20120418
WO13158239 A1	20131024	WO2013US29876	20130308

Probable Assignee: EXXONMOBIL CHEMICAL PATENTS INC

Assignee(s):(std)**:** EXXONMOBIL CHEM PATENTS INC ; MOHAN RACHNA ; ZACARIAS FELIX M

Assignee(s): EXXONMOBIL CHEMICAL PATENTS INC

Inventor(s):(std)**:** MOHAN RACHNA ; ZACARIAS FELIX M

Agent(s): SCHMIDT JENNIFER A 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 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 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): C08K3/26 C08L23/14 C08L23/16 (Advanced/Invention)

CPC: C08L23/16 C08K2003/265 C08L2205/03 C08L2207/324 C08L23/142

US class: 524/427 524/528 525/240

Classification Explorer

Cited documents: WO10088488 A1, WO10077769 A1, WO09102387 A1, WO04014998 A2, US2016002429 AA, US2007240605 AA, US2007015877 AA, EP1840164 A1,

Forward Citations: WO16137559, WO15192267, WO15047604, US9335105, US2013292088,

Abstract:
Source: US2013281596A The present disclosure is directed to compositions comprising: (a) a propylene−based elastomer, comprising at least about 60 wt percent propylene−derived units and about 5 to about 25 wt percent ethylene−derived units, based on total weight of the propylene−based elastomer, wherein the propylene−based elastomer has a heat of fusion of less than about 80 J/g; and (b) a polyalphaolefin. Such compositions have at least one of the following properties: (a) a hardness of about 25 to about 67 shore A (ASTM D2240); (b) a glass transition temperature of about −35 degrees centigrade to about −65 degrees centigrade (ASTM D3418−08, 10 degrees centigrade /min); and (c) an impact resistance at a temperature no lower than about −40 degrees centigrade (ASTM D3763).

0) JP63013875A – RADIATOR COOLING STRUCTURE OF SADDLING TYPE CAR...

109) Family number: 9012277 (JP63013875A) © PatBase

Title: RADIATOR COOLING STRUCTURE OF SADDLING TYPE CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19860156919 19860703

Family:

Publication number	Publication date	Application number	Application date
JP2524331 B2	19960814	JP19860156919	19860703
JP63013875 A2	19880121	JP19860156919	19860703

Probable Assignee: YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** ONO YOSHIHIRO ; YAMAKAWA TATSUO

International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J23/00 B62J99/00 (Core/Invention)

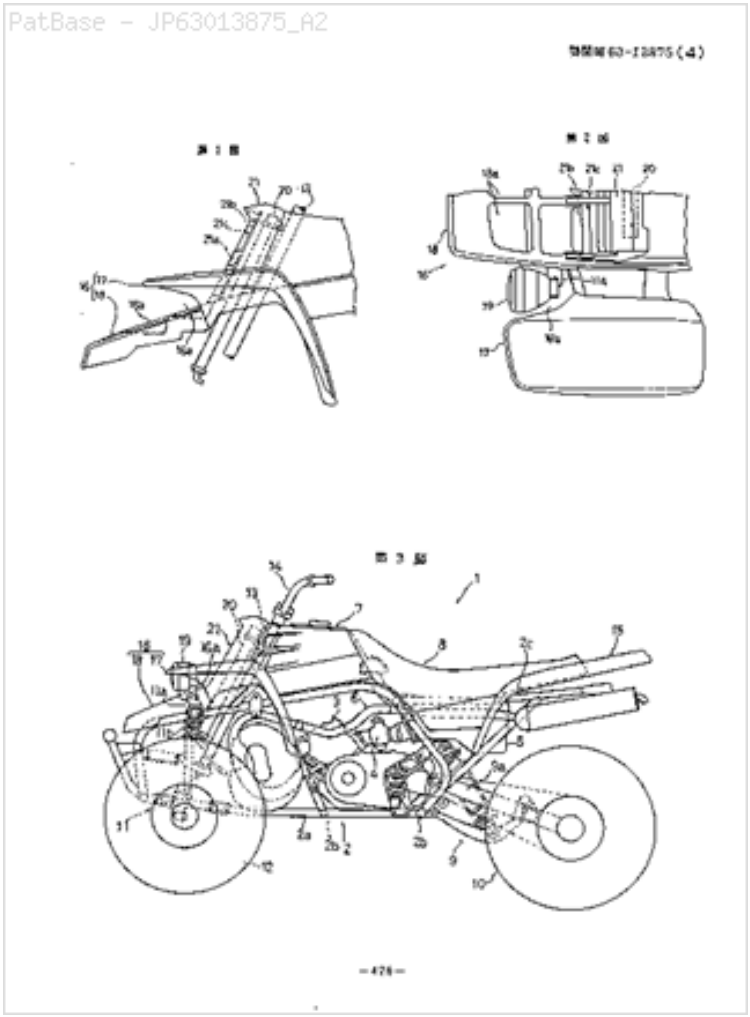
International class (IPC 1–7)**:** B62J15/00 B62J23/00 B62J39/00

Classification Explorer

Cited documents: JP60193821 U1, JP60193821 U, JP60105582 U1, JP60105582 U, JP59146219 U1, JP59146219 U, JP59106787 U1, JP59106787 U,

Forward Citations: US8196689,

Abstract:



Source: JP2524331B . [Source: Claim 1] **1** left, left to support the front−wheel suspension system of the right, Rutotomoni car be placed parallel to each other at an interval on the right pair of side pipes front left of the vehicle body frame ing connected by cross pipe extending in the width direction, the wide front with ultra−low−pressure tire wheel is attached to the right, left, and toward Ke a steering shaft in a vertical direction between the right of the front wheel the ?? adaxial and substantially parallel to the radiator placed along with the disposed, the left, the left that is located on the upper side of the right front wheel, and the right Fe Sunda part, left, center Fen da portion located between the right fender part in La Jieta cooling structure for introducing the cooling air prior to the radiator of the all−terrain for a straddle−type vehicle provided with a fender device consisting of the left and its upper side the right side pipes in side view above extended to the front than ?? Kojiku to intersect with the steering shaft, the left above the radiator, downward between the right side of the pipe than the upper side portion of the side pipes or and lt; TXF FR = 0002 HE = 075 WI = 080 LX = 1100 LY = 2050 and gt; with a size that extends in place in front of the steering axis, left the central fender part, together with the form is lower than the right fender part, Misao of the body frame in the central fender part It covers the front extension portion from above than Kojiku, the central fen da rear end portion of the above radiator and the air guide cover substantially parallel to the upwardly extending standing arrangement to the, to the electrically−style cover, running wind La Jieta of to form the air guide opening for introducing into the upper portion than the upper portion, to form a Shirubefuana for introducing a running wind to the bottom of La Jieta said central fender portion, further the central fender portion and the left, right fender portion a concave recess formed in the rear of the vehicle in a plan view the connection of the vehicle to the rear edge of the recess to together when is positioned near the lower portion of the radiator in a side surface view, the central fender portion in a plan view La Jieta cooling structure of the straddle−type vehicle for rough terrain, characterized in that formed on the narrow front side as the width

0) WO9620852A1 – FRONT–END PROTECTIVE BAR FRONTSCHUTZBUEGEL AR...

110) Family number: 17479383 (WO9620852A1) © PatBase

Title: FRONT–END PROTECTIVE BAR

Priority: DE19952000106U 19950104 DE19965005132 19960104 WO1996EP00024 19960104

Family:

Publication number	Publication date	Application number	Application date
AU199643905 A1	19960724	AU19960043905	19960104
CA2209576 AA	19970703	CA19962209576	19960104
DE29500106 U1	19960509	DE19952000106U	19950104
DE59605132 D1	20000608	DE19965005132	19960104
EP0797517 A1	19971001	EP19960900299	19960104
EP0797517 B1	20000503	EP19960900299	19960104
ES2146863 T3	20000816	ES19960900299T	19960104
JP10506595 T2	19980630	JP19960520734T	19960104
RU2126334 C1	19990220	RU19970112923	19960104
WO9620852 A1	19960711	WO1996EP00024	19960104

Probable Assignee: RUMPP GERHARD 82266 INNING DE

Assignee(s):(std)**:** GERHARD RUMPP ; RUMPP GERHARD ; RUMPP KLAUS

Assignee(s): RUMPP GERHARD 82266 INNING DE

Inventor(s):(std)**:** GERHARD RUMPP ; RUMPP GERHARD ; RUMPP GERKHARD

Agent(s): RICHES MCKENZIE AND HERBERT LLP

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR IE IT JP KR LI LU MC MX NL NO PT RU SE US

International class(IPC 8–9)**:** B60R19/44 B60R19/52 B60R21/34 (Advanced/Invention); B60R19/00 B60R19/02 (Core/Invention)

International class(IPC 1–7)**:** B60R19/02 B60R19/18 B60R19/26 B60R19/44 B60R19/48 B60R19/52 B60R21/34

CPC: B60R19/52

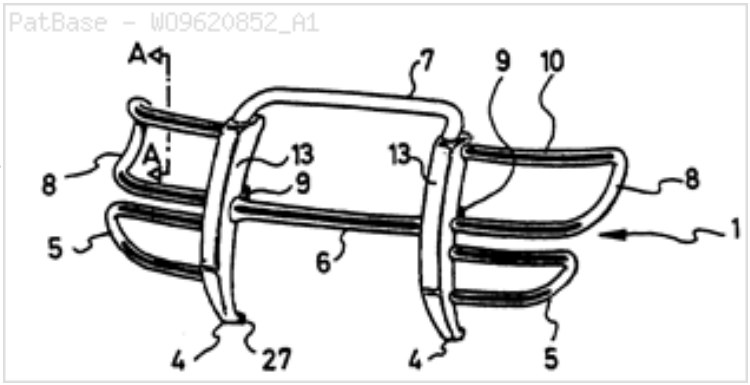
European class: B60R19/52

Classification Explorer

Cited documents: WO9602406 A1, WO9101904 A1, US5215343 A, US4936599 A, US4671552 A, US4469360 A, US3869165 A, US3694018 A, JP58030874, GB2187142 A1, GB104247 A, FR1408921 A, FR1236895 A, DE9409508 U, DE9409508 U, DE9306945 U, DE9306945 U, DE9306545 U, DE9306545 U, DE9105739 U, DE9105739 U, DE4328309 A1, DE3518899 A1, DE2809374 A1, DE2803209 A1, DE1005858 B,

Forward Citations: US9403570, US7905314, US7621364, US7192079, US6224120, GB2311498, EP2269875, EP1002700, EP1002700, EP0987148, DE19944670, DE19944670, DE19852959, DE19852959, DE10201829,

Abstract:
The invention pertains to front−end protective bars for motor vehicles, trucks, light trucks, passenger transport vehicles or passenger cars, especially all−terrain vehicles, wherein points at which parts (4, 5, 7, 8) of the front−end protective bar (1) are joined together and/or points (9) at which the front−end protective bar (1) is joined to an auto−body element and/or parts (4, 5, 7, 8) of the front−end protective bar (1) itself have elements (6) designed to yield and absorb forces resulting if a person were struck by the vehicle.



0) US2016214476A – EXHAUST SUPPORT SYSTEM FOR AN OFF–ROAD VEHICLE ...

111) Family number: 62989030 (US2016214476A) © PatBase

Title: EXHAUST SUPPORT SYSTEM FOR AN OFF–ROAD VEHICLE

Priority: US20150606819 20150127

Family:

Publication number	Publication date	Application number	Application date
BR102016001772 A2	20161011	BR20161001772	20160127
EP3051091 A1	20160803	EP20160152802	20160126
US2016214476 AA	20160728	US20150606819	20150127
US9597954 BB	20170321	US20150606819	20150127

Probable Assignee: CNH INDUSTRIAL AMERICA LLC

Assignee(s):(std)**:** CNH IND AMERICA LLC ; CNH IND ITALIA SPA

Assignee(s): CNH INDUSTRIAL AMERICA LLC ; CNH INDUSTRIAL ITALIA SPA

Inventor(s):(std)**:** CARLSON NATHAN ; CARLSON NATHAN JAMES ; RASSET JOHN T

Inventor(s): JOHN T RASSET ; NATHAN JAMES CARLSON

Agent(s): CNH INDUSTRIAL IP DEPARTMENT; RICKARD K; REBECCA L

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): B23K31/02 B23P15/00 B60K13/04 F01N13/18 (Advanced/Invention)

CPC: B23K31/02 B23P15/00 B23P2700/50 B60K13/04 F01N13/1805 F01N13/1872 F01N2590/08 F01N2610/1406 B60Y2200/221

US class: 180/89.2

Classification Explorer

Cited documents: WO11003395 A1, US8814236 BB, US8365476 BB, US5950975 A, US4962825 A, US4448387 A, US4283090 A, US3907057 A, US3818672 A, US3404470 A, US3287882 A, US3069037 A, US2952380 A, US2014196973 AA, US2008238148 AA, US2003052482 AA, US1983355 A,

DE202005007226 U1

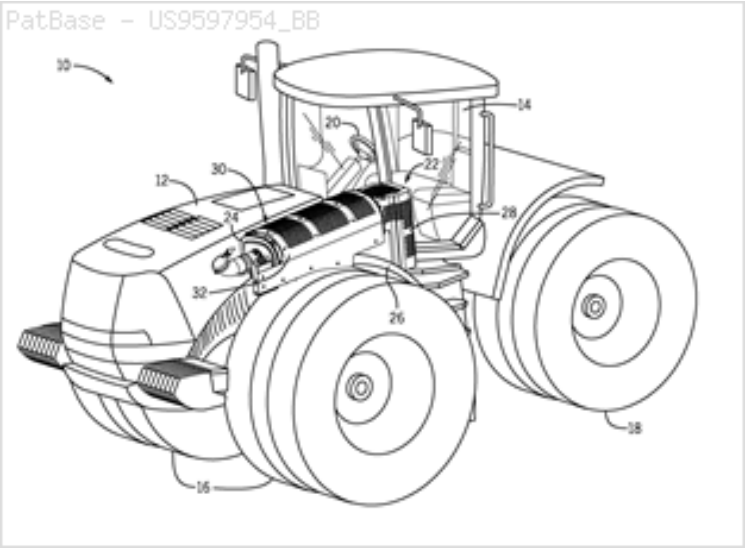
DE102010025613 A1

DE102010010397 A1

DE102004023585 A1

CN203925693 U, CN203925693 A, CN202492933 U, CN102535713 A,

Abstract:
Source: US2016214476A An exhaust support system for an off−road vehicle including a fender having a liquid storage tank, a loading plate coupled to a frame of the off−road vehicle, and a gusset coupled to the liquid storage tank and to the loading plate. The gusset is formed from a flat plate and includes a body coupled to the liquid storage tank, a base coupled to the loading plate, and a curved portion coupling the base to the body. Additionally, the curved portion is configured to redistribute a force from the liquid storage tank to the loading plate.



112) Family number: 52657364 (CN202608965U)

© PatBase

Title: FOUR–WHEEL ALL TERRAIN VEHICLE SINGLE ROCKER ARM FRAME HOISTING FRONT END HOISTING RING STRUCTURE

Priority: CN201220179477U 20120425

Family:

Publication number	Publication date	Application number	Application date
CN202608965 U	20121219	CN201220179477U	20120425

Probable Assignee: CHONGQING JIANSHE MOTORCYCLE

Assignee(s):(std)**:** CHONGQING JIANSHE MOTORCYCLE ; CHONGQING JIANSHE MOTORCYCLE CO LTD

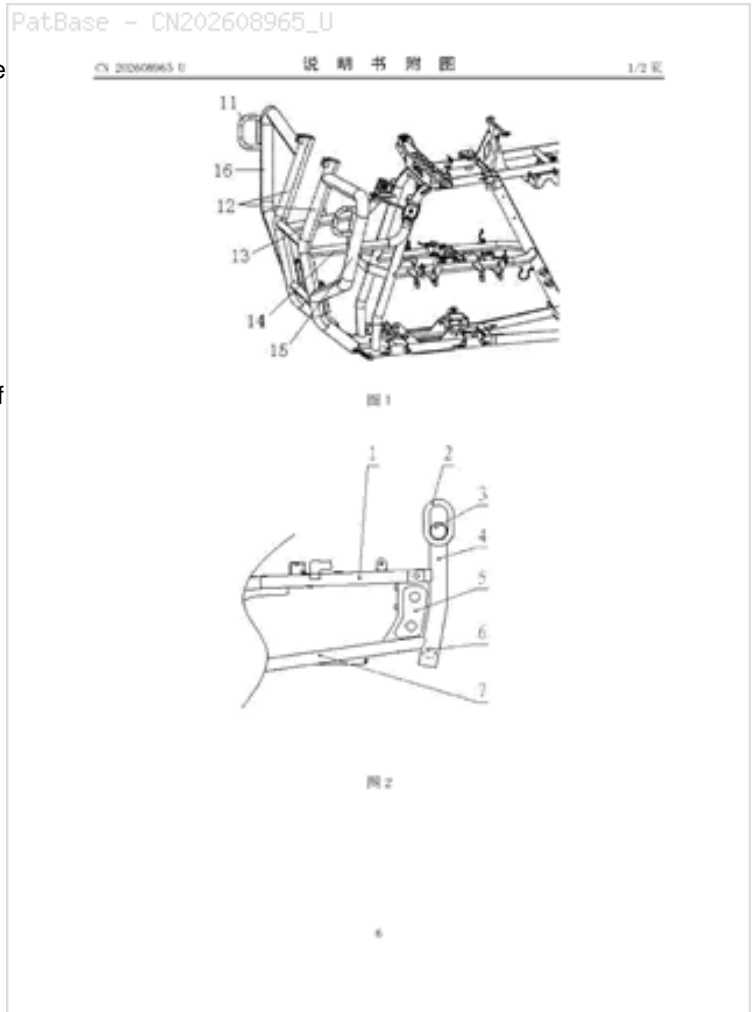
Inventor(s):(std)**:** ZHANG HUA ; XIANG LIN

International class (IPC 8–9)**:** B62J27/00 (Advanced/Invention)

Classification Explorer

Forward Citations: CN103910015,

Abstract:
Source: CN202608965U The utility model discloses a four–wheel all terrain vehicle single rocker arm frame hoisting front end hoisting ring structure which comprises a fender–guard device. The four–wheel all terrain vehicle single rocker arm frame hoisting front end hoisting ring structure is characterized in that the left end and the right end of the fender–guard device are provided with two hoisting rings. The four–wheel all terrain vehicle single rocker arm frame hoisting front end hoisting ring structure has the advantages that the structure is simple, implementation is easy, a frame front end portion can be conveniently hoisted and positioned, the risk of frame deformation caused by hoisting can be reduced, and the like.



0) RU124653U – CROSS–COUNTRY VEHICLE (MACHINE TRANSLATION)

113) Family number: 53005090 (RU124653U) © PatBase

Title: Cross–country vehicle (Machine translation)

Priority: RU20120123524U 20120607

Family:

Publication number	Publication date	Application number	Application date
RU124653 U1	20130210	RU20120123524U	20120607

Probable Assignee: PRINCELINGS VADIM

Assignee(s): PRINCELINGS VADIM

International class (IPC 8–9): B62D29/04 (Advanced/Invention)

Classification Explorer

Forward Citations: RU167865,

Abstract:
Source: RU124653U 1. All–terrain vehicle that contains all–wheel Skid chassis powertrain transmission via bridge leading independently sprung wheels with low pressure, as well as the two–volume set on the chassis body, equipped with doors, fenders, hood, grille, running boards and lighting devices, characterized in that the body made frameless, and its elements are placed over the surface of the frame shassi.2. Terrain Vehicle according to claim 1, characterized in that the body is made of laminated composite material, and are driven axles of the front and rear dispensing korobok.3. All–terrain vehicle according to claim 2, wherein the body side are flat, and the average drive is equipped with a parking disc tormozom.4. All–terrain vehicle according to claim 3, wherein the hood body is made with symmetrical trapezoidal grooves and holes on each side adjacent to the side of the windshield and placed substantially over the front wheels and the front transfer case equipped with a through valom.5. Terrain Vehicle according to claim 4, characterized in that the wings are made from the front wheels under the projections lighting devices, and the rear wall of the body is equipped with openings symmetric tailgate.

0) TWD109339S – ALL−TERRAIN VEHICLE (1) (MACHINE TRANSLATION)

114) Family number: 45747800 (TWD109339S)

© PatBase

Title: All−terrain vehicle (1) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD109339 S1	20060221	TW20050300069F	20050105

Locarno class: 21/01

Abstract:
Source: TWD109339S

Machine translation: [Goods use]; This creation is one kind of all−terrain vehicle, is one kind may go in the sand beach, jolts vehicles of the road surface. ; [Creation characteristic]; This creation has is united as one body the vehicle shell, is located the ventral vehicle shell to form the multi−layered next best design, but proceeds in the front end root edge shape to collect V shape fender among, place above is equipped with in V shape fender is located V shape Lou dead slot, is located headlight of the both sides, and is located V shape Lou dead slot to form with in two headlight between vehicle shells has the concave ditch, as soon as forms has the multi−surface, the multi−level vehicle shell, the derivation rough, the heroic visual impression, quite conforms to use of image the all−terrain vehicle.



0) JP7110627B – FRONT FENDER DEVICE FOR SADDLING TYPE CAR FOR T...

115) Family number: 9012275 (JP7110627B) © PatBase

Title: FRONT FENDER DEVICE FOR SADDLING TYPE CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19860156918 19860703

Family:

Publication number	Publication date	Application number	Application date
JP2070315 C3	19960710	JP19860156918	19860703
JP63013873 A2	19880121	JP19860156918	19860703
JP7110627 B4	19951129	JP19860156918	19860703

Probable Assignee: YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** ONO YOSHIHIRO ; YAMAKAWA TATSUO

International class (IPC 8–9)**:** B62J15/00 B62J6/02 (Advanced/Invention)

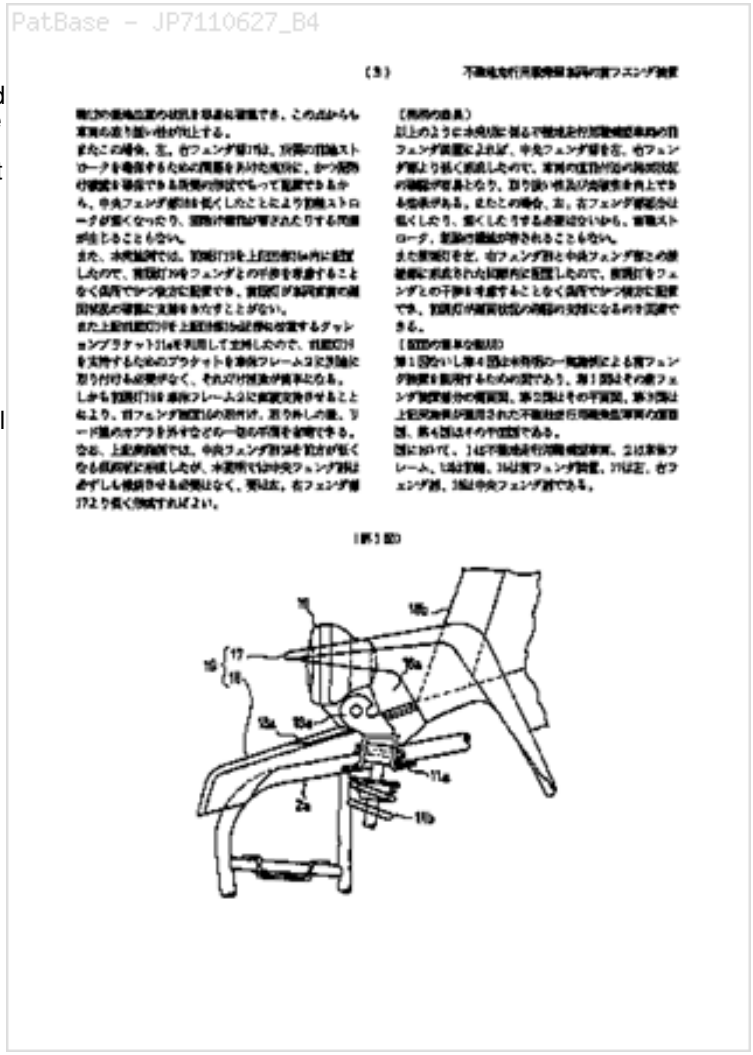
International class (IPC 1–7)**:** B62J15/00 B62J6/02

Classification Explorer

Cited documents: JP58147886 U1,

Forward Citations: JP2077381,

Abstract:
Source: JP7110627B . [Source: Claim 1] **1** the front left of the vehicle body frame, the all−terrain for a straddle−type vehicle equipped with a front wheel with wide ultra−low pressure tires to the right, the left, left to be located above the right of the front wheel, and the right fender part, the left, in Getting Starte fender device name from the central fender portion located between the right fender part, forming the central fender portion left, lower than the right fender part feature with, left, a concave recess formed in the rear of the vehicle in a plan view in the connection portion between the right Fe Sunda portion and the central fender part, the left, that the headlight was arranged to the right of the recess to before full Enda apparatus of a straddle−type vehicle for rough terrain that



0) TWD105447S – ALL–TERRAIN VEHICLE (MACHINE TRANSLATION)

116) Family number: 45749594 (TWD105447S)

© PatBase

Title: All–terrain vehicle (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD105447 S1	20050701	TW20040304092F	20040712

Locarno class: 21/01

Abstract:
Source: TWD105447S

Machine translation: [Goods use]; This creation is one kind of all–terrain vehicle, is one kind may go in the sand beach, jolts vehicles of the road surface. ; [Creation characteristic]; Like the chart shows among, Che of Kegong this creation by is located the main vehicle shell, as well as is located side of shell the both sides, as well as the front mudguard composes, crown of center–section the main vehicle shell for indents the seat cushion slightly front, as soon as leans the shell to form is located between the trailing wheel footboard, its rear end upward raises forms the blanketing after the trailing wheel the fender again, but the front mudguard is supposes the blanketing curved crown of in the front wheel, by front view it, the main vehicle shell front end forms faces forward to suppose and to collect Cheng Jianzui slanting vehicle of forehead the shape, Yu Jianzui the shape vehicle forehead center–section plays the part of sticks out, should stick out a baseAlso collects the sharp pyramidal, and in sticks out a center–section to be equipped with circular of headlight two like eye shape, as soon as but is equipped with above the front of a train is located between two hand the emperor crown roof panels, but front the front mudguard dynasty curved supposes slightly, and assumes the cone–shape to collect, again by left side, right side view it, the before and after fender nearly front of a train of, the tailstock same angle with the host vehicle shell extends, but assumes the uniform design. ; The comprehensive survey whole, foresight of view it by this creation, its front of a train, the front bumper putty, as well as the emperor coronal roof panel, causes this creation to present the military might the king style, forms the Ying different vision effect.



0) JP7121714B – COOLING–AIR DISCHARGE STRUCTURE OF SADDLING TYP...

117) Family number: 9012278 (JP7121714B)

© PatBase

Title: COOLING–AIR DISCHARGE STRUCTURE OF SADDLING TYPE CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19860156923 19860703

Family:

Publication number	Publication date	Application number	Application date
JP2080844 C3	19960809	JP19860156923	19860703
JP63013876 A2	19880121	JP19860156923	19860703
JP7121714 B4	19951225	JP19860156923	19860703

Probable Assignee: YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** ONO YOSHIHIRO ; YAMASHITA TERUYOSHI

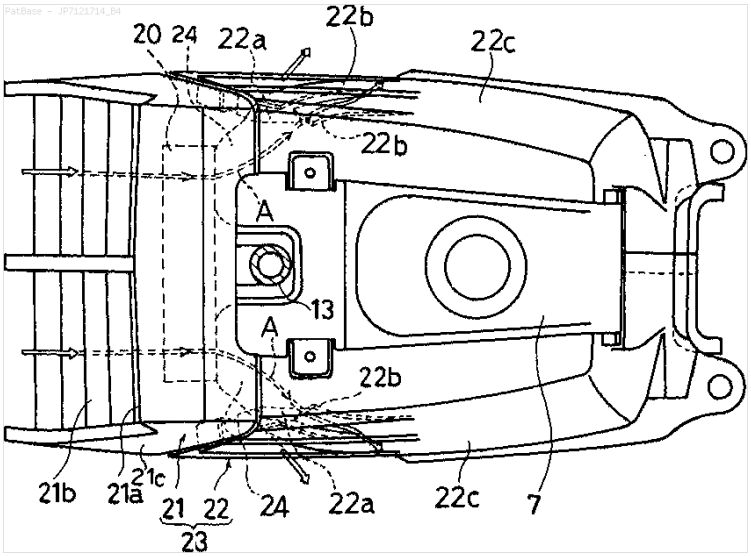
International class (IPC 8–9)**:** B62J23/00 B62J99/00 (Advanced/Invention); B62J23/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J23/00 B62J39/00

Classification Explorer

Cited documents: JP60161220 A2,

Abstract:
Source: JP7121714B . [Source: Claim 1] **1** left, backward to the central part in the vehicle width direction of the front body frame with attached take on end a steering wheel for steering the front wheel of the right inclined to arranged steering shaft, a a radiator forward, the fuel tank is arranged rearwardly, the vehicle for all terrain covering the said a radiator and the fuel tank with a cover, said radiator a by forming parallel steering axis substantially a part also at least the front of the fuel tank as well as placed in the steering shaft and Ryakutaira line, left of ?? adaxial, the radiator on the right side a left sandwiched between the fuel tank, to form a right space, the left and the central fender portion of the front fender apparatus disposed above the right front wheel, left, is positioned below the right off Enda unit, and the left, and eaves–like by protruding up to the vicinity of the distal end portion of the vehicle body frame before falling in between the right fender part, after the central fender portion and lt; TXF FR = 0002 HE = 060 WI = 080 LX = 1100 LY = 2050 and gt; to the end as well as arranging the air guide cover in an upright state covering the radiator, to form an air guide port on the front of the conductor–style cover, and the left of the conductor–style cover, the lower part of the left of the right side wall, erected a connection wall that connects the central fender portion and the left to the right side, and the right fender part, the left of the steering axis and the fuel tank, left of the wind guide cover on the right side, right side wall and a flush followed by disposing the side cover extending to the rear, at the side surface front portions of the side cover, and left of the steering column, forming a discharge Kazeguchi to be positioned on the right side, the running wind that has cooled the above radiator but the left, left to be discharged to the outside through the right space, the radiator cooling structure for all terrain for a straddle–type vehicle is characterized in that the formation of the right exhaust air through path



0) JP62143779A – PROTECTIVE STRUCTURE OF FRONT SECTION FOR SADDL...

118) Family number: 9313351 (JP62143779A) © PatBase

Title: PROTECTIVE STRUCTURE OF FRONT SECTION FOR SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19820017324 19820205 JP19860296341 19861212

Family:

Publication number	Publication date	Application number	Application date
JP1942764 C3	19950623	JP19860296341	19861212
JP6067751 B4	19940831	JP19860296341	19861212
JP62143779 A2	19870627	JP19860296341	19861212

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD

Inventor(s):(std)**:** GOTO AKIRA ; KOSAKA MASAO ; MURAKAMI TAKESHI ; SHINOHARA YOSHIKI ; TSUTSUMIGOSHI SHINOBU

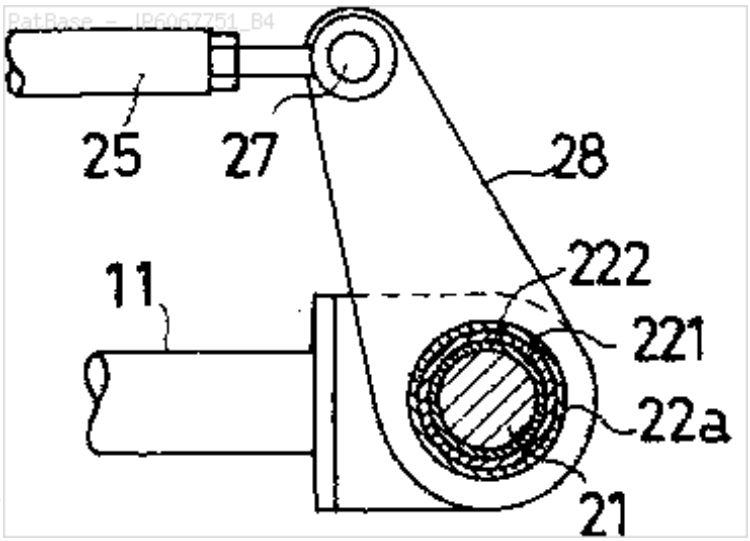
International class (IPC 8–9): B62J23/00 B62J25/00 B62K5/00 (Advanced/Invention); B62J23/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62J23/00 B62J25/00 B62K5/00

Classification Explorer

Cited documents: US4082155 A, JP56073694 U1, JP56073694 U, JP55138181 U1, JP55138181 U, JP51078560 U1, JP51078560 U,

Abstract:
Source: JP6067751B . [Source: Claim 1] **1** to the front left and right and rear left and right of the frame, the wheels and the rear wheels before wearing the balloon Ntaiya with each two–wheel, steering to the frame over–time toward the frame rearward from the shaft support rear you rotatably supported a shaft placed vertically elongated sheet substantially in central frame, the steering shaft under the edge and the link coupling a bar handle which is provided at the upper end of the steering shaft with steering the previous two–wheel through a knuckle arm of the front wheel side who, placed on the vehicle body left and right of the above–mentioned sheet down the steps in between the front and rear wheels, the drive and all–terrain wheels in equipped with engine between the front and rear wheels straddle–type four–wheel vehicle shall apply to travel, the outer edge of the tire width of the front wheels W 1 smaller than the tire width W of the rear wheels (W 1 width l and 1 the front wheel width l of 2 than disposed on the inner side (l 1 , covers the front wheel upper portion of the left and right, and, the outer edge limber and lt; TXF FR = 0002 HE = 075 WI = 080 LX = 1100 LY = 2050 and gt; and the left and right of the fender that was positioned on the inside than Wasotogawa, center Fe covering the frame top center between these fender mutual and Sunda, directed from the rear of the center fender and the front wall to climb stand toward Ke diagonally backward to cover the steering shaft upward forward, upward as the inside of the left right fender to cover the steering shafts upper side and a top cover consisting of a front wall, respectively, are positioned at the rear than the front edge of the front wheels of each front edge of the left and right of the fender and the center fender, to frame the front left and right between the left and right front wheels, said Sen Tafenda width and generally have an equal interval along with the to projecting the left and right guard legs toward the people on the front slanting the tip of the guard inter–leg, the front edge of the thick left and right front wheels in the front of the leading edge of the center of the fender in a more rearward position, the front protective structure for all–terrain for a straddle–type four–wheeled vehicle, characterized in that linked by a bridge member of circular cross–section



0) JP62143781A – SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON ...

119) Family number: 9313355 (JP62143781A) © PatBase

Title: SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19820017324 19820205 JP19860296343 19861212

Family:

Publication number	Publication date	Application number	Application date
JP1942766 C3	19950623	JP19860296343	19861212
JP6067753 B4	19940831	JP19860296343	19861212
JP62143781 A2	19870627	JP19860296343	19861212

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD

Inventor(s):(std)**:** GOTO AKIRA ; KOSAKA MASAO ; MURAKAMI TAKESHI ; SHINOHARA YOSHIKI ; TSUTSUMIGOSHI SHINOBU

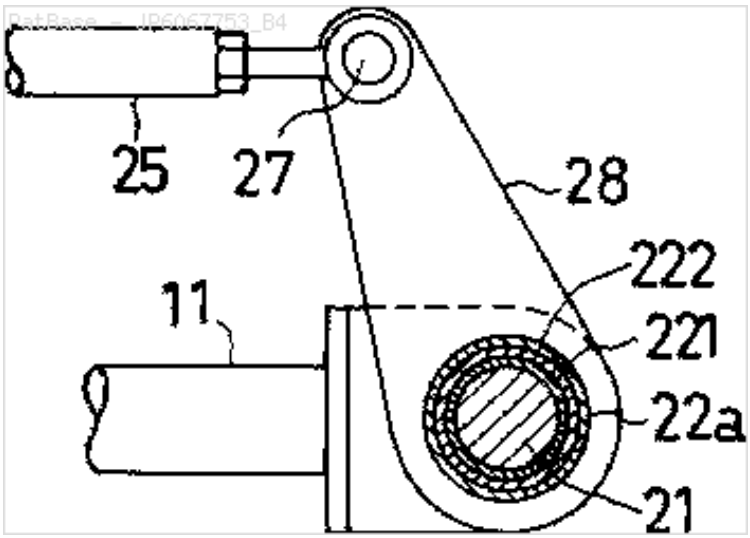
International class (IPC 8–9)**:** B62J23/00 B62J25/00 B62J99/00 B62K5/00 (Advanced/Invention); B62J23/00 B62J25/00 B62J99/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62J23/00 B62J25/00 B62J39/00 B62K5/00

Classification Explorer

Cited documents: US4082155 A, JP56164883 U1, JP56164883 U, JP56073694 U1, JP56073694 U, JP56041055 U1, JP56041055 U, JP56041055, JP55138181 U1, JP55138181 U, JP55138123 U1, JP55138123 U, JP54041055 U1, JP54041055 U,

Abstract:
Source: JP6067753B . [Source: Claim 1] **1** to the front left and right and rear left and right of the frame, the wheels and the rear wheels before wearing the balloon Ntaiya with each two–wheel, steering to the frame over–time toward the frame rearward from the shaft support rear you rotatably supported a shaft placed vertically elongated sheet substantially in central frame, the steering shaft under the edge and the link coupling a bar handle which is provided at the upper end of the steering shaft with steering the previous two–wheel through a knuckle arm of the front wheel side who, step placed in the frame left and right of the above–mentioned sheet downward between the front and rear wheels, the drive and all–terrain wheels in equipped with engine between the front and rear wheels a straddle–type four–wheel vehicle to be traveling, the tire width of the front wheels W 1 smaller than the tire width W of the rear wheels (W 1 –up placement than on the inside width l of the front wheels 2 the outside edge width l 1 of (l 1 and lt; l 2), and covers the front wheel upper portion of the left and right, and, the outer edge and lt; TXF FR = 0002 HE = 070 WI = 080 LX = 1100 LY = 2050 and gt; left and right of that was positioned on the inside than the outside of the front wheel and the fender, and the center Fenda covering the frame top center between these fender mutual, and the front wall, which was climbed stand towards towards after diagonally to cover the steering shaft upward forward from the rear of the center fender, on the inside of the left right fender said each provided a top cover consisting of a front side wall toward the upward so as to cover the steering shaft upper side, left right fender and the back and the front edge of the centers fender is positioned to the left and right front wheels balloon tire leading edge by Risorezore backward Center the front edge of the fender left fender front is positioned behind and / or below the edge, further rough terrain you characterized in that to open the air inlet to the inclined portion of the front wall of the top cover subsequent to the center fender front cover structure in the running for a straddle–type four–wheel vehicle



0) EP3141466A1 – SATTELFAHRZEUG SADDLE–TYPE VEHICLE VEHICULE D...

120) Family number: 65151634 (EP3141466A1) © PatBase

Title: SATTELFAHRZEUG SADDLE–TYPE VEHICLE

Priority: JP20150179676 20150911

Family:

Publication number	Publication date	Application number	Application date
EP3141466 A1	20170315	EP20160185065	20160822
JP2017052484 A2	20170316	JP20150179676	20150911

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** CARBONARA MAURIZIO ; ITO SATOSHI

Agent(s): BEDER JENS

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 B62J25/00 (Advanced/Invention)

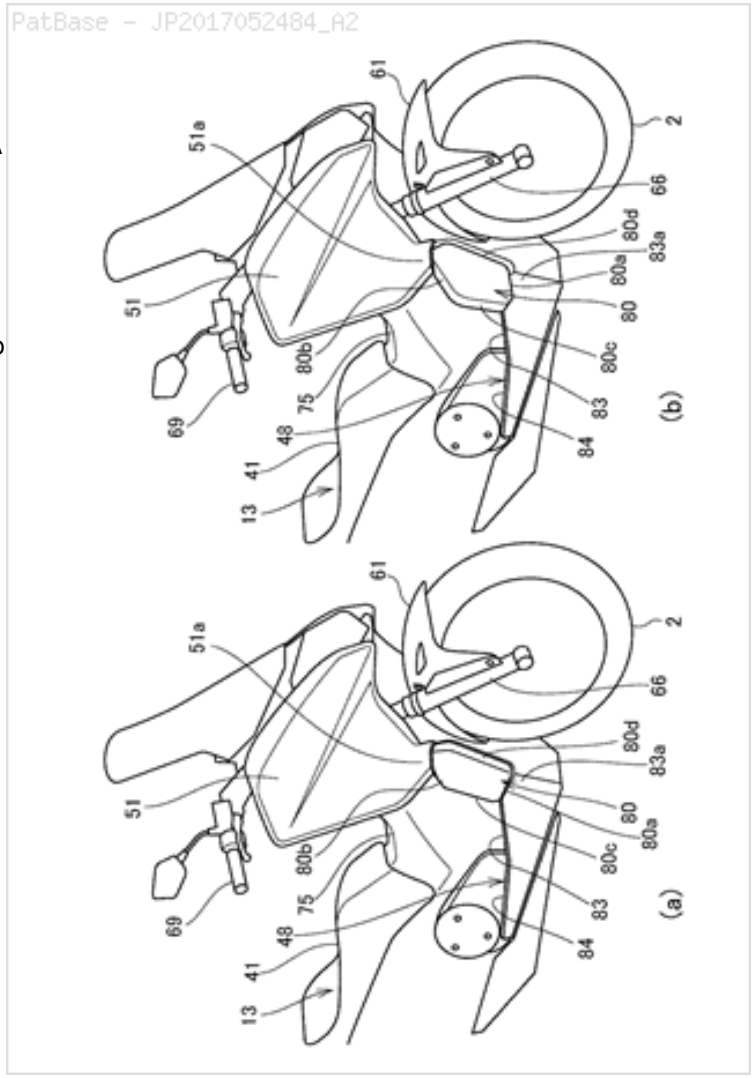
CPC: B62J25/00 B62J17/02 B62K2202/00

Classification Explorer

Cited documents: US2015197309 AA, JP11263265 A2,

DE102014200715 A1

Abstract:
Source: EP3141466A1 To provide a saddle−type vehicle having a step structure which makes it possible for the vehicle to travel comfortably on a wide variety of road conditions from urban roads to rough terrain. A saddle−type vehicle having a main step 48 provided longitudinally continuously at a position disposed outwardly in the widthwise direction of the vehicle between a bar handle 69 and an occupant seat 13, includes a plate−like step 80 that is separate from the main step 48 and provided at a position forward of the main step 48, the plate−like step 80 being provided openably and closably such that the plate−like step 80 has an outer edge 80c that is positioned outwardly in the widthwise direction of the vehicle when the plate−like step 80 is open and that is positioned upwardly when the plate−like step 80 is closed.



0) US2006277803A – STICKER HOLDER AND PROTECTOR FOR OFF–ROAD VEHIC...

121) Family number: 33992506 (US2006277803A)

© PatBase

Title:	STICKER HOLDER AND PROTECTOR FOR OFF–ROAD VEHICLES
Priority:	US20050150669 20050610

Family:

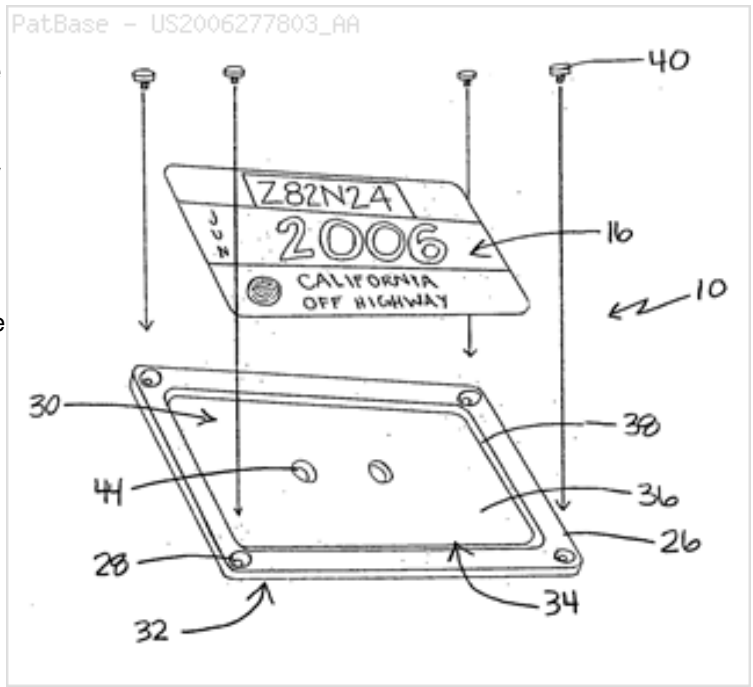
Publication number	Publication date	Application number	Application date
US2006277803 AA	20061214	US20050150669	20050610

Probable Assignee:	COTTA DANA D
Assignee(s):(std):	COTTA DANA D ; COTTA RUSSELL R
Inventor(s):(std):	COTTA DANA D ; COTTA RUSSELL R
Inventor(s):	COTTA RUSSELL ; COTTA DANA
Agent(s):	RICHARD A RYAN ATTORNEY AT LAW
International class (IPC 8–9):	G09F7/00 (Advanced/Invention); G09F7/00 (Core/Invention)
CPC:	B60R13/105 G09F3/20 G09F21/04
European class:	B60R13/10B G09F21/04 G09F3/20
US class:	40/209

Classification Explorer

Cited documents:	US6592137 BB, US6553695 BA, US6478458 BB, US6243977 BA, US6105287 A, US4958451 A, US4790087 A, US4736539 A, US3918187 A, US2888764 A,
Forward Citations:	USD709816, US8695243, US8230627, US8171660, US2009094868, US2009068392, US2009000170, US2006163299,

Abstract:
Source: US2006277803A A sticker holder and protector apparatus for attaching a sticker type of identifying device to a mounting component, such as a fender, of an off–road vehicle, including motorcycles and all terrain vehicles. The preferred sticker holder has a sticker body with a sticker cavity, shaped to correspond to the identifying device, on the front side thereof for receiving the identifying device on the mounting surface thereof. One or more sidewalls, which substantially encircle the mounting surface, are chamfered to reduce the likelihood that rocks, bushes, power spray wash systems or other hazards will damage or remove the identifying device from the off–road vehicle. One or more screws or other mounting members can attach the sticker holder to the off–road vehicle. The sticker holder allows the owner or operator to replace the mounting component without having to acquire a replacement identifying device.



0) USD602401S – ALL TERRAIN VEHICLE

122) Family number: 43841643 (USD602401S) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: TW20080306916F 20081205

Family:

Publication number	Publication date	Application number	Application date
TWD131685 S1	20091101	TW20080306916F	20081205
USD602401 S1	20091020	US20090330413F	20090107

Probable Assignee: KWANG YANG MOTOR CO

Assignee(s):(std)**:** KWANG YANG MOTOR CO

Assignee(s): KWANG YANG MOTOR CO LTD

Inventor(s):(std)**:** CHAO CHIN WEI ; CHEN NEA YU ; HUANG KUO FENG ; LIN CHENG WEI

Agent(s): LEONG C

US class: D12/107

Locarno class: 12/11 12/08

Classification Explorer

Cited documents: USD560559, USD529414, USD516961, USD438823, USD412464, TWD124149, TWD123969, TWD118180, TWD117092, TWD113020, TWD112034, TWD111537,

Abstract:
Source: TWD131685S



Machine translation: [Goods use] This creation is takes one kind leisure of transportation tool in the entire terrain use [Creation characteristic] This creation has about one kind of leisure vehicle outward appearance design, its creation characteristic lies in take the shark modelling as this vehicle funds outward appearance modelling design development main axle, the whole sharp modelling coordinates the fill person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project streamline line again, has tensity curved surface matching to build the power abundantly full, the fill strength outward appearance modelling. Breaks out the sharp triangle curved surface on the front and rear mudguard of wheel by Gao Tiaozhuang to have like the shark powerful fish fin dorsal fin, also can reveal the whole seemingly sharpness suddenly and the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project increase vision intensity. Front two big kidney air intake port modelling, but also has the large−scale sharp keratinization head lamp headlamp, is matching the front mudguard whole from two direction central bevelling sharp modelling surface, has the shark from the forward observation which like fierceness hovers fast to plunge the game, even if the vehicles poor character enter also can let the human feel the vehicles are making the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project which moves. From the sidelong glance onlooking chassis modelling, the overall modelling line is even more sharp, hollows out the side to appear externally the engine and the gearbox, appears the overall power abundant thought, can reduce the outward appearance weight feeling, reveals the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project, the streamline, the lithe carriage suddenly. The foot board part uses with the fender separation formula design, may cause in the visual modelling a lither person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project, has mixes the all−terrain vehicle the movement and the practical two kind of vehicle funds modelling image, but has the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project outward appearance also to have the practical performance, displays this aircraft type performance and the person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project fully, belongs to one kind of new mixed style aircraft type outward appearance design.

123) Family number: 45726064 (TW244202S)

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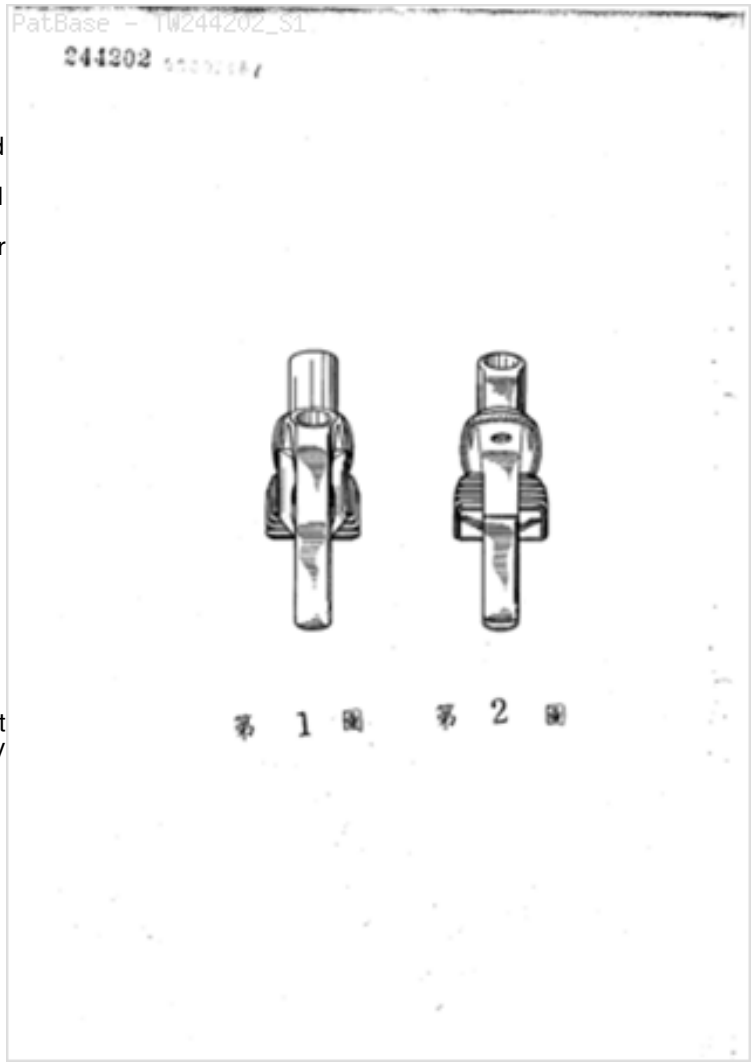
Title: All–terrain vehicle frame (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW244202 S1	19950321	TW19940307487F	19940903

Abstract:
Source: TW244202S

Machine translation: But this creation is model of design one kind of all–terrain vehicle frame, You Zhi a modelling vanguard new tide the outline exquisite also the line smooth frame. ; According to, is accustomed to seeing the all–terrain vehicle, its frame many reveals design for the pure triangle bar frame body is monotonous, is stereotypical; But the announcement creation namely regards the feeling clumsily for the improvement custom thing ad hoc. ; If the attached figure shows, characteristic of the this creation is lies in the overall frame is the design for has solid one regards the feeling, above the side cross rod and backward extends in the one to curl upwards the rear part, reaches to both sides of the this crook to form the wide abdomen lap and a drive pipe, also curls upwards the rear part along on to extend forms a fender; In addition, is may establish canteen of exactly the relative shape triangle of space in the horizontal bar frame constitution, also on the pot body the shape and the breast bone becomes suits the hand to grasp holds the arc tune scoop channel, but two matches to set off the effect to make the overall frame modelling mutually to reveal exquisitely careful, really has the padding to regard the feeling. ; Is by, as soon as all–terrain vehicle of frame development this creation the unique flavor has been possible be called conforms with the exclusive law stipulation the new model, whence hands in the application legally.



0) JP63013877A – TANK SUPPORT STRUCTURE OF SADDLING TYPE CAR FOR...

124) Family number: 9012280 (JP63013877A) © PatBase

Title: TANK SUPPORT STRUCTURE OF SADDLING TYPE CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19860156925 19860703

Family:

Publication number	Publication date	Application number	Application date
JP2524332 B2	19960814	JP19860156925	19860703
JP63013877 A2	19880121	JP19860156925	19860703

Probable Assignee: YAMAHA MOTOR CO LTD

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

Inventor(s):(std)**:** ONO YOSHIHIRO ; YAMAKAWA TATSUO

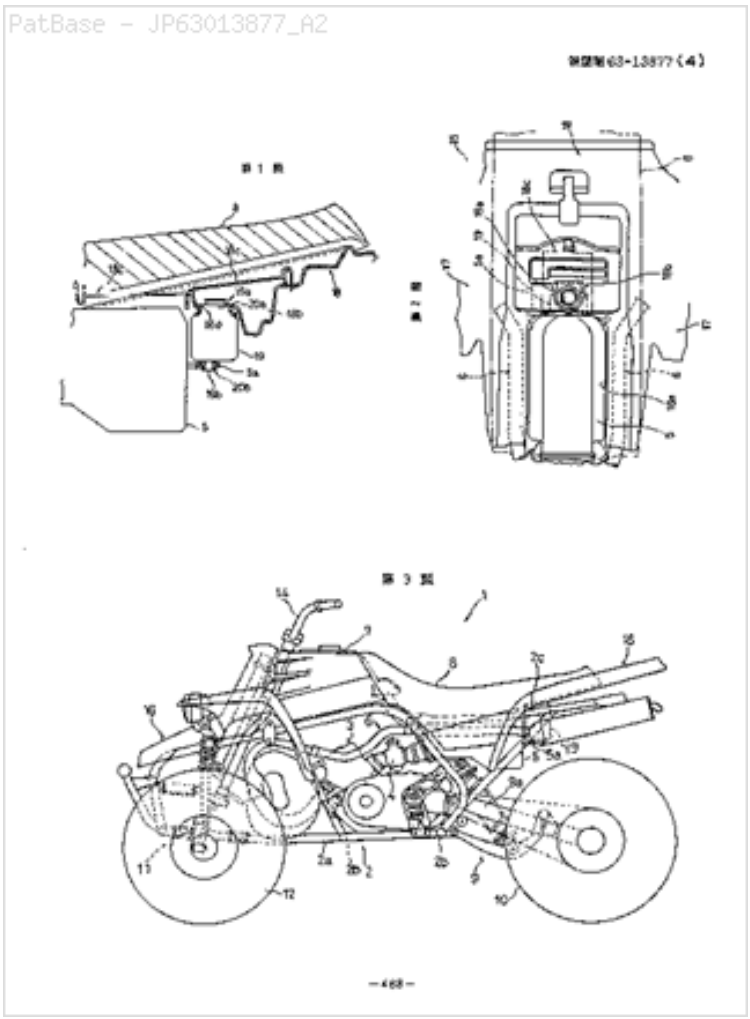
International class (IPC 8–9)**:** B62J15/00 B62J35/00 (Advanced/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J35/00

Classification Explorer

Cited documents: JP60152587 U1,

Abstract:
Source: JP2524332B . [Source: Claim 1] **1** rear left of the vehicle body frame, fitted with a wide ultra–low pressure data later with tire wheel to the right, center left Fe, on the upper side of the rear wheel of the right Sunda portion and the left, place a fender device after consisting of the right fender portion, in the straddle–type vehicle for rough terrain equipped with a saddle–shaped sheet above the central fender portion, the liquid in the lower portion of the rear fender equipment I structure Dare to support the tank to accommodate the like, to Tomo and recessing the receiving recess in the central fender portion, provided with a lid that opens and closes the top opening of the receiving recess, the accommodating the inlet of the above–mentioned tank to protrude into the Rutotomoni the receiving recess to fit fixed to the support hole of the recess, for all terrain that by the vehicle components that have been supported in the vicinity of the top–mentioned tank of the vehicle body frame is characterized in that supporting the lower portion of the tank tank support structure of the straddle–type vehicle



0) TWD119503S – ALL TERRAIN VEHICLE

125) Family number: 45727942 (TWD119503S) © PatBase

Title: ALL TERRAIN VEHICLE

Family:

Publication number	Publication date	Application number	Application date
TWD119503 S1	20071021	TW20060306072F	20061103

Probable Assignee: MOTIVE POWER INDUSTRY CO LTD

Assignee(s): MOTIVE POWER INDUSTRY CO LTD

Inventor(s): FRANCIS LEPAGE

Locarno class: 12/08

Abstract:
Source: TWD119503S

Machine translation: [Goods use]; This creation is one kind is suitable for the open country, the sand beach and so on all–terrain vehicle of the non–plane path travel. [Creation characteristic]; All–terrain vehicle of the this creation has class of striation chassis by the frame constitution, after in front of this chassis the flat width also assumes the arc frame shape front the chassis, but front end the arc frame has one assumes the T modelling lid slightly about, this T modelling covers the both sides to be equipped with two front lights separately, the both sides has about the chassis assumes X shape to surmount the frame slightly, has a long shield sun shield in the chassis crown, but the chassis base four side quoins are equipped with a wheel separately, has an arc fender respectively above the wheel, has the cluster engine between this hull back two trailing wheels, moreover, in this chassis is equipped with two gable type vehicle raceThe chair, also front vehicle race chair is equipped with a driving installment.



0) US2013096246A – COMPOSITE MATERIAL AND RELATED METHODS

126) Family number: 53516517 (US2013096246A) © PatBase

Title: COMPOSITE MATERIAL AND RELATED METHODS

Priority: US20110546109P 20111012 US20120650804 20121012

Family:

Publication number	Publication date	Application number	Application date
US2013096246 AA	20130418	US20120650804	20121012
WO13056177 A1	20130418	WO2012US60132	20121012

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA PATENTS AND TECH NORTH AM ; HONDA PATENTS AND TECHNOLOGIES NORTH AMERICA LL ; HONDA PATENTS AND TECHNOLOGIES NORTH AMERICA LLC

Assignee(s): HONDA MOTOR CO LTD

Inventor(s):(std)**:** WALKER ERIC ; WALKER ERIC J

Agent(s): SCHLUE DANIEL J

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 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 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): B60C1/00 C08K3/04 (Advanced/Invention)

CPC: C08K3/04 C08K2201/003 C08K2201/006

US class: 524/496

Classification Explorer

Cited documents: WO10088488, US6242124, US2011040007, US2010147188, US2009054578, US2009043049, US2008171824,

Abstract:
Source: US2013096246A A composition having a composite material having a polymer with about 1 percent to about 3 percent by weight thin−graphite materials dispersed therein; the thin−graphite materials having diameters less than or equal to 2 microns and a surface area greater than or equal to about 300 m2 per gram; and the composite material having a tensile modulus that is at least 25 percent greater than the unfilled polymer.

PatBase - US2013096246_AA

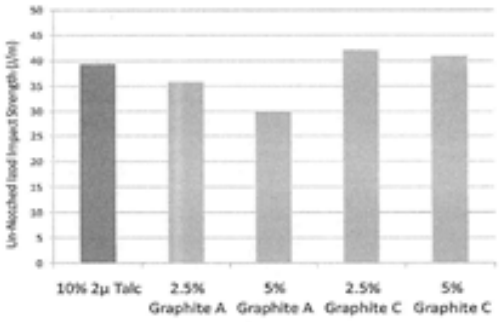


Figure 1

0) CA97114S – FRONT FENDER FOR AN ALL TERRAIN VEHICLE

127) Family number: 53707790 (CA97114S) © PatBase

Title: FRONT FENDER FOR AN ALL TERRAIN VEHICLE

Priority: CA20000097114F 20000519

Family:

Publication number	Publication date	Application number	Application date
CA97114 S	20030829	CA20000097114F	20000519

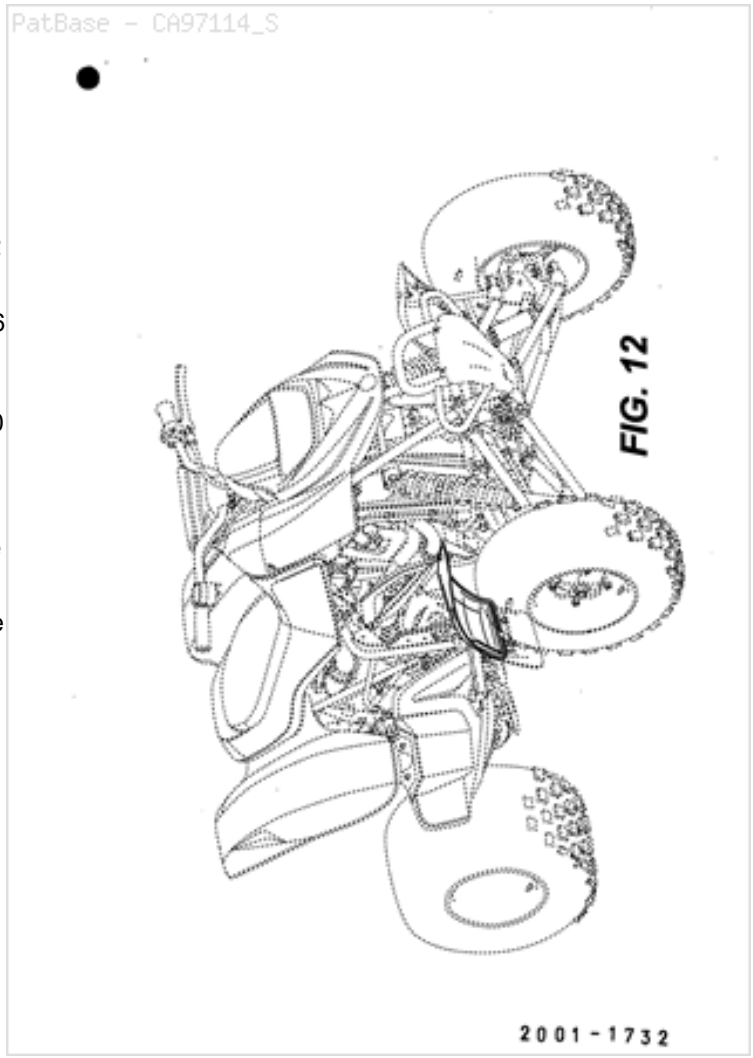
Probable Assignee: BOMBARDIER RECREATIONAL PROD

Assignee(s):(std)**:** BOMBARDIER RECREATIONAL PROD

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER INC

Agent(s): BOMBARDIER RECREATIONAL PRODUCTS INTELLECTUAL PROPERTY DEPARTMENT

Abstract:
Source: CA97114S The design is the visual features of the front fender shown in the drawings, whether those features are features of one of shape, ornament, pattern and configuration or are a combination of any of these features.Drawings of the design are included wherein:Figure 1 is a perspective illustration, from the front and right side, of a first embodiment of a right front fenderFigure 2 is a left side view thereof;Figure 3 is a right side view thereof;Figure 4 is a top view thereof;Figure 5 is a front view thereof;Figure 6 is a rear view thereof;Figure 7 is a left side view of a first embodiment of a left front fender of our design;Figure 8 is a right side view thereof;Figure 9 is a top view thereof;Figure 10 is a front view thereof;Figure 11 is a rear view thereof;Figure 12 is a perspective illustration, from the front and right side, of a second embodiment of a right front fender Figure 13 is a left side view thereof;Figure 14 is a right side view thereof;Figure 15 is a top view thereof;Figure 16 is a front view thereof;Figure 17 is a rear view thereof;Figure 18 is a left side view of a second embodiment of a left front fender of our design;Figure 19 is a right side view thereof;Figure 20 is a top view thereof;Figure 21 is a front view thereof;Figure 22 is a rear view thereof.Where included, broken lines showing environment are for illustrative purposes only and form no part of the design.



0) IN03496MU2015A – SAFETY DEVICES FOR TWO WHEELERS AND THEIR APPLI...

128) Family number: 60742041 (IN03496MU2015A) © PatBase

Title:	SAFETY DEVICES FOR TWO WHEELERS AND THEIR APPLICATION THEREOF
Priority:	IN2015MU03496 20150911

Family:

Publication number	Publication date	Application number	Application date
IN03496MU2015 A	20151106	IN2015MU03496	20150911

Probable Assignee:	BHUMIKA TANDON
Assignee(s):	BHUMIKA TANDON
Inventor(s):	BHUMIKA TANDON
International class (IPC 8–9):	B62J27/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN03496MU2015A The present invention is generally related to installation of a single straight safety bar measuring one foot or more will be located in the same area where the safety bars in located on the front side of the motorcycle/two wheeler on both left and right side of the front wheel and similarly installation of a single straight safety bar measuring one foot or more near the rear wheel of the two wheeler/motorcycle. In addition to such provisions, addition of removable backrests/removable seats attached with seatbelts which hold the driver from all the four sides for both the driver's seat and pillion of the motorcycle/scooter to minimize the impact of momentum of the vehicle during any accident and also to upgrade the safety features of motorcycle/scooter while running on the road. Double front and back fenders attached to the tyres with shock absorbers to stop the impact of a collision and the increased length of the front and back fenders to ensure they cover almost the entire tyre leaving only a few centimeters between the road and the tyre to ensure the motorcycle tyre cannot accidently run over anyone's limb or small children or animals. The fenders can be lifted with the help of a lever in case of rugged terrain and subsequently brought down again.

129) Family number: 32170617 (USD508446S) © PatBase

Title: FLEXIBLE, TRIMMABLE FENDER TRIM FOR AN ALL TERRAIN VEHICLE

Priority: US20040204121F 20040423

Family:

Publication number	Publication date	Application number	Application date
USD508446 S1	20050816	US20040204121F	20040423

Probable Assignee: WESTENSKOW JOHN E

Assignee(s):(std)**:** WESTENSKOW JOHN E

Inventor(s):(std)**:** WESTENSKOW JOHN E

Agent(s): SCHOONOVER DONALD R; DONALD R

US class: D12/186

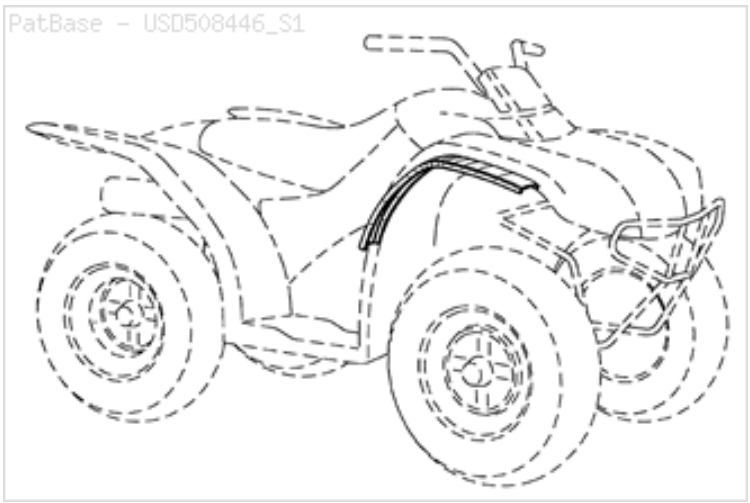
Locarno class: 12/16

Classification Explorer

Cited documents: USD398883, USD301174, USD293312, USD272335, USD269772, US5303795, US4284328,

Forward Citations: USD640007, USD617242,

Abstract:
Source: USD508446S I claim the ornamental design for a flexible, trimmable fender trim for an all terrain vehicle, as shown and described.



0) CA2472471A – ALL TERRAIN VEHICLE (ATV) SAFE DISPOSITIF DE S...

130) Family number: 32562396 (CA2472471A) © PatBase

Title: ALL TERRAIN VEHICLE (ATV) SAFE

Priority: CA20042472471 20040615

Family:

Publication number	Publication date	Application number	Application date
CA2472471 AA	20051215	CA20042472471	20040615

Probable Assignee: PORTER DOUGLAS D

Assignee(s):(std)**:** PORTER DOUGLAS D

Inventor(s):(std)**:** PORTER DOUGLAS D

International class (IPC 8–9)**:** B60R25/00 B60R25/09 (Advanced/Invention); B60R25/00 (Core/Invention)

International class (IPC 1–7)**:** B60R25/00

CPC: B60R25/00

European class: B60R25/00

Classification Explorer

Abstract:
Source: CA2472471A The ATV Safe provides a custom fitting solid steel mechanical locking enclosure encasing one or both of either the front or rear wheels. Each enclosure is comprised of a convex steel cover over 1/2 of the wheel, welded to a full–sized flat plate outside and bumper plate to the inside, al l welded to a flat steel base. When locked, the other 1/2 of the wheel is covered by a convex sliding steel plate, attached at the top of the steel cover, complete with a staple on the lower end connecting to a hinged hasp. Further security is provided by a case hardened staple or chain welded to the base below an axle accommodating a padlock for the axle. The ATV Safe can be free standing, bolted in the rear of a full sized pick–up truck, on a flat deck trailer, on a cement slab, or wood base.</SDOA B>

0) JP62168781A – SADDLING TYPE FOUR–WHEEL BARROR FOR TRAVELLING ...

131) Family number: 8723175 (JP62168781A) © PatBase

Title: SADDLING TYPE FOUR–WHEEL BARROR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19820017324 19820205 JP19860296338 19861212

Family:

Publication number	Publication date	Application number	Application date
JP1942761 C3	19950623	JP19860296338	19861212
JP6067748 B4	19940831	JP19860296338	19861212
JP62168781 A2	19870725	JP19860296338	19861212

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD

Inventor(s):(std)**:** GOTO AKIRA ; KOSAKA MASAO ; MURAKAMI TAKESHI ; SHINOHARA YOSHIKI ; TSUTSUMIGOSHI SHINOBU

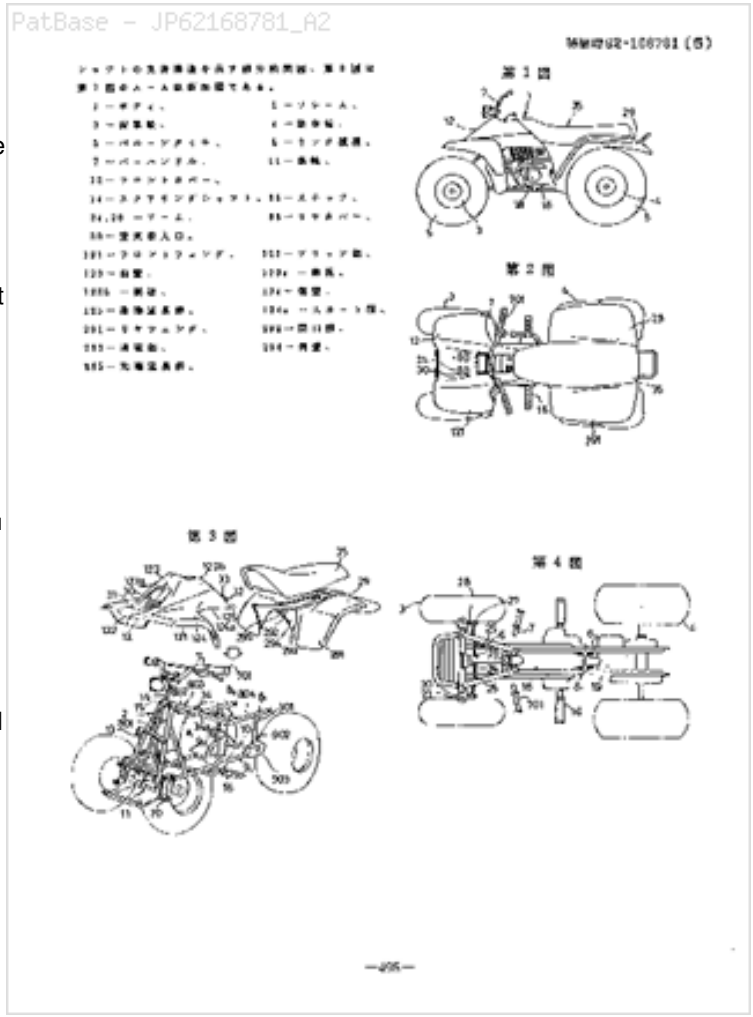
International class (IPC 8–9)**:** B62J23/00 B62J25/00 B62K5/00 (Advanced/Invention); B62J23/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B62J23/00 B62J25/00 B62K5/00

Classification Explorer

Cited documents: US4082155 A, JP55138123 U1, JP55138123 U, JP55135686 U1, JP55135686 U,

Abstract:
Source: JP6067748B . [Source: Claim 1] **1** to the front left and right and rear left and right of the frame, the wheels and the rear wheels before wearing the balloon Ntaiya with each two−wheel, to the frame over−time towards the frame behind the steering shaft freely from the steering shaft support rear you journaled rotation placed the portrait of sheet substantially at the center of the frame, and stearic Gushafuto lower end of the bar handle provided on the upper end of the steering shaft with steering the previous two−wheeled through the Nakkurua over arm of the front wheel side linked bond, the bar step is placed between the front and rear wheels of the vehicle body left and right of the seat down, drive the wheels in the engine mounted on between the front rear wheels and a straddle−type four−wheel vehicle traveling on rough terrain, tire width of the front wheels W $_1$ smaller than the tire width W of the rear wheel (W $_1$ then, and place the outside edge width l $_1$ on the inside than the width l $_2$ of the preceding vehicle wheel of bar steps of the left and right (l $_1$ and lt; TXF FR = 0002 HE = 075 WI = 080 LX = 1100 LY = 2050 and gt; and on covering the upper side of the left and right front wheels balloon tire wall, integrally molded and the rear wall covering the balloon tire backward, and, and the left and right front fender portion outside edge and than the front wheel balloon tire outside is positioned on the inside, and center Fe Sunda portion that covers the frame top center between the Furontofu Enda part mutual these left and right, from the inside edge of the front−fender part of the left right a substantially vertical side cover portion extending toward the rear, and a substantially vertical sidewalls above and from the upper wall and the front wall and the inner edge covers the front toward the front of the left and right rear wheels balloon tires were integrally formed and left and right of the rear fender part, a cylinder portion of the engine, side view of the vehicle, forward and a rearward of the rear wall of the front Ntofenda portion, rearward in front of the side walls of the re Yafenda portion, upward arranged at a position below the said side cover part, mounted on the frame at least a cylinder portion side of the engine in the exposed state, and lt; DP N = 0002 and gt; and lt; TXF FR = 0001 HE = 020 WI = 080 LX = 0200 LY = 0300 and gt; the ratio of the above before radius of curvature R $_1$ of the tire crown portion of the wheels and the tire crown portion of the rear wheel radius of curvature R $_2$ R $_1$ / R $_2$ and lt; all−terrain for a straddle−type four−wheel vehicle, characterized in that it is set to 1



0) JP62143777A – SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON ...

132) Family number: 9313346 (JP62143777A) © PatBase

Title: SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19820017324 19820205 JP19860296336 19861212

Family:

Publication number	Publication date	Application number	Application date
JP1942759 C3	19950623	JP19860296336	19861212
JP6067746 B4	19940831	JP19860296336	19861212
JP62143777 A2	19870627	JP19860296336	19861212

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD

Inventor(s):(std)**:** GOTO AKIRA ; KOSAKA MASAO ; MURAKAMI TAKESHI ; SHINOHARA YOSHIKI ; TSUTSUMIGOSHI SHINOBU

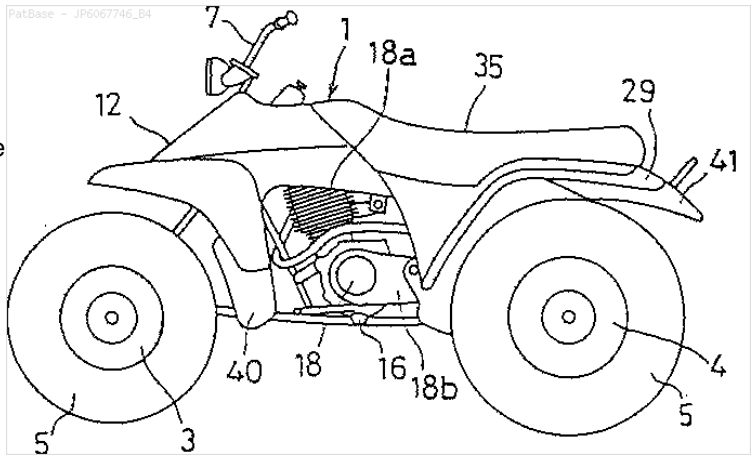
International class (IPC 8–9): B62J23/00 B62J25/00 B62K5/00 (Advanced/Invention); B62J23/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62J23/00 B62J25/00 B62K5/00

Classification Explorer

Cited documents: US4082155 A, JP56073694 U1, JP56073694 U, JP55138123 U1, JP55138123 U,

Abstract:
Source: JP6067746B . [Source: Claim 1] **1** to the front left and right and rear left and right of the frame, the wheels and the rear wheels before wearing the balloon Ntaiya with each two–wheel, to the frame over–time towards the frame behind the steering shaft from the shaft support rear you rotatably supported placing a vertically elongated sheet in approximately central of the frame, the steering shaft under the end and the link in the bar handle provided on the upper end of the steering shaft together with steering the front two wheels via a knuckle arm of the front wheel side bound, a bar step is arranged on the frame right and left of the sheet downwards between the front and rear wheels, the drive wheels with engine mounted on the frame between the front and rear wheels and a straddle–type four–wheel vehicle traveling on rough terrain, tire width of the front wheels W 1 smaller than the tire width W of the rear wheel (W 1 constant, and place the outer edge width l 1 than the inside width l of the front wheels 2 of the bar step of the left and right (l 1 and lt; TXF FR = 0002 HE = 075 WI = 080 LX = 1100 LY = 2050 and gt; and the front wheel balloon tire upward on the cover wall, integrally molded and the rear wall covering the tire backward, and, front balloon tires outside edge and the left and right of the front Fen da portion is positioned on the inside than the outside, and the center fender portion covering the frame over–time top center between the front fender part mutual these left and right, stand up toward the obliquely rearward from the center Fenda part, said and a wall before covering the steering shaft front, and the top cover part consisting of a side wall directed upward so as to cover the steering shaft both the left and right side on the inside of the left right on the front Ntofenda part, from the inside edge of the front fender part extending to the rear beauty, with each a substantially vertical direction of the side cover part with configuring the front cover unit, side view of the vehicle of the cylinder portion of the engine, the front is a behind the rear wall the front fender part, upward is placed in the position of the lower Ri by said side cover portion, at least Shirin and lt of the engine; da part side; DP N = 0002 and gt; and lt; TXF FR = 0001 HE = 030 WI = 080 LX = 0200 LY = 0300 and gt mounted on the frame at the exposed state, removably secured to each frame front the front cover device so as to be located in the rear of the leading edge from the left and right front wheels balloon tire leading edge of the left right on the front Ntofenda section and center fender part front cover device of all–terrain for a straddle–type four–wheel vehicle, characterized in that it was



0) JP62143780A – SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON ...

133) Family number: 9313353 (JP62143780A) © PatBase

Title: SADDLING TYPE FOUR–WHEEL CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19820017324 19820205 JP19860296342 19861212

Family:

Publication number	Publication date	Application number	Application date
JP1942765 C3	19950623	JP19860296342	19861212
JP6067752 B4	19940831	JP19860296342	19861212
JP62143780 A2	19870627	JP19860296342	19861212

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD

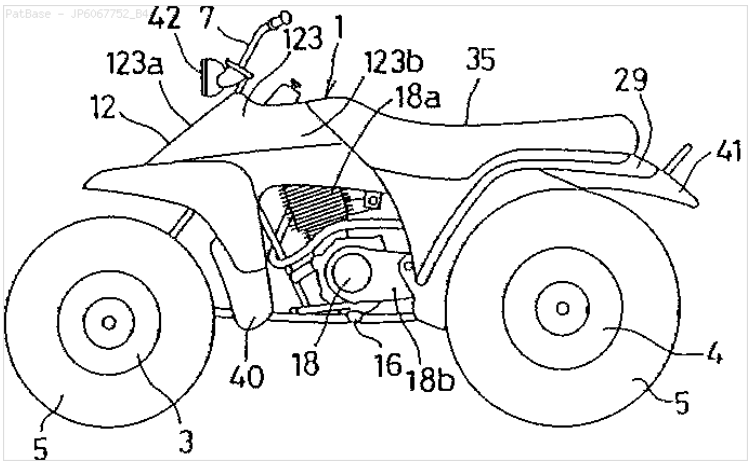
Inventor(s):(std)**:** GOTO AKIRA ; KOSAKA MASAO ; MURAKAMI TAKESHI ; SHINOHARA YOSHIKI ; TSUTSUMIGOSHI SHINOBU

International class (IPC 8–9): B62J23/00 B62J25/00 B62J6/02 B62K5/00 (Advanced/Invention); B62J23/00 B62J25/00 B62J6/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62J23/00 B62J25/00 B62J6/02 B62K5/00

Classification Explorer

Cited documents: US4082155 A, US2773392 A, JP56073694 U1, JP56073694 U, JP56043074 A2, JP56043073 A2, JP55138181 U1, JP55138181 U, JP55138123 U1, JP55138123 U, JP54139449 U1, JP54139449 U, JP47016656 u1, JP47016656 U, JP42012242 Y1,



Abstract:
Source: JP6067752B . [Source: Claim 1] **1** to the front left and right and rear left and right of the frame, the wheels and the rear wheels before wearing the balloon Ntaiya with each two–wheel, steering to the frame over–time toward the frame rearward from the shaft support rear you rotatably supported a shaft placed vertically elongated sheet substantially in central frame, the steering shaft under the edge and the link coupling a bar handle which is provided at the upper end of the steering shaft together with steering the front two wheels via a knuckle arm of the front wheel side and, arranged on the vehicle body right and left upper–mentioned sheet downward steps between the front and rear wheels, all terrain by driving the wheels by the engine which is mounted between front and rear wheels a straddle–type four–wheel vehicle that travels the, tire width of the front wheels W $_1$ smaller than the tire width W of the rear wheel (W $_1$ –up placement than on the inside width l of the front wheels $_2$ the outside edge width l $_1$ of (l $_1$ and lt; l $_2$), and covers the front wheel upper portion of the left and right, and, the outer edge and lt; TXF FR = 0002 HE = 070 WI = 080 LX = 1100 LY = 2050 and gt; left and right of that was positioned on the inside than the outside of the front wheel and the fender, and the center Fenda covering the frame top center between these fender mutual, and the front wall, which was climbed stand towards towards after diagonally to cover the steering shaft upward forward from the rear of the center fender, on the inside of the left right fender and a top cover of the left and right side wall or Ranaru substantially truncated pyramid shape toward the upper side so as to cover the steering shaft upper side, positioning the steering shaft upper portion so as to leave collision above the upper portion of said top cover and was fitted with a headlight to a steering member of a position above said top cover and a lower than the grip position of the handle bar as well as linking the bar handle the formation of the grip portion to the left and right ends to the protruding part headlamp mounting equipment of all–terrain for a straddle–type four–wheel vehicle, characterized in that

0) US2005146129A – FRINGED SPLASH GUARDS AND TRIM

134) Family number: 32061728 (US2005146129A)

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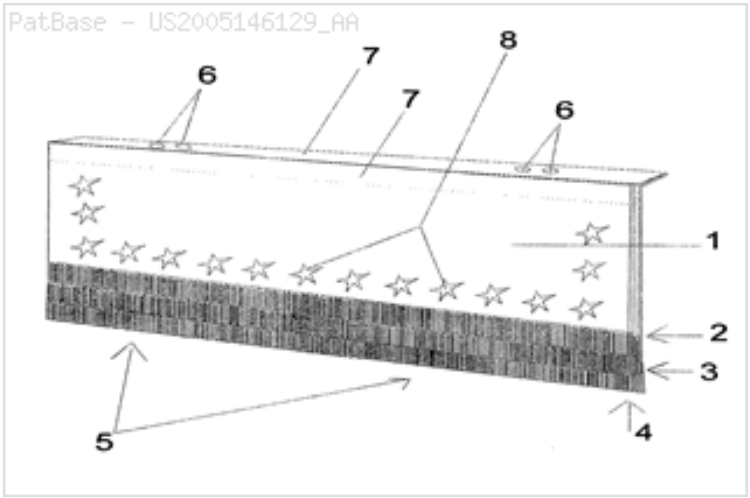
Title:	FRINGED SPLASH GUARDS AND TRIM
Priority:	US20040752049 20040106

Family:

Publication number	Publication date	Application number	Application date
US2005146129 AA	20050707	US20040752049	20040106

Probable Assignee:	ANDREWS WILLIAM L
Assignee(s):(std):	ANDREWS WILLIAM L
Inventor(s):(std):	ANDREWS WILLIAM L
Inventor(s):	ANDREWS WILLIAM
Agent(s):	WILLIAM L ANDREWS
International class (IPC 8–9):	B62B9/14 B62B9/16 B62D25/18 B62J15/00 B62J15/04 (Advanced/Invention); B62B9/00 B62D25/16 B62J15/00 (Core/Invention)
International class (IPC 1–7):	B62B9/14
CPC:	B62B9/16 B62D25/18 B62J15/00 B62J15/04
European class:	B62B9/16 B62D25/18 B62J15/00 B62J15/04
US class:	280/851
Classification Explorer	
Cited documents:	US6938930 BA, US6485059 BB, US6394475 BA, US6347809 BA, US6197144 BA, US6013351 A, US5269547 A, US4928993 A, US4877266 A, US4487422 A, US4061352 A, US2605119 A, US2004066028 AA,
Forward Citations:	USD679232, US7475911, US2006103129, AU2013205931,

Abstract:
Source: US2005146129A A fringed splash guard used to decoratively protect a vehicle against materials which may be thrown from a vehicles tire. A fringed splash guard can be used on vehicles such as tractor tralers trucks, pick up trucks, vans, cars, and motorcycles. Also provided is a fringed trim and used on a vehicle as a decoration. This fringed trim can also be used as a small splash guard and used to accommodate small vehicles such as motorcycles, a cart, trailers, all terrain, and bicycles.



135) Family number: 44199533 (TW200925042A) © PatBase

Title: Battery housing structure of all–terrain vehicle

Priority: TW20070147951 20071214

Family:

Publication number	Publication date	Application number	Application date
TW200925042 A	20090616	TW20070147951	20071214
TWI325389 B	20100601	TW20070147951	20071214

Probable Assignee: KWANG YANG MOTOR CO

Assignee(s):(std)**:** KWANG YANG MOTOR CO

Assignee(s): KWANG YANG MOTOR CO LTD ; KWANG YANG MOTOR CO LTD TW

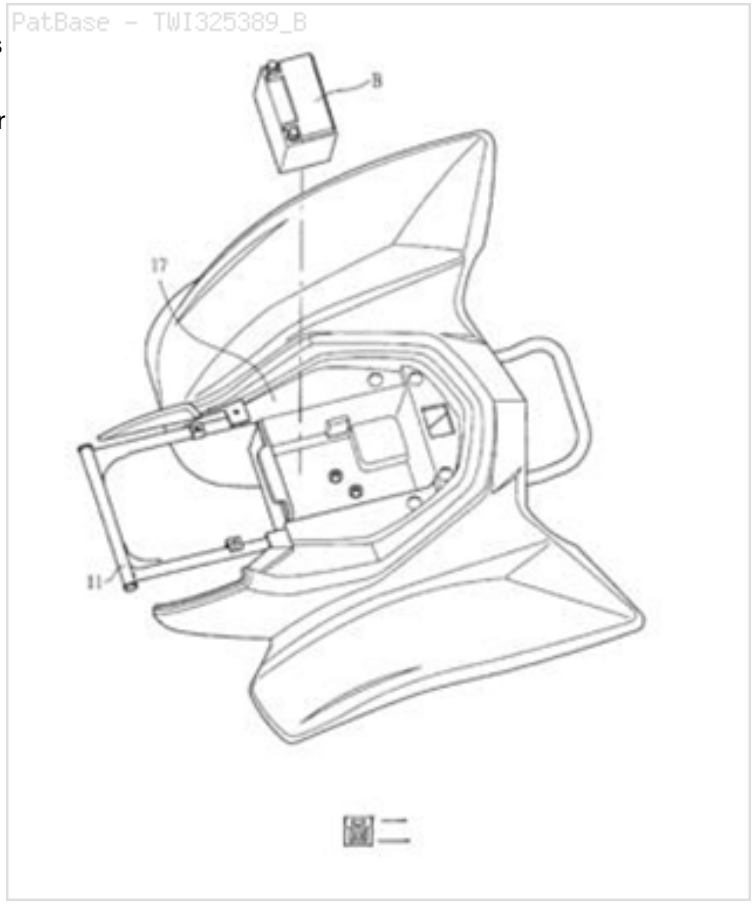
Inventor(s):(std)**:** LAN ZI RONG

International class (IPC 8–9): B62J1/12 B62J1/28 (Advanced/Invention); B62J1/12 B62J1/28 (Core/Non–invention)

Classification Explorer

Cited documents: US4700795, TW470002, JP2005119607,

Abstract:
Source: TW200925042A This invention relates to a battery housing structure of an all–terrain vehicle. The all–terrain vehicle has a storage box below its seat, wherein a housing chamber is formed by the storage box extending toward the rear fender. The housing chamber is capable of housing a battery; in addition, the housing chamber is partly covered by the seat to increase the storage space of the storage box.



0) TW339229S – THE FAST GRAM REACHES THE MOLDING MACHINE VEHIC...

136) Family number: 46533334 (TW339229S)

© PatBase

Title: The fast gram reaches the molding machine vehicle (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW339229 S1	19980821	TW19960308097F	19960925

Probable Assignee: YAMAHA ENGINE CO LTD

Assignee(s): YAMAHA ENGINE CO LTD

Abstract:
Source: TW339229S



Machine translation: This creation is the related one kind of locomotive, You Zhi one kind of outlook presents one kind of round humorous interest to feel, moreover has the all–terrain vehicle flavor the fast gram to reach the molding machine vehicle the new model design. ; If the attached figure shows, this creation has the member department approximately, a front weather board, a chassis, a seat cushion, and tandem two wheels. Above a pair clamps hands of the hand between vehicle forehead facing up to hard helmet of just like the Middle Ages warrior, but its each has the circle line, on the side forms has a spacious display board department. On the above front weather board right side forms has a pair of diagonal oval to play the part of the hole, the breast shape has a pair of circular head lamp headlamp, the head lamp headlamp both sides respectively forms has the turn signal humorously, the modelling, central committee of the above chassis makes indenting of the streamline shape, unfolds beauty one kind of curve. The seat cushion both sides form respectively have a U glyph arm rest, the breast form separately put down the big laminar flow linear guard shield slightly; Behind the seat cushion is equipped with a brand namefor rubber goods rear or tail lamp, underneath the rear or tail lamp both sides forms separately has a large–scale turn signal, the rear or tail lamp breast forms has fender of concurrently car license dead plate a big piece of type. Also, the guard shield breast sets at nearby the foot department is does largely prominent, on exhaust pipe decorated with foil board. ; May know by the above explanation, this creation outlook humorous interest is lovable, also has the circle curve esthetic sense, also rear end has at the same time the all–terrain vehicle the rough feeling, as soon as imitates like has the multiple appearance high–quality goods, infinite feeling, symbol in youth public figure's need.

0) US4357893A – ALL–TERRAIN VEHICLE OF THE MOTORCYCLE TYPE

137) Family number: 8644720 (US4357893A) © PatBase

Title: All–terrain vehicle of the motorcycle type

Priority: US19800193678 19801003

Family:

Publication number	Publication date	Application number	Application date
US4357893 A	19821109	US19800193678	19801003

Probable Assignee: FRYE NORMAN V

Assignee(s):(std)**:** FRYE NORMAN V

Inventor(s):(std)**:** FRYE NORMAN V

International class (IPC 8–9): B60F3/00 B62D61/02 B62K11/00 (Advanced/Invention); B60F3/00 B62D61/00 B62K11/00 (Core/Invention)

International class (IPC 1–7): B63B1/32

CPC: B60F3/0069 B62D61/02 B62K11/00

European class: B60F3/00D2 B62D61/02 B62K11/00

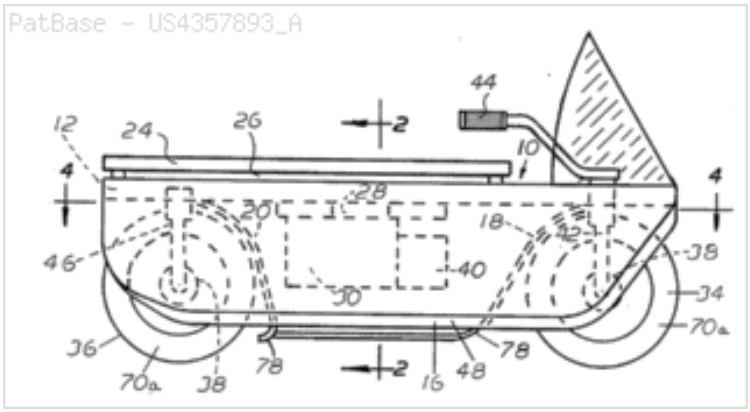
US class: 114/288 180/116 180/182 280/8 440/12.66

Classification Explorer

Cited documents: US4157739 A, US4133282 A, US3983832 A, US3951093 A, US3848560 A, US3536154 A, US3521566 A, US3418960 A, US3267898 A, US3191705 A, US2400132 A, US2399141 A, US1698482 A, US1672613 A, GB1019047 A,

Forward Citations: WO11077090, US9555680, US8378789, US8269605, US8125316, US7205730, US6892842, US4688509, US4625669, US2011269355, US2007296596, US2007296595, US2006049783, US2002190845, DE19831324,

Abstract:
Source: US4357893A A motorcycle having a body carried on front and rear power–driven wheels in which the wheels are provided with novel tread design cooperating with the body and portions thereof to literally pump water rearwardly while confining it to ridge or crest form centered on the longitudinal centerline of the vehicle whereby to enable the vehicle to travel over water. The body is closed at its top, opposite sides and also at its front and rear ends by front and rear fender wells, respectively, creating an air chamber beneath which the front wheel pumps water to flow rearwardly as aforesaid.



0) US4798399A – COMBINATION SAFETY CAGE FOR ALL TERRAIN VEHICLE...

138) Family number: 2824492 (US4798399A)

© PatBase

Title: Combination safety cage for all terrain vehicle

Priority: US19880182415 19880418

Family:

Publication number	Publication date	Application number	Application date
US4798399 A	19890117	US19880182415	19880418

Probable Assignee: CAMERON WILLIAM M

Assignee(s):(std)**:** CAMERON WILLIAM M

Inventor(s):(std)**:** CAMERON WILLIAM M

International class (IPC 8–9)**:** B60R21/13 B60R22/00 B62J27/00 (Advanced/Invention); B60R21/00 (Advanced/Non–invention); B60R21/13 B60R22/00 B62J27/00 (Core/Invention); B60R21/00 (Core/Non–invention)

International class (IPC 1–7)**:** B60R22/00 B60R27/00

CPC: B60R21/13 B60R22/00 B60R2021/0088 B62J27/00

European class: B60R21/13 B60R22/00 B62J27/00 L60R21/00T7

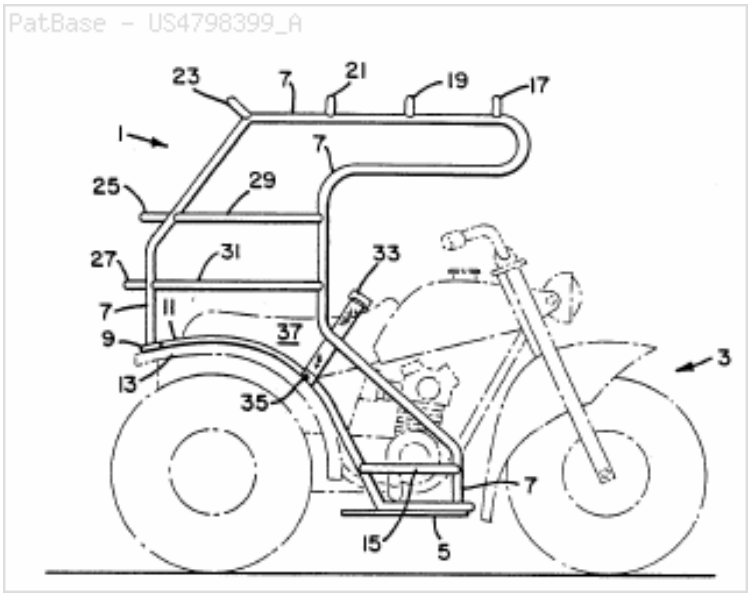
US class: 280/289G 280/304.3 280/748 280/756 280/801 280/801.1 297/466

Classification Explorer

Cited documents: US4673190 A, US4640527 A, US3622177 A, US3502368 A, US3497090 A, US3363934 A, US2921799 A, US2810489 A, US2783056 A, US1473956 A,

Forward Citations: WO9205041, WO10022141, US9422020, US9266490, US9187128, US8925669, US8720930, US8322749, US8087694, US7806437, US7789424, US7717492, US7392877, US7338112, US6910704, US6908107, US6142253, US5794976, US5676398, US5564517, US5439515, US5076600, US2015197208, US2014167399, US2012193163, US2011221177, US2010314908, US2010045074, US2009273169, US2009267335, US2009206588, US2008012362, US2004232684, US2004080148, US2003198509, DE19629879, DE19505448,

Abstract:
Source: US4798399A A combination safety cage, for use with an all terrain vehicle (ATV), and whose superstructure has side and head rails, wheel guards, horizontal rails, top overhead rails, rear horizontal rails and laterally projecting rails of tubular construction and with outward radius curves. A heavy bottom plate provides operational stability for the ATV. A seat belt harnesses the driver to the ATV seat. The combination safety cage prevents the driver from putting his foot on the ground while the ATV is moving. The driver is contained and kept within the safety cage, protected from injury, regardless of what direction the ATV overturns or rolls over, and the driver is further protected if the ATV collides with a fixed object.



0) US2006131948A – VEHICLE TRACTION ASSIST DEVICE

139) Family number: 33082831 (US2006131948A)

© PatBase

Title:	VEHICLE TRACTION ASSIST DEVICE
Priority:	US20040015697 20041216

Family:

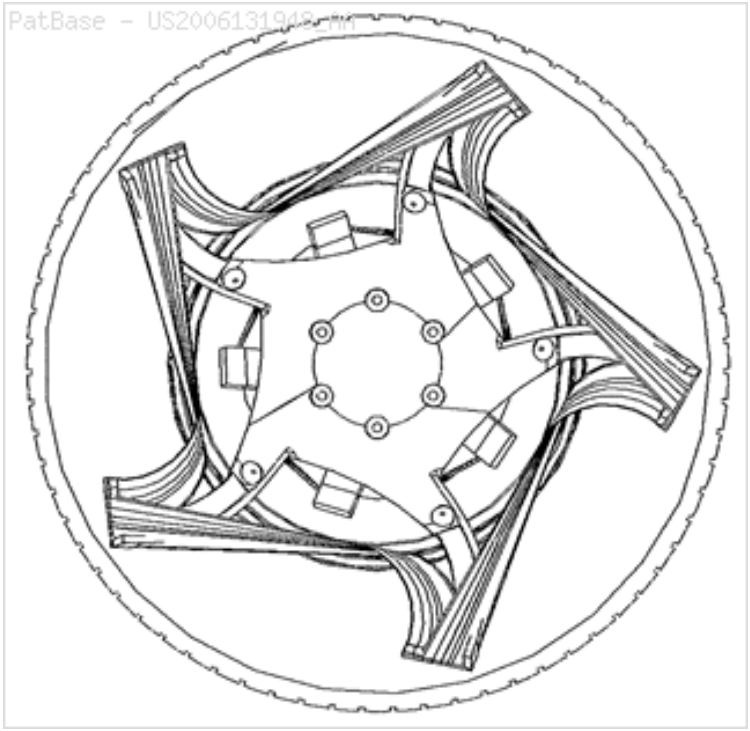
Publication number	Publication date	Application number	Application date
US2006131948 AA	20060622	US20040015697	20041216

Probable Assignee:	HOLMES MARTIN D
Assignee(s):(std)	HOLMES MARTIN D
Inventor(s):(std)	HOLMES MARTIN D
Inventor(s):	HOLMES MARTIN DANIEL ; HOLMES MARTIN
Agent(s):	MARTIN HOLMES
International class (IPC 8–9)	B60B11/10 (Advanced/Invention); B60B11/00 (Core/Invention)
CPC:	B60B15/00
European class:	B60B15/00
US class:	301/40.1

Classification Explorer

Cited documents:	US6273517, US5540267, US5242214, US5070923, US4906051, US4603916, US4007968, US3935891, US2006096683,
Forward Citations:	US7661766, US2008036285,

Abstract:
Source: US2006131948A The present invention provides a device which will provide enhanced traction on soft terrains yet allow the vehicle to operate on a hardened surface without requiring removal. Briefly, the present invention provides an auxiliary traction–enhancing device for use with a wheeled vehicle during traverse of soft terrain. The device is fully retractable to less that the diameter of the existing wheel hub and usually within the confines of the wheel well fender. When extended, the device provides an additional footprint greater than that of the existing tire. As the contact to the terrain is through a pliable material the footprint will mold to the terrain to better facilitate traction.



0) US7654424B – ALL TERRAIN VEHICLE UTILITY STORAGE BOX

140) Family number: 44311178 (US7654424B)

© PatBase

Title: ALL TERRAIN VEHICLE UTILITY STORAGE BOX

Priority: US20060433605 20060515

Family:

Publication number	Publication date	Application number	Application date
US7654424 BA	20100202	US20060433605	20060515

Probable Assignee: KRAMP DAVID W

Assignee(s):(std)**:** KRAMP DAVID W ; KRAMP KELLY G

Inventor(s):(std)**:** KRAMP DAVID W ; KRAMP KELLY G

Agent(s): G F

International class(IPC 8–9)**:** B60R5/00 B60R7/00 B60R9/00 B62D61/06 (Advanced/Invention)

CPC: B60R9/02 B60R11/00 B60R11/06 B60R2011/0052 B60R2011/0075 B62J9/001 B62K5/01

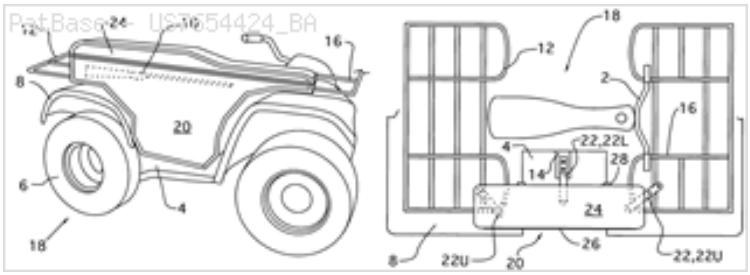
European class: B60R11/00 B60R11/06 B60R9/02 B62J9/00B B62K5/01 L60R11/00R4A1 L60R11/00R4B13

US class: 180/210 224/401 224/405 224/488 224/492 224/494 224/545 296/37.1

Classification Explorer

Cited documents: US6910492 BA,

Forward Citations: USD758038,



Abstract:
Source: US7654424B A method of carrying equipment on one side of an ATV having a front top rack, a rear top rack and a foot rest on the one side comprising the following steps: a) attaching a utility box carrying bracket to an outer side portion of the front top rack, the foot rest, and the rear top rack; and, b) mounting a utility box on each of the box carrying brackets. Then equipment may be conveniently carried in and removed from the mounted box. In a preferred aspect of this invention the utility box is generally rectangular in plan view and further comprises a utility box lid hinged to one long top side portion of the box and latched to the other opposite long side portion of the box so that equipment carried in the box is protected from the elements. A lateral side of the mounted box is dimensioned to generally follow the longitudinal shape of the fenders and running board so that the box generally fills the void above the running board and a central portion of the fenders.

0) TWD100844S – ALL–TERRAIN VEHICLE (4) (MACHINE TRANSLATION)

141) Family number: 45748933 (TWD100844S)

© PatBase

Title: All–terrain vehicle (4) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD100844 S1	20041011	TW20030305621F	20030916

Locarno class: 21/01

Abstract:
Source: TWD100844S

Machine translation: [Goods use]; This creation is one kind of all–terrain vehicle (4), it is the travel in the sand beach, not the smooth sloping road or the mountain road vehicles. ; [Creation characteristic]; If the attached figure shows, it is chassis front plays the part of shape of strip Cheng Zuizhuang the end, the mouth shape carries the decorated with dome lamp, is located underneath the mouth shape end decorated with to hollow out the eye shape in addition the arc cover. Front the vehicle between front, the trailing wheel chair both sides extends respectively has the laminated flank, the flank forms the multistage incline bend, the flank faces extends the front mudguard, it extends with the mouth shape end side company, has like spreads the wings dynamics, between the before and after fender connects ? the shape piece, the latter fender upward curls upwards extends, this creation whole disposition draws up like eagle's rough powerful line, the whole creates the coordinated esthetic sense, is a rare excellent work.



0) TWD105448S – ALL–TERRAIN VEHICLE (MACHINE TRANSLATION)

142) Family number: 45749802 (TWD105448S)

© PatBase

Title: All–terrain vehicle (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD105448 S1	20050701	TW20040304093F	20040712

Locarno class: 21/01

Abstract:
Source: TWD105448S

Machine translation: [Goods use]; This creation is one kind of all–terrain vehicle, is one kind may go in the sand beach, jolts vehicles of the road surface. ; [Creation characteristic]; Like the chart shows, Che of Kexi this creation lagging of by the integration, as well as is located footboard of the both sides to be composed, the lagging among the latter half section crown assembles a seat cushion, its rear end extends is located above the trailing wheel the fender after the both sides, after behind two fenders after integration arm rest connection, but among in front of vehicle shell the demi–section is forms the high both sides to lower the form underneath, it rises up the part to face forward to extend slanting, and collects front of a train of the sharp pyramidal, the both sides lowers the lagging to form the front mudguard, predestined affinity of the front mudguard faces the front of a train base to collect, also, states footboard of both sides of the position is for ? the glyphIts both sides distinguish fixed Yu Qian, on the rear bumper clay tablet. ; By front, rear elevation view it, front of a train of, the tailstock the this creation both sides assume unfold flyaway, its streamline shape presents the fast coursing the heroic bearing, is quite capable the appealing vision.



0) TWD105449S – ALL–TERRAIN VEHICLE (MACHINE TRANSLATION)

143) Family number: 45750007 (TWD105449S)

© PatBase

Title: All–terrain vehicle (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD105449 S1	20050701	TW20040304095F	20040712

Locarno class: 21/01

Abstract:
Source: TWD105449S

Machine translation: [Goods use]; This creation is one kind of all–terrain vehicle, is one kind may go in the sand beach, jolts vehicles of the road surface. ; [Creation characteristic]; Like the chart shows, Che of Kexi this creation lagging of by the integration, as well as is located footboard of the both sides to be composed, the lagging among the latter half section crown assembles a seat cushion, its rear end is equipped with the level extends after the trailing wheel the fender towards the both sides, after terminal of dynasty under this fender curved supposes slightly, but among in front of lagging the demi–section forms high, the both sides lower the form, it rises up the part to face forward the bend to form the front of a train, on its front of a train knows how things stand crosswise to extend hollows out the shape trabecula, underneath is equipped with a piece of safety guard in addition in the front of a train, but in front of the lagging the demi–section lowers the both sides then forms the front mudguard separately, front mudguard ventral and front of a trainCocurrent bend, and is equipped with headlight of the quadrangle, also, states is located footboard of the both sides is for ? the glyph, its both sides distinguish fixed Yu Qian, on the rear bumper clay tablet, in addition separately is equipped with two crown of in the before and after fender to assume sagittal extends suddenly the strip. ; Total perspective it, the lagging each side between by the small circular arc bend, causes the whole to present has ?, has state of the angle, matches trabecula of design the front of a train, as well as on the safety guard the catchwater, presents the rough design, tallies fully its goes in the sand beach, jolts the bold image.



0) CN301506222S – ALL–TERRAIN VEHICLES (792) (MACHINE TRANSLATI...

144) Family number: 48811813 (CN301506222S)

© PatBase

Title: All–terrain vehicles (792) (Machine translation)

Priority: CN201030299790F 20100902

Family:

Publication number	Publication date	Application number	Application date
CN301506222 S	20110406	CN201030299790F	20100902

Locarno class: 12/11

Abstract:
Source: CN301506222S (Claim 1) 1. The name of the product design: All–terrain vehicle (792); 2 use this product design: all–terrain transport vehicle; 3 design elements of the design:.. A former Bumper approximate "disguised diamond face" styling design;. B front mask the use of grid design;. C headlamps a "heart–shaped" design; D on the panel with cutouts;.. E front fender up slightly Alice, shaped like two "wings"; F shin plate with hollow design; G unique overall shape, contour lines and full, compact with a sense of power; 4 best show design elements or photographs:... right view; 5. The picture shows a bottom view is not common, it is omitted.



145) Family number: 62538073 (WO16085790A1) © PatBase

Title: WEATHERABLE THERMOPLASTIC COMPOSITIONS, METHOD OF MANUFACTURE, AND ARTICLES THEREFROM

Priority: US20140084155P 20141125

Family:

Publication number	Publication date	Application number	Application date
WO16085790 A1	20160602	WO2015US61760	20151120

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s):(std)**:** SABIC GLOBAL TECHNOLOGIES BV ; SYBERT PAUL DEAN

Inventor(s):(std)**:** GUPTA SAMIK ; KUVSHINNIKOVA OLGA I ; PARTHIPAN BALAKRISHNAN ; SHARMA YOGESH OMPRAKASH ; SYBERT PAUL DEAN

Agent(s): PAGE SAMANTHA M

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 (IPC 8–9): C08L67/03 C08L69/00 (Advanced/Invention)

CPC: C08L69/00

Classification Explorer

Cited documents: WO0119921 A1, US2008269386 AA, EP0653461 A2,

Abstract:
A thermoplastic composition including a polyaryl ester, a polymer different from the polyaryl ester, and a phthalone compound according to the formula (I) wherein Z1 represents the atoms necessary to complete a 9– to 13–membered single or fused aromatic ring structure, Z2 represents the atoms necessary to complete a pyridine or quinoline ring, each R1 and each R2 are independently halogen, an alkyl group, an aryl group, a heterocyclic group, an alkoxy group, an aryloxy group, an aromatic or aliphatic thioether group, an aromatic or aliphatic carboxylic acid ester group, or an aromatic or aliphatic amide group, a is 0 to 6, b is 0 to 4, n is 1 or 2, and X is present only if n= 2 and is a single bond or a divalent organic radical bonded to the Z1 ring structure through an ether, ketone, or thio linkage.

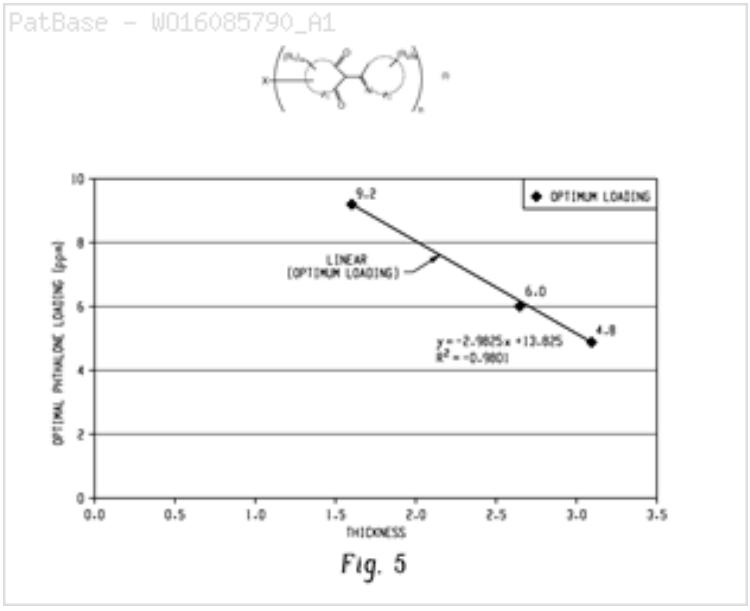


Fig. 5

0) JP62218291A – CAR BODY STRUCTURE OF SADDLING TYPE CAR FOR TRA...

146) Family number: 8825678 (JP62218291A) © PatBase

Title: CAR BODY STRUCTURE OF SADDLING TYPE CAR FOR TRAVELLING ON UNEVEN GROUND

Priority: JP19860062897 19860320

Family:

Publication number	Publication date	Application number	Application date
JP2529827 B2	19960904	JP19860062897	19860320
JP62218291 A2	19870925	JP19860062897	19860320

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD ; SUZUKI CO LTD

Inventor(s):(std)**:** NATSUME TETSUJI

International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J35/00 (Advanced/Invention)

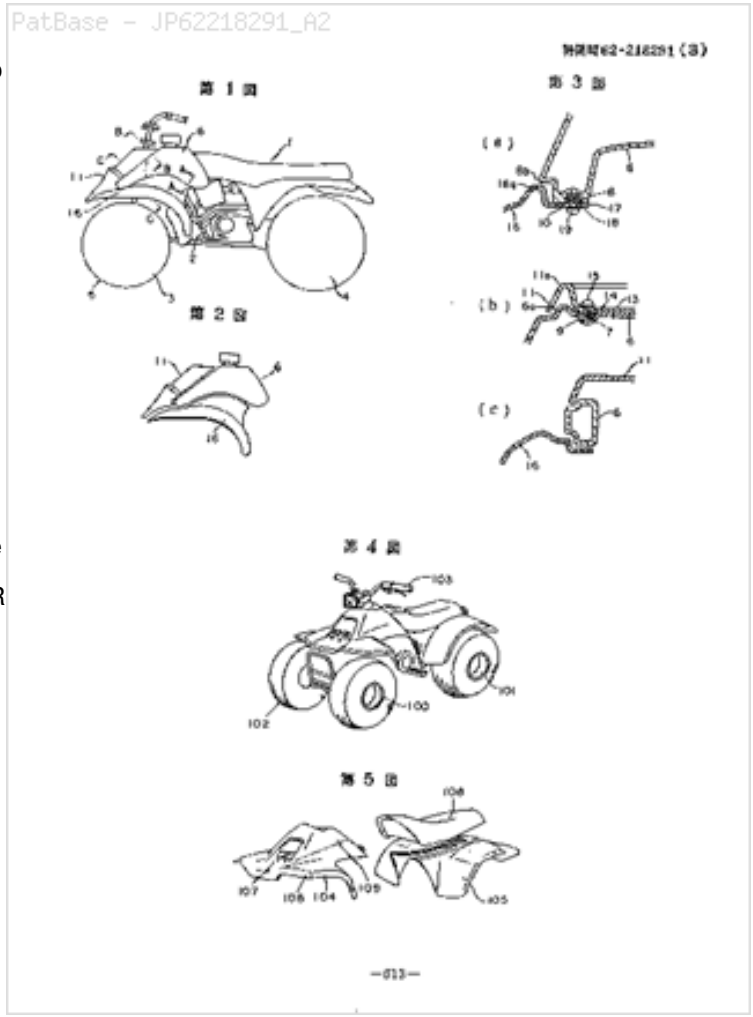
International class (IPC 1–7)**:** B62J15/00 B62J23/00 B62J35/00

Classification Explorer

Cited documents: JP62108187 U1,

Forward Citations: JP2057490,

Abstract:
Source: JP2529827B . [Source: Claim 1] **1** equipped with an engine between the front two wheels and rear two wheels, the fuel tank 6 is disposed in front of the elongated sheet which is disposed in the engine upper portion, a front cover 11 disposed in front of the fuel tank 6, in the vehicle structure of the left and right rough terrain for a straddle−type vehicle in which a front fender 16 is constituted by dividing the covering an upper portion of the front two wheels, of the left and right to extend the inside of Furontofu gender 16 of the vehicle body inwardly provided a horizontal flange portion 17, the both side lower surface of the fuel tank 6 is fixed to the upper surface of the horizontal flange portion 17, the convex portions on both sides of the front cover 11 11a is formed, screw the front cover 11 a convex portion 6a corresponding to the back recesses 11b of the convex portion 11a to co−be provided on each side of the front of the fuel tank 6 to the fuel tank 6 on the inside of the convex portion 11a above the 16a; TXF FR = 0002 HE = 015 WI = 080 LX = 1100 LY = 2050 and gt; wearing and, and provided with a concave portion 6b on both sides of the lower surface outside the side of the fuel tank 6, the convex portions and lt corresponding to the concave portion 6b body structure of all−terrain for a straddle−type vehicle is characterized in that provided in the horizontal flange portion 17 of the left and right front fenders 16



0) US3579972A – AGRICULTURAL IMPLEMENT

147) Family number: 953141 (US3579972A) © PatBase

Title:	AGRICULTURAL IMPLEMENT
Priority:	US19690817538 19690418

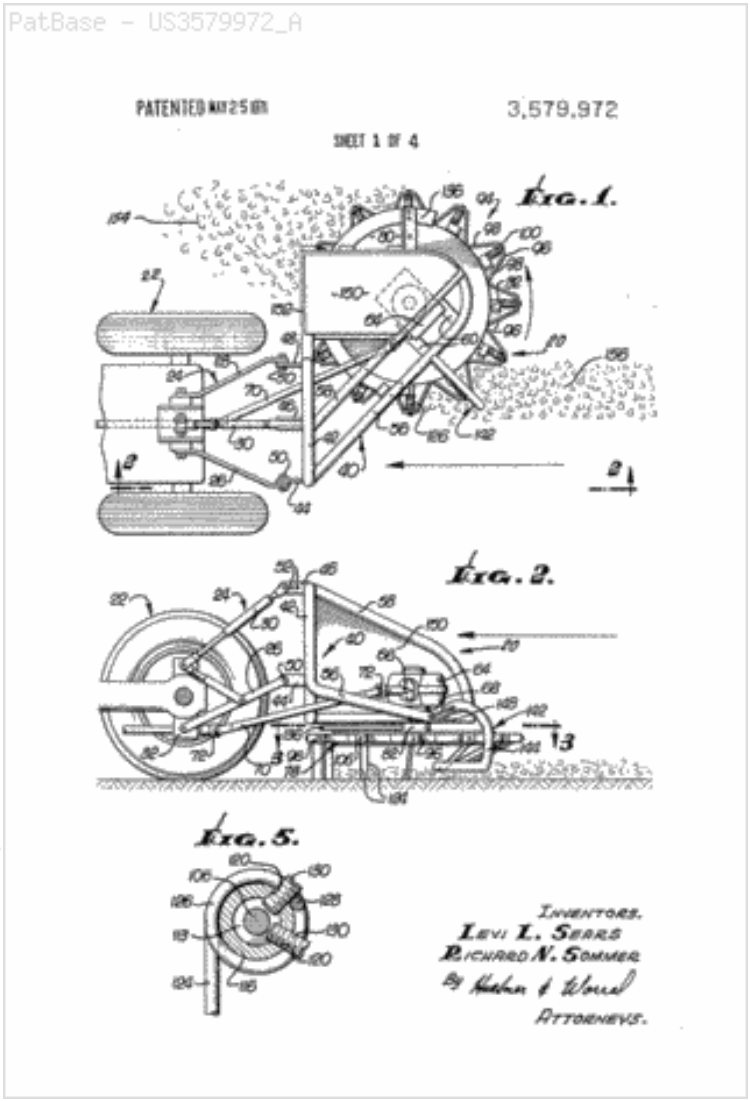
Family:

Publication number	Publication date	Application number	Application date
US3579972 A	19710525	US19690817538	19690418

Probable Assignee:	SSP IND
Assignee(s):(std):	SSP IND
Assignee(s):	SSP INDUSTRIES ; PACIFIC DISTRIBUTING INC
Inventor(s):(std):	SEARS LEVI L ; SOMMER RICHARD N
Inventor(s):	LEVI L SEARS ; RICHARD N SOMMER
International class (IPC 8–9):	A01D78/10 (Advanced/Invention); A01D78/00 (Core/Invention)
International class (IPC 1–7):	A01D79/00 A01D81/00
CPC:	A01D78/1064
European class:	A01D78/10H
US class:	56/370
Classification Explorer	
Cited documents:	US3334476 A, CH456225 A, CH450793 A,
Forward Citations:	US3992862, US3962854, US3946544, US3910020, US3893286, NL1005680,

Abstract:
Source: US3579972A (Claim 1) 1. A raking implement adapted to be mounted on and moved by a vehicle to rake brush and cuttings, and the like, away from the trunk of a tree or plant and into a windrow comprising: a frame; means for mounting the frame on the vehicle whereby the frame is suspended above the ground; a raking assembly including an annular rotatable support including a peripheral flange; said support journaled on the frame with the journal axis generally vertical and said support disposed generally horizontally; a plurality of brackets extending radially outward from the flange; each bracket having two converging sides and an outer end wall bridging said sides; a tine pivot pin extending between said flange and said outer end wall; a pair of resilient raking tines in spaced radial alignment one from the other, carried by each of said pivot pins; said pairs of tines are arranged in a pattern which disposes them successively laterally outward away from the vehicle; cam means including a semicircular cam bar mounted on said frame and overlying a plurality of tines, and cam followers secured to said tine pivot pins adapted to engage said cam bar and ride thereunder during rotation of said annular support to maintain said pairs of tines in vertical raking position to a point generally diametrically opposite the cam followers' initial engagement with said cam bar; trip bar assembly means mounted on said frame in the path of said tines and ahead of said cam means to sequentially elevate said pairs of tines to assure discharge of said raked material; and power means to rotatably drive the annular support.

PatBase - US3579972_A



0) CA97118S – REAR FENDER FOR AN ALL TERRAIN VEHICLE

148) Family number: 53708279 (CA97118S)

© PatBase

Title: REAR FENDER FOR AN ALL TERRAIN VEHICLE

Priority: CA20000097118F 20000519

Family:

Publication number	Publication date	Application number	Application date
CA97118 S	20030829	CA20000097118F	20000519

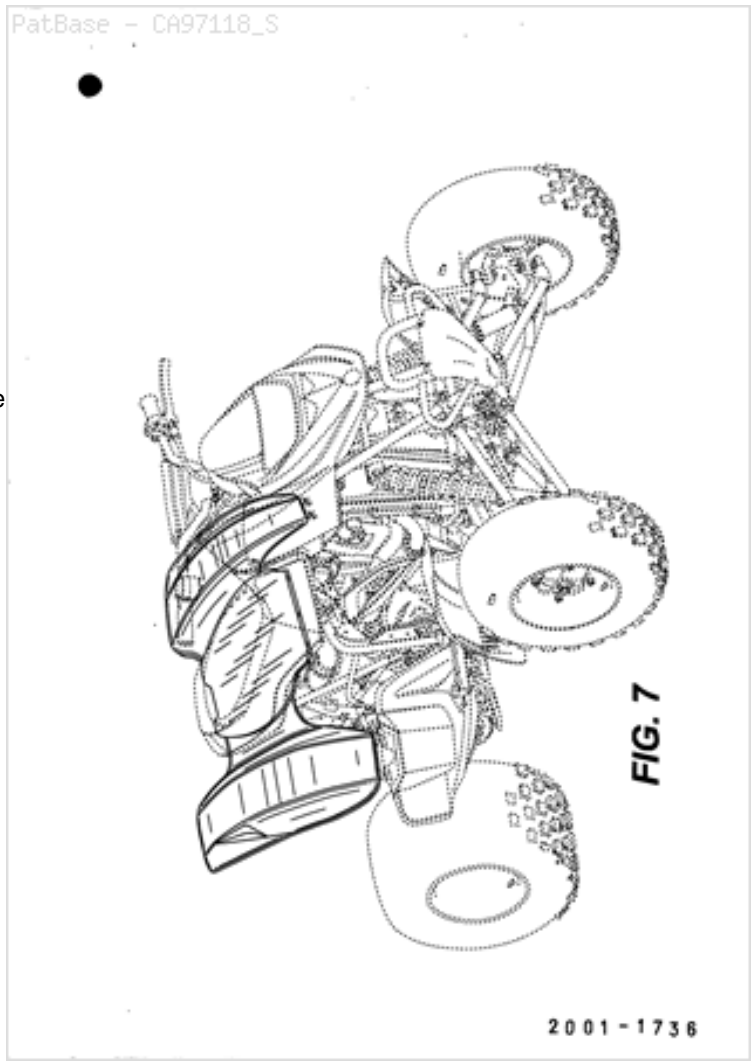
Probable Assignee: BOMBARDIER RECREATIONAL PROD

Assignee(s):(std)**:** BOMBARDIER RECREATIONAL PROD

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC ; BOMBARDIER INC

Agent(s): BOMBARDIER RECREATIONAL PRODUCTS INC INTELLECTUAL PROPERTY DEPT

Abstract:
Source: CA97118S The design is the visual features of the rear fender shown in the drawings, whether those features are features of one of shape, ornament, pattern and configuration or are a combination of any of these features.Drawings of the design are included wherein:Figure 1 is a perspective illustration, from the front and right side, of a first variant of a rear fender Figure 2 is a top view thereof;Figure 3 is a front view thereof;Figure 4 is a left side view thereof;Figure 5 is a rear view thereof;Figure 6 is a right side view thereof;Figure 7 is a perspective illustration, from the front and right side, of a second variant of a rear fenderFigure 8 is a top view thereof;Figure 9 is a front view thereof;Figure 10 is a left side view thereof;Figure 11 is a rear view thereof; andFigure 12 is a right side view thereof.Where included, broken lines showing environment are for illustrative purposes only and form no part of the design.



0) US2015197208A – JOHNSON ATV SAFETY BAR

149) Family number: 59778129 (US2015197208A) © PatBase

Title: JOHNSON ATV SAFETY BAR

Priority: US20130962139P 20131101 US20140526197 20141028

Family:

Publication number	Publication date	Application number	Application date
US2015197208 AA	20150716	US20140526197	20141028
US9266490 BB	20160223	US20140526197	20141028

Probable Assignee: JOHNSON JERRY

Assignee(s):(std)**:** JOHNSON JERRY ; JOHNSON NADEJDA IVANOVNA

Inventor(s):(std)**:** JOHNSON JERRY ; JOHNSON NADEJDA IVANOVNA

International class (IPC 8–9)**:** B60R21/055 B60R21/13 B60R22/20 B60R22/34 (Advanced/Invention); B60R21/02 B60R22/02 (Advanced/Non–invention)

CPC: B60R21/13 B60R22/20 B60R2021/028 B60R2022/027

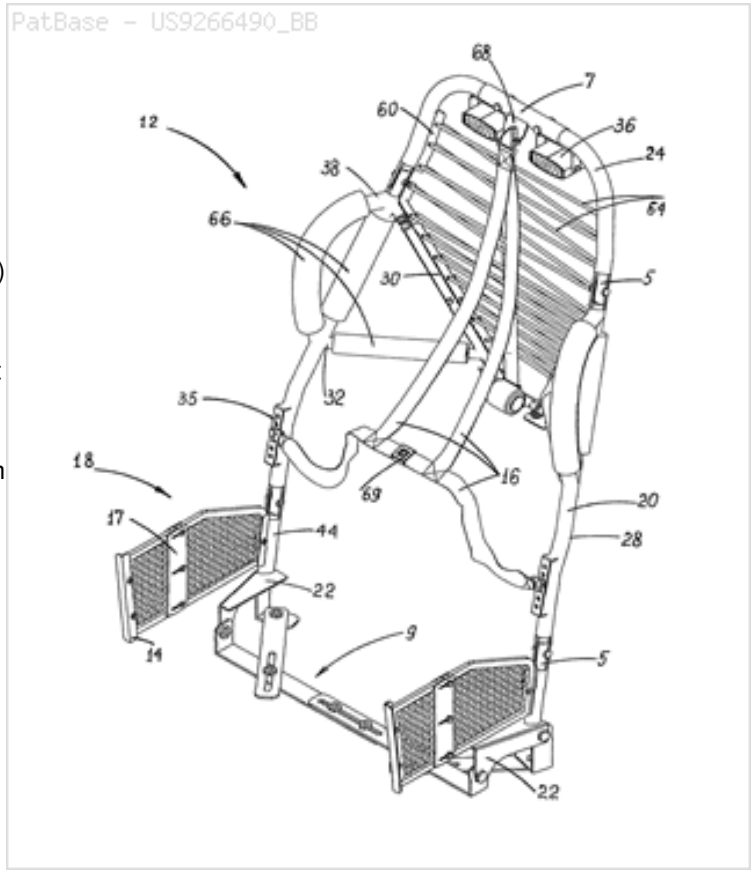
US class: 1/1 280/801.2

Classification Explorer

Cited documents: US6908107 BB, US6142253 A, US5718454 A, US5205585 A, US5174622 A, US5110185 A, US5000480 A, US4798399 A, US4673190 A, US4198072 A, US4148504 A, US2013009391 AA, US2012098244 AA, US2010052301 AA, US2009095555 AA, US2008197613 AA, US2008136155 AA, US2008122210 AA, US2005121897 AA, FR2616182 A1,

Forward Citations: US9616837, US9387747, US2015084323,

Abstract:
Source: US2015197208A The Johnson ATV Safety Bar including an articulating adjustable roll bar (12), a seat back (74), a safety seat belt (16), an adjustable foot and leg guard (18) and an articulating adjustable mounting bracket (9). The roll bar (12) may prevent injury or death in cases of ATV rollover accidents or crashes by absorbing the brunt of the force from the rolling or falling ATV. The seat back (14) may include a rope or strap (64) laced between metal bars (60) having a series of holes (62), the metal bars (60) being integrated onto the roll bar (12). The safety belt (16) may be attached to the roll bar (12) at various points (68) and may be configurable to meet the preference of the ATV operator. The system may include a seat belt retractor (140) to secure the operator on the ATV. The system may include an articulating adjustable ATV roll bar protection system (12) designed to fit various sizes and brands of ATVs.



150) Family number: 43525074 (CN101468695A) © PatBase

Title: Battery accommodating structure of allterrain vehicle

Priority: CN200710160194 20071226

Family:

Publication number	Publication date	Application number	Application date
CN101468695 A	20090701	CN200710160194	20071226

Probable Assignee: KWANG YANG MOTOR CO

Assignee(s):(std)**:** KWANG YANG IND CO LTD ; KWANG YANG MOTOR CO

Inventor(s):(std)**:** ZIRONG LAN

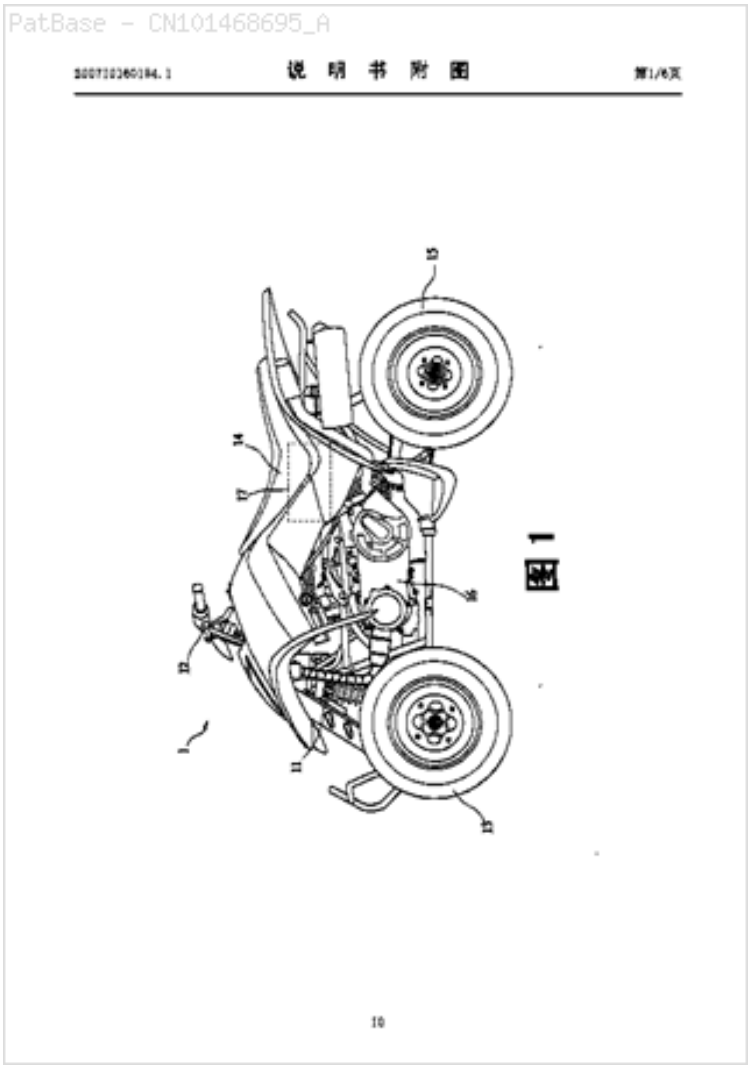
Inventor(s): LAN ZIRONG

International class (IPC 8–9): B60R16/04 B62J9/00 B62J99/00 (Advanced/Invention); B62J99/00 (Core/Invention)

Classification Explorer

Forward Citations: CN102529825,

Abstract:
Source: CN101468695A The invention relates to a battery receiving structure of an all–terrain vehicle. An object box is arranged under a saddle of the all–terrain vehicle, wherein one side of the object box is extended with a receiving chamber toward a rear fender. The receiving chamber is for accommodating a batter. A part of the receiving chamber is shielded by a saddle, so the object receiving space of the object box is increased.



0) TW528512S – ALL–TERRAIN VEHICLE (MACHINE TRANSLATION)

151) Family number: 45736420 (TW528512S) © PatBase

Title: All–terrain vehicle (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW528512 S1	20030411	TW20020301136F	20020314

Assignee(s): FRED RICKY AI PULE

Locarno class: 21/01

Abstract:
Source: TW528512S



Machine translation: This creation is one kind of all–terrain vehicle, it besides may ride the line in the smooth path, also may march forward in the rugged road surface. ; This creation has a main body, this main body constitutes a surrounding shape automobile body, lower part the first after skirt supposes in front of the one, the rear bumper arm in addition, first, both sides of the rear bumper arm suppose a lamp body respectively. On this main body supposes a radian the seat to be hollow, and establishes a seat cushion, rides the cross seat for riding. The main body predestined affinity is equipped with the social stratum change the arc kneading board, the after skirt assumes the vertical reason surface. On this main body the seat cushion front is equipped with the member, as soon as but the seat cushion rear area supposes sets up the triangle the seat back cushion. Is equipped with the back plate predestined affinity of the hand which assumes pterygoid to the both sides extends, the back plate has the streamline curvature change. But sets up the hand place supposes two to the both sides curved extension rear view mirror. After in front of this main body the base both sides suppose a tire respectively, but actuates the part which the vehicles move to be also located in the main body bottom surface. As soon as this main body both sides central suppose respectively have the suitable depth hollow area, this hollow area and receives assumes the L shape the footboard, causes the footboard position between quite Yu Qian, the trailing wheel position, treads for the riding foot puts, but footboard around supposes two fenders again, on the fender horizontally supposes the decoration strip which several protrude. ; This creation has the streamline also the extremely rich modern feeling visual effect, is creation a rich design feeling, conforms to stipulation honestly the exclusive law, whence hands in the application legally, and hoped soon will permit the patent, the applicant will be the good fortune!

0) US6378904B – ATV TRAILER

152) Family number: 21697694 (US6378904B) © PatBase

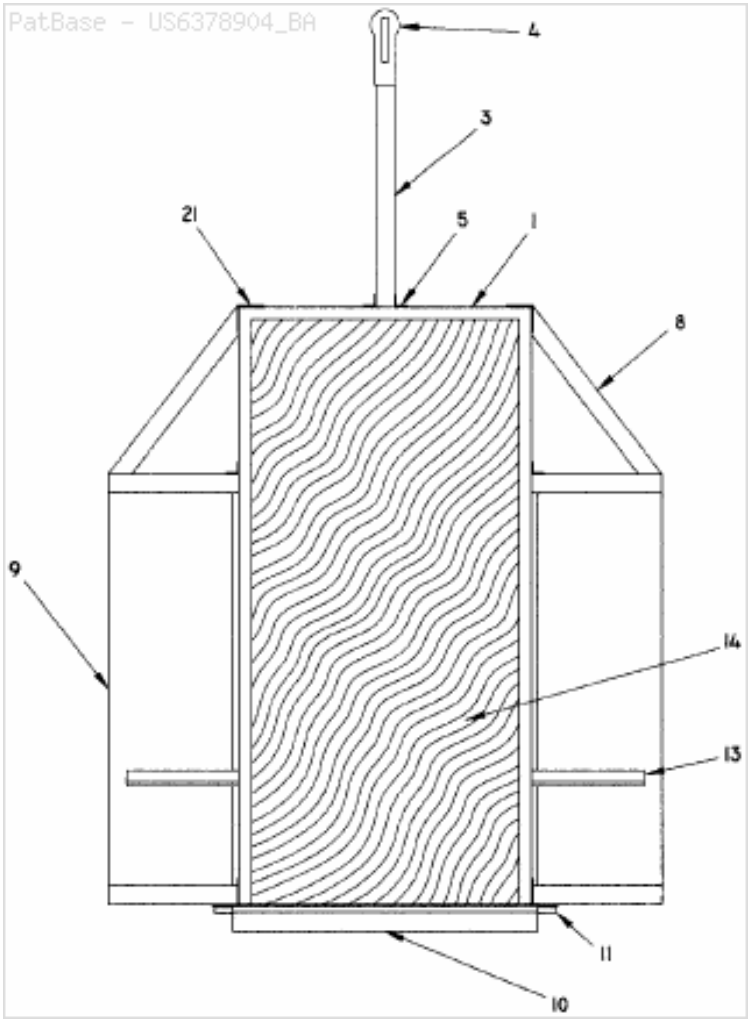
Title:	ATV trailer
Priority:	US20010756049 20010108

Family:

Publication number	Publication date	Application number	Application date
US6378904 BA	20020430	US20010756049	20010108

Probable Assignee:	NIEHOFF JAMES PATRICK
Assignee(s):(std)**:**	NIEHOFF JAMES PATRICK
Inventor(s):(std)**:**	NIEHOFF JAMES PATRICK
International class (IPC 8–9)**:**	B62D63/06 (Advanced/Invention); B62D63/00 (Core/Invention)
International class (IPC 1–7)**:**	B62D63/06
CPC:	B62D63/064
European class:	B62D63/06C2
US class:	280/768 280/789 296/181 296/183.1 D12/101
Classification Explorer	
Cited documents:	USD376564 S1, USD151240 S1, US6231030 BA, US5609350 A, US5538615 A, US5513868 A, US5082307 A, US3888532 A, GB2250005 A1, DE3627284 A1,
Forward Citations:	USD558097, US8408576, US8087866, US7544030, US7360801, US6994393, US6923475, US6902182, US6749248, US6742787, US6722727, US6695391, US6634701, US6631941, US6601908, US6575523, US2011260430, US2009162168, US2008206035, US2008122197, US2007278272, US2007164537, US2007045993, US2006208462, US2005194765, US2003218359,

Abstract:
Source: US6378904B A trailer which is hitched to an all−terrain vehicle (ATV) to haul cargo. The trailer has a frame of steel tubing, triangular cross bar wings which serve as tree deflectors, a floor bolted down by gussets, a heavy duty axle, large tires, fenders, a long tailgate, and corner angles at the tongue to frame connection.



0) PL412909A – OFF–ROAD VEHICLE, ADAPTED FOR OPERATION ON WETL...

153) Family number: 64698582 (PL412909A) © PatBase

Title: OFF–ROAD VEHICLE, ADAPTED FOR OPERATION ON WETLANDS, FOR TRANSPORTATION OF ADAPTERS INTENDED FOR RELOCATION OF BIOMASS BALES

Priority: PL20150412909 20150629

Family:

Publication number	Publication date	Application number	Application date
PL412909 A1	20170102	PL20150412909	20150629

Probable Assignee: PRZEMYSLOWY INST MASZ ROLNICZYCH

Assignee(s):(std)**:** PRZEMYSLOWY INST MASZ ROLNICZYCH

Assignee(s): PRZEMYSLOWY INST MASZYN ROLNICZYCH

Inventor(s):(std)**:** DUBOWSKI ADAM ; PAWLOWSKI TADEUSZ ; SICZYNSKI LUKASZ ; STOBNICKI PAWEL ; ZEMBROWSKI KRZYSZTOF

International class (IPC 8–9): A01D87/12 B60P3/035 B60R11/06 (Advanced/Invention)

Classification Explorer

Abstract:
Source: PL412909A Pojazd terenowy przystosowany do pracy na obszarach wodno – blotnych do przewozu adapterow sluzacych do przemieszczania bel biomasy wyposazony w skrzynie ladunkowa, w ktorej zabudowano stojak w ksztalcie prostopadloscianu wykonany z ksztaltownikow poprzecznych i podluznych oraz z czterech pionowych ksztaltownikow przytwierdzonych od dolu do podluznic skrzyni ladunkowej oraz wyposazono w sprzeg charakteryzuje sie tym, ze w dolnej czesci pionowe ksztaltowniki (2) stojaka na wysokosci burty skrzyni ladunkowej polaczone sa dwoma bocznymi ksztaltownikami oraz na wysokosci nieco powyzej przedniej sciany skrzyni ladunkowej polaczone sa przednim ksztaltownikiem, natomiast w gornej czesci stojaka pionowe ksztaltowniki (2) polaczone sa czterema bocznymi ksztaltownikami, przy czym wolne konce pionowych ksztaltownikow (2) wystaja w gore ponad boczne ksztaltowniki, a na bocznych ksztaltownikach osadzony jest dach (6), korzystnie przezroczysty, w przekroju podluznym skrzyni ladunkowej w ksztalcie odwroconego ceownika, przy czym szerokosc dachu jest wieksza od szerokosci stojaka, natomiast dach (6) w czesci tylnej stojaka posiada okap (10) wystajacy ponad obrys tylnej burty skrzyni ladunkowej, rownoczesnie na dachu (6) bezposrednio nad bocznymi ksztaltownikami usytuowane sa wzdluz pionowych bocznych ksztaltownikow (2) slizgi, korzystnie wykonane z tworzywa sztucznego, rownoczesnie slizgi sa usytuowane pomiedzy wystajacymi ponad dach koncami pionowych ksztaltownikow (2) lub na obu koncach slizgow zamocowane sa zderzaki, przymocowane do bocznych ksztaltownikow, przy czym w czesci przedniej stojaka na dachu (6), pomiedzy kabina pojazdu a zderzakami, przytwierdzony jest pojemnik dla sprezystych osi adapterow, natomiast w przestrzeni wewnatrz stojaka, korzystnie wzdluz jednej z burt skrzyni pojazdu znajduje sie pojemnik dolny (19) dla tulei (18), ponadto do zderzakow znajdujacych sie z przodu stojaka zamontowane sa uchwyty, dla rakiet blotnych, natomiast do ksztaltownikow zamocowane sa odbojniki (20), korzystnie wykonane z tworzywa sztucznego lub zbrojeniowej gumy. All terrain vehicle designed to work in areas of water and blotnych for the carriage of the network adapter used to move bales of biomass loading boxes in, which produced almost stand in the form of prostopadloscianu made with ksztaltownikow and podluznych, and with four vertical ksztaltownikow attached from the bottom to podluznic chest ladunkowej and features sprzeg is characterized by the fact that in the bottom part of the vertical ksztaltowniki (2) stand on high side box ladunkowej connected are two side ksztaltownikami and at an altitude slightly over the front wall box ladunkowej connected sa front ksztaltownikiem, while in the upper rack vertical

ksztaltowniki (2) connected are four side ksztaltownikami, the free ends of the vertical ksztaltownikow (2) protrude in the gore side ksztaltowniki, and on the side ksztaltownikach is the roof (6), preferably transparent, in the section podluznym ladunkowej box in the form of odwroconego, the "c" shaped roof width is greater than the width of the stand, while the roof (6) in the rear rack has a hood (10) wystajacy more than stroke the back side of the box ladunkowej, simultaneously on the roof (6) directly above the side ksztaltownikami located sa along vertical side ksztaltownikow (2) slizgi, preferably made of plastic, simultaneously slizgi are located between wystajacymi over roof–up bends are vertical ksztaltownikow (2), or at both ends fixed slizgow sa bumpers, attached to the side ksztaltownikow, in front of the rack on the roof (6) between the vehicle cab and fenders, attached is the container for the axis sprezystych network adapter While in the space inside the rack, preferably along one of the sides of the body of the vehicle is the container bottom (19) for the sleeve (18), in addition to the zderzakow located on the front of the rack mounted sa holders for blotnych and ksztaltownikow attached are buffers (20), preferably made of plastic or rubber armaments.

0) US6742787B – ATV TRAILER

154) Family number: 30606866 (US6742787B) © PatBase

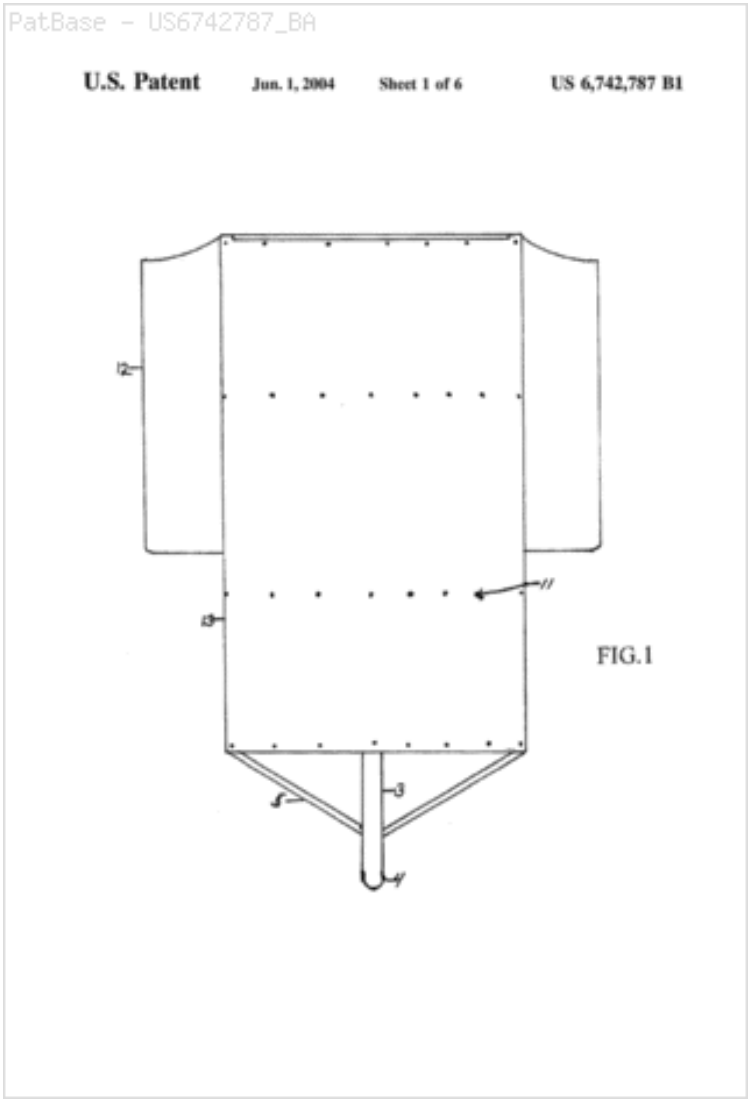
Title:	ATV trailer
Priority:	US20030422875 20030424

Family:

Publication number	Publication date	Application number	Application date
US6742787 BA	20040601	US20030422875	20030424

Probable Assignee:	WHEELER STEVEN A
Assignee(s):(std)**:**	WHEELER STEVEN A
Inventor(s):(std)**:**	WHEELER STEVEN A
International class (IPC 1–7)**:**	B62D25/16 B62D63/06
CPC:	B62D61/10
European class:	B62D61/10
US class:	280/160 280/5.26 280/526 280/789
Classification Explorer	
Cited documents:	USD151240 S1, US6378904 BA, US5782490 A, US5513868 A, US5273296 A, US5082307 A, US4790548 A, US4709772 A, US4264082 A, US4149748 A, US1191394 A,
Forward Citations:	US9452097, US6923475, US2015272793, US2005146125,

Abstract:
Source: US6742787B This device is a trailer hitched to an atv or off road vehicle to haul cargo over an uneven or rough terrain. The trailer has a frame of steel tubing, a main axle, low pressure tires, trailer cargo box. The axle is comprised of a plurality of wheels rotatable about an axes that are fixed with respect to a cluster arm where cluster arm itself is rotated about an axis so that the wheels will rotate or climb over uneven terrain.The cargo box is constructed of a plastic composite material.



0) CN301776199S – FOUR ATVS FOOT GUARD (MACHINE TRANSLATION)

155) Family number: 50429468 (CN301776199S) © PatBase

Title: Four ATVs foot guard (Machine translation)

Priority: CN201130119631F 20110514

Family:

Publication number	Publication date	Application number	Application date
CN301776199 S	20111228	CN201130119631F	20110514

Locarno class: 12/16

Abstract:
Source: CN301776199S (Claim 1) 1. The name of the product design: four–wheel all–terrain vehicle fender foot; 2. the use of this product design: four–wheel all–terrain vehicles and components, the main role is to enhance the appearance of the product commodity, masking products within the harness, solder joints, put your feet when riding occupants; 3 design elements of the design: the shape of the product; 4 best show design elements or photographs: design a three–dimensional map; 5. Specify design a basic design; 6. 2 a top view of the design without design elements, design 2 plan view is omitted.

0) DE202005015559U1 – ELECTRIC ROOF COVER FOR E.G. SUZUKI ALL–TERRAIN...

156) Family number: 32594282 (DE202005015559U1) © PatBase

Title: ELECTRIC ROOF COVER FOR E.G. SUZUKI ALL–TERRAIN VEHICLE HAS ELECTRIC MOTOR THAT PROTRUDES THROUGH BORE TO OPPOSITE SIDE OF METAL PLATE WITH DRIVING GEAR WHEEL AND DRIVES HALF GEAR RIM WHEEL) FASTENED ON OPPOSITE SIDE

Priority: DE200520015559U 20051005

Family:

Publication number	Publication date	Application number	Application date
DE202005015559 U1	20060105	DE200520015559U	20051005

Probable Assignee: VOGEL WILHELM

Assignee(s):(std)**:** VOGEL WILHELM

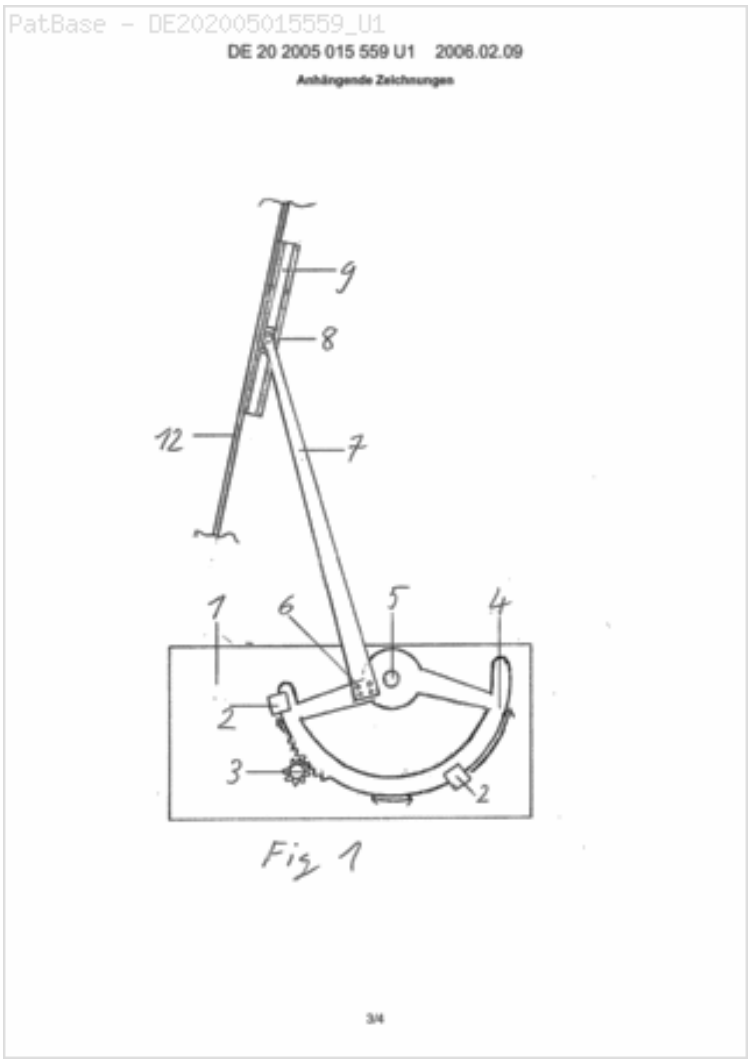
International class (IPC 8–9): B60J7/04 B60J7/20 (Advanced/Invention); B60J7/00 B60J7/04 (Core/Invention)

CPC: B60J7/0573

European class: B60J7/057B

Classification Explorer

Abstract:
The device has a metal plate (1) built into the rear fenders (on the left of and right). An electric motor is fixed to the left side and to the right side of the metal plate (1), whereby the motor protrudes through a bore to the opposite side of the plate (1) with a driving gear wheel (3) and drives a half gear rim wheel (4) fastened on this side.



0) CN301624440S – FRONT FENDER (760C) (MACHINE TRANSLATION)

157) Family number: 49363262 (CN301624440S)

© PatBase

Title: Front fender (760C) (Machine translation)

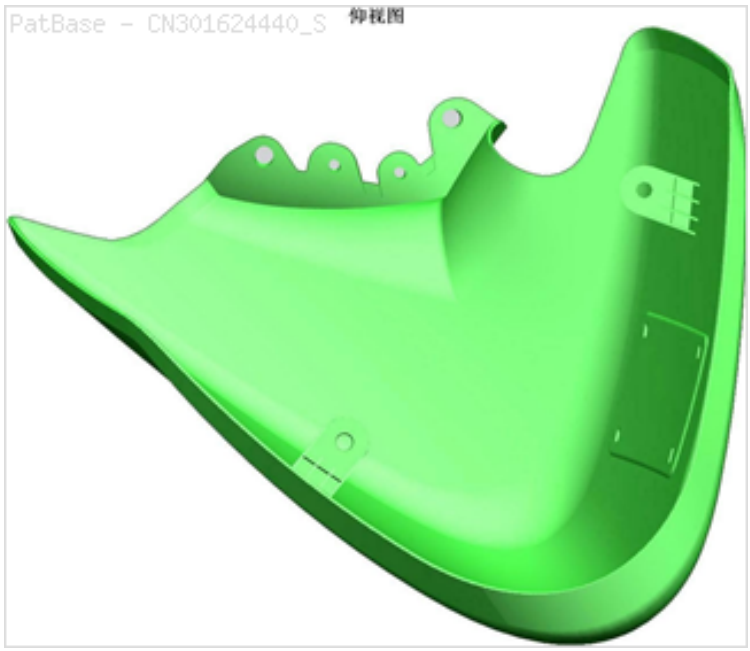
Priority: CN201030674653F 20101213

Family:

Publication number	Publication date	Application number	Application date
CN301624440 S	20110727	CN201030674653F	20101213

Locarno class: 12/16

Abstract:
Source: CN301624440S (Claim 1) 1. The name of the product design: front fender (760C); 2. This design uses of products: all–terrain vehicle parts; 3. Design elements of the design: the shape of the product; 4. The best indicator of design elements or photographs: a perspective view of 1; 5. Left view no design elements is omitted left side view.



0) US2012161485A – PENDULUM LEVEL RIDE UNIVERSAL SEAT

158) Family number: 51360442 (US2012161485A) © PatBase

Title: PENDULUM LEVEL RIDE UNIVERSAL SEAT

Priority: US20100930095 20101228

Family:

Publication number	Publication date	Application number	Application date
US2012161485 AA	20120628	US20100930095	20101228

Probable Assignee: STOCKWELL ALVIN

Assignee(s):(std)**:** STOCKWELL ALVIN

Inventor(s):(std)**:** STOCKWELL ALVIN

International class (IPC 8–9)**:** B60N2/005 B60N2/02 B60N2/04 B60N2/10 B60N2/24 B60N2/39 (Advanced/Invention)

CPC: B60N2/39

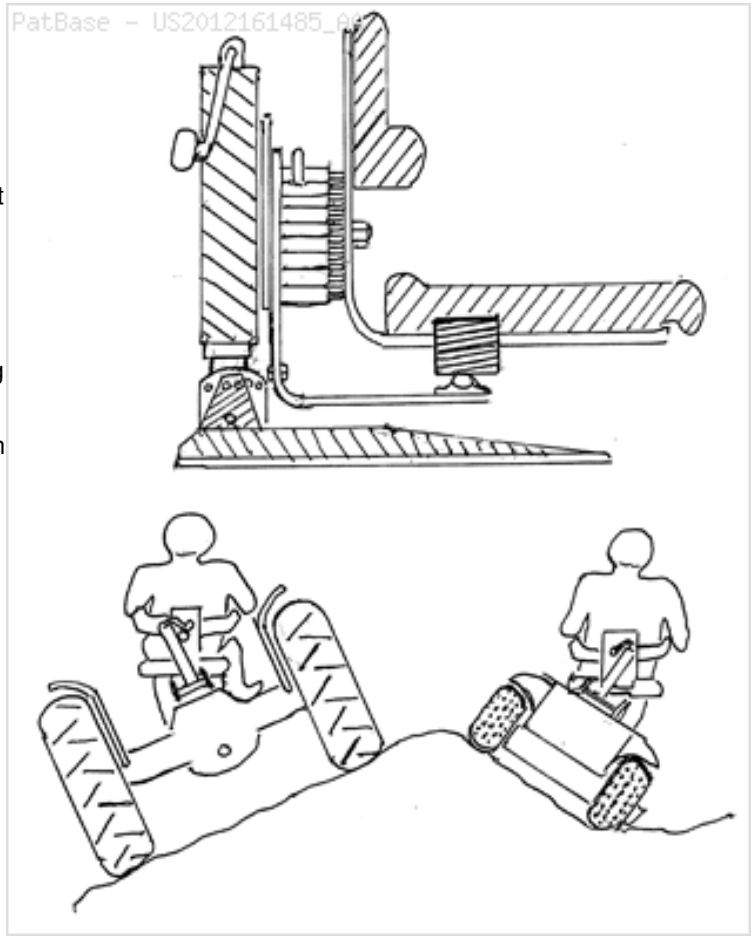
European class: B60N2/39

US class: 297/344.11 297/344.110P

Classification Explorer

Cited documents: US6026920 A, US5857535 A, US5372347 A, US4029283 A, US3861637 A, US3670834 A, US3652101 A, US3466089 A, US3341165 A, US3339906 A, US2984290 A, US2489981 A, US2370014 A, US2140423 A, US2009091171 AA, US2006055214 AA,

Abstract:
Source: US2012161485A 1. The prime object of the P.L.R.U. seat is to allow the seat to remain level and the operator upright, when traversing a side hill, slope or valley. 2. A problem exists with prior art seats available today, as the seat tips sideways with the vehicle, making it difficult to remain on the seat without hanging on to the fender or bracing with the feet. 3. By using a self locking sleeve bearing to hang the seat in a pendulum fashion, allows the seat to remain level, and thereby a more comfortable and safe condition, with hands and feet free to operate the controls. 4. Incorporating a lift and lowering device allows mounting the seat on a wide variety of both new and old vehicles. No other prior art seat has taken this universal approach for replacement seats.



0) JP60158985U – FENDER OF ALL TERRAIN VEHICLE ? – (MACHINE TRA...

159) Family number: 39794008 (JP60158985U)

© PatBase

Title: Fender of All Terrain Vehicle ? – (Machine translation)

Priority: JP19840048181U 19840402

Family:

Publication number	Publication date	Application number	Application date
JP60158985 U1	19851022	JP19840048181U	19840402

International class (IPC 8–9): B62D25/16 B62J15/00 (Advanced/Invention)

International class (IPC 1–7): B62D25/16 B62J15/00

Classification Explorer

Cited documents: JP39023712 Y1, JP38014204 Y1,


PatBase - JP60158985_U1

日本国特許庁（JP）　公開実用新案公報

公開実用新案公報（U）　昭60－158985

第１図

160) Family number: 45630136 (TW083838S) © PatBase

Title: All–terrain vehicle fender (3) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW083838 S1	19861216	TW19860300816F	19860219

Probable Assignee: FUMING CARS EXPECTED LTD

Assignee(s): FUMING CARS EXPECTED LTD

161) Family number: 45639131 (TW083843S) © PatBase

Title: All–terrain vehicle fender (1) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW083843 S1	19861216	TW19860300813F	19860219

162) Family number: 45640928 (TW083844S) © PatBase

Title: All–terrain vehicle fender (2) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW083844 S1	19861216	TW19860300815F	19860219

163) Family number: 45646491 (TW091247S) © PatBase

Title: All–terrain vehicle fender (4) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TW091247 S1	19870916	TW19860300818F	19860219

164) Family number: 45991471 (CN300883113D) © PatBase

Title: All–terrain vehicle on the right fender (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CN300883113 D	20090211	CN200730327486F	20071214

Probable Assignee: CHONGQING RATO POWER CO LTD

Assignee(s):(std)**:** CHONGQING RATO POWER CO LTD

Agent(s):

Locarno class: 12/16



0) CN300883114D – ALL–TERRAIN VEHICLE ON THE LEFT FENDER (MACHI...

165) Family number: 45991475 (CN300883114D) © PatBase

Title: All–terrain vehicle on the left fender (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CN300883114 D	20090211	CN200730327487F	20071214

Probable Assignee: CHONGQING RATO POWER CO LTD

Assignee(s):(std)**:** CHONGQING RATO POWER CO LTD

Agent(s):

Locarno class: 12/16



- **search:** SS4 ft=vehicle and front and fender (Results 4477)
- **search:** SS5 ft=vehicle and front and fender and (saddle or seat) (Results 803)
- **search:** SS6 ft=vehicle and front and fender and (saddle or seat) and mud (Results 65)
- List: SS6 1–50 (ft=vehicle and front and fender and (saddle or seat) and mud) (Results 65)

0) US2006048987A – SEAT MOUNT STRUCTURE FOR SADDLE RIDE VEHICLE

1) Family number: 32682645 (US2006048987A) © PatBase

Title: SEAT MOUNT STRUCTURE FOR SADDLE RIDE VEHICLE

Priority: CA20052517822 20050901 CA20052619874 20050901 JP20040258978 20040906 US20080010072 20080118 US20050218487 20050906 JP20040258991 20040906 JP20040258996 20040906

Family:

Publication number	Publication date	Application number	Application date
AU2005205848 AA	20060323	AU20050205848	20050906
AU2005205848 BB	20110519	AU20050205848	20050906
CA2517822 AA	20060306	CA20052517822	20050901
CA2517822 C	20091027	CA20052517822	20050901
CA2619874 AA	20060306	CA20052619874	20050901
CA2619874 C	20121023	CA20052619874	20050901
JP2006069502 A2	20060316	JP20040258978	20040906
JP2006069506 A2	20060316	JP20040258991	20040906
JP2006069507 A2	20060316	JP20040258996	20040906
JP4236192 B2	20090311	JP20040258996	20040906
JP4283191 B2	20090624	JP20040258991	20040906
JP4402552 B2	20100120	JP20040258978	20040906
US2006048987 AA	20060309	US20050218487	20050906
US2008115991 AA	20080522	US20080010072	20080118
US7448664 BB	20081111	US20050218487	20050906
US7757799 BB	20100720	US20080010072	20080118

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; KARUBE SHINICHI ; SHIOYA REI

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** KARUBE SHINICHI ; SHIOTANI REI ; SHIOYA REI

Inventor(s): REI SHIOYA ; SHINICHI KARUBE

Agent(s): SPRUSON AND FERGUSON; DENNISON ASSOCIATES; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP

International class (IPC 8–9)**:** B60N2/40 B60T7/04 B62D25/20 B62D61/06 B62J1/02 B62J1/08 B62J1/12 B62J15/00 B62J25/00 B62K11/04 B62K19/30 B62K5/00 B62L3/04 (Advanced/Invention); B60T7/04 B62D61/00 B62J1/00 B62J15/00 B62J25/00 B62K11/00 B62K19/00 B62K5/00 B62L3/00 (Core/Invention)

CPC: B62J1/12 B62K5/01

European class: B62J1/12 B62K5/01

US class: 180/210 180/90.6 180/90.600P 180/908 180/908S 296/65.02 296/65.03 297/195.1

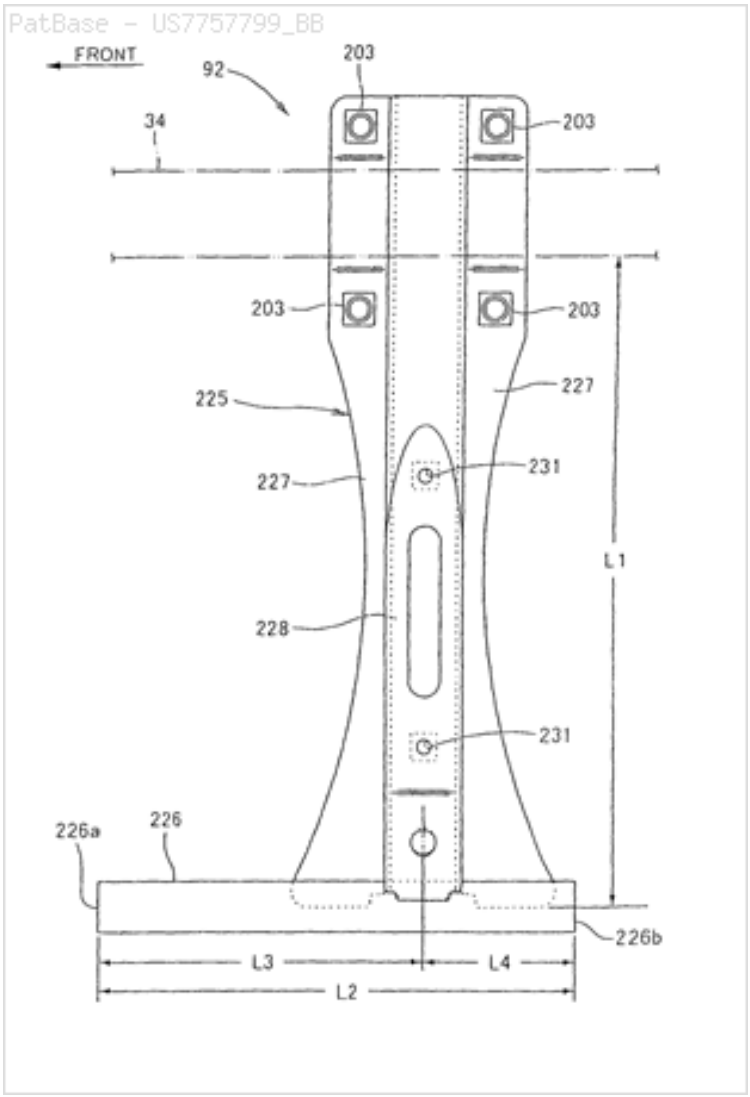
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Cited documents: US7368024 BB, US7332047 BB, US7329325 BB, US7322876 BB, US7314533 BB, US7240708 BB, US7234559 BB, US7219939 BB, US7198129 BB, US7175220 BB, US7153381 BB, US7147281 BB, US7111903 BA, US7104298 BB, US7097188 BB, US7093684 BB, US7028800 BB, US7028555 BA, US6971714 BA, US6913099 BB, US6889789 BB, US6814118 BB, US6755269 BA, US6719316 BA, US6682687 BA, US6648408 BA, US6645408 BB, US6547027 BA, US6524415 BA, US6502863 BA, US6402867 BA, US6354476 BA, US6318743 BA, US6302488 BA, US6270106 BA, US6224134 BA, US6116630 A, US6113121 A, US6070896 A, US6009923 A, US5893424 A, US5879488 A, US5560445 A, US5553783 A, US5292590 A, US5156921 A, US5040583 A, US4673212 A, US4616687 A, US4616686 A, US4457524 A, US4413700 A, US4263074 A, US4174852 A, US4095820 A, US2008093012 AA, US2008047646 AA, US2007095458 AA, US2006096386 AA, US2005241547 AA, US2005017531 AA,

US2005012300 AA, US2004140042 AA, US2004095244 AA, US2003205919 AA, JP6371485, JP59169292 U, JP58178074 U, JP58168994 U, JP5747593 U, JP55120588 U, JP3929258 Y1, JP3217743 B2, JP3031620 B2, JP200101975, JP2001001975 A2, JP11165679 A2, JP11165679, JP1081280, JP07156852, JP0331620 B2,

Forward Citations: WO14003094, WO14003091, US9108531, US8864157, US8657050, US7735916, US2015175229, US2014062058, US2013306393, US2011062690, US2009108643, JP5806830, JP2015033899, JP2014008822, JP2014008807, JP2013023064, JP2012207544, JP2008068818, JP2007290657, CN103192905, CN103192905, CN102730116, CN102616306, CN102616306, CN102336234,

Abstract:
Source: US2006048987A A seat mount structure for a saddle ride vehicle having seat brackets provided on a vehicle body frame, includes hooks on a bottom plate of a seat, and locking the hooks to the seat brackets to thereby mount the seat to the vehicle body frame. The structure also includes front−side cushion rubbers for receiving the load on the seat side mounted to the seat brackets, the front−side cushion rubbers being located on the inner side of the hooks. With this seat mount structure for a saddle ride vehicle, a bending moment at a lock portion between the vehicle body frame side and the seat side is suppressed, and the ride comfort is enhanced while setting the moldability of a seat bottom plate to be equivalent to that in the related art.



0) US2013313034A – SADDLE–RIDE–TYPE VEHICLE

2) Family number: 55199106 (US2013313034A) © PatBase

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

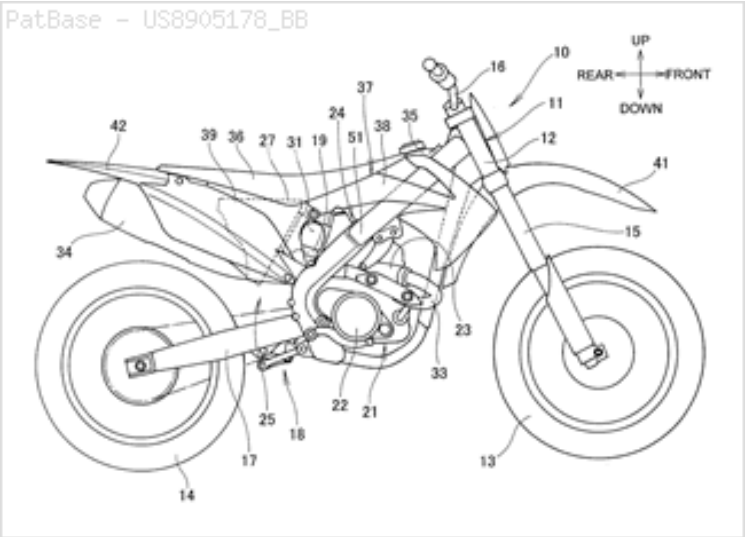
US class: 180/219 180/227

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.



0) US2005133289A – INTAKE SYSTEM STRUCTURE FOR VEHICLE

3) Family number: 31995408 (US2005133289A) © PatBase

Title: INTAKE SYSTEM STRUCTURE FOR VEHICLE

Priority: CA20042488150 20041122 JP20030402299 20031201

Family:

Publication number	Publication date	Application number	Application date
AU2004233475 AA	20050616	AU20040233475	20041125
AU2004233475 BB	20101021	AU20040233475	20041125
CA2488150 AA	20050601	CA20042488150	20041122
CA2488150 C	20080108	CA20042488150	20041122
JP2005161951 A2	20050623	JP20030402299	20031201
JP4296079 B2	20090715	JP20030402299	20031201
US2005133289 AA	20050623	US20040999146	20041130
US7284629 BB	20071023	US20040999146	20041130

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): NAKANO NOBUHIKO ; YAMASHITA AKIHIRO ; HONDA MOTOR CO

Inventor(s):(std)**:** NAKANO NOBUHIKO ; YAMASHITA AKIHIRO

Inventor(s): AKIHIRO YAMASHITA ; NOBUHIKO NAKANO

Agent(s): SPRUSON AND FERGUSON; DENNISON ASSOCIATES; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

International class (IPC 8–9)**:** B60K13/02 B62J15/00 B62J23/00 B62J99/00 B62K5/00 F02M35/10 F02M35/16 (Advanced/Invention); B60K13/00 B62J15/00 B62J23/00 B62J99/00 B62K5/00 F02M35/00 F02M35/10 (Core/Invention)

International class (IPC 1–7)**:** B60K13/02 B62J15/00 B62J23/00 B62J39/00 B62K11/00 B62K5/00 B62M7/00 F02M35/10 F02M35/16

CPC: F02M35/1233 F02M35/162 F02M35/02 F02M35/048

European class: F02M35/04V F02M35/12 F02M35/16C R02M35/02

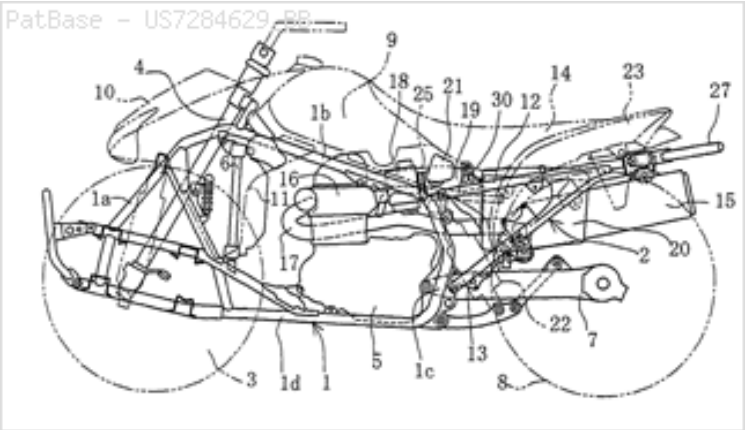
US class: 123/198E 180/219 180/68.1 180/68.2 180/68.3

Classification Explorer

Cited documents: US7044253 BB, US6959934 BB, US6920949 BB, US6695083 BB, US6622806 BA, US6615945 BB, US6537338 BB, US6287354 BA, US5174258 A, US4878555 A, US4611679 A, JP2534228 B2, JP2534228,

Forward Citations: US9096123, US8944197, US8851523, US8851220, US8146699, US7712562, US7686121, US7549675, US7441619, US2014360800, US2013240276, US2011232983, US2011175340, US2009242305, US2007132225, US2007045029, US2007045017, US2004040958, JP2007302169, EP1990530, AU2006202649,

Abstract:
Source: US2005133289A A four−wheeled buggy includes a shortened air intake path so that intake efficiency is improved. An air cleaner is disposed in a space surrounded on the left and right by a rear fender below a seat, and a space surrounded by the air cleaner, the seat and left and right portions of the rear fender is formed as an intake air path. A cutaway portion is provided on a side face of the rear fender connecting to a seat rail and is formed as an intake opening communicating outwardly sidewardly such that it is communicated with the intake air path on the inner side. External air taken in from the intake opening enters the intake path and is immediately introduced into the inside of the air cleaner through an intake duct.



0) US2005120763A – LOCKING ASSEMBLY FOR MOTOR VEHICLE OF SADDLE RI...

4) Family number: 31973326 (US2005120763A) © PatBase

Title: LOCKING ASSEMBLY FOR MOTOR VEHICLE OF SADDLE RIDING TYPE

Priority: CA20042487487 20041115 JP20030394578 20031125

Family:

Publication number	Publication date	Application number	Application date
CA2487487 AA	20050525	CA20042487487	20041115
CA2487487 C	20080108	CA20042487487	20041115
JP2005153687 A2	20050616	JP20030394578	20031125
JP4327571 B2	20090909	JP20030394578	20031125
US2005120763 AA	20050609	US20040995563	20041124
US7607368 BB	20091027	US20040995563	20041124

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): NAKANO NOBUHIKO ; TAKAHASHI SHINJI ; HONDA MOTOR CO

Inventor(s):(std)**:** NAKANO NOBUHIKO ; TAKAHASHI SHINJI

Agent(s): DENNISON ASSOCIATES; WESTERMAN HATTORI DANIELS AND ADRIAN LLP

International class (IPC 8–9)**:** B60K17/00 B60K20/02 B60R25/06 B62J15/00 B62J23/00 B62K5/00 B62K5/01 B62M25/04 E05B65/12 F16C1/10 F16C1/12 F16H61/18 G05G1/08 (Advanced/Invention); B60K17/00 B60K20/02 B60R25/06 B62J15/00 B62J23/00 B62K5/00 B62M25/00 E05B65/12 F16C1/10 F16H61/18 G05G1/00 (Core/Invention)

International class (IPC 1–7)**:** B60K20/02 B60R25/06 B62J15/00 B62J23/00 B62K5/00 B62M25/04 E05B65/12 F16H61/18

CPC: Y10S180/908 Y10T74/20402 Y10T74/2042 Y10T74/20474 F16H61/18 B62K5/01 Y10T70/5925

European class: B62K5/01 F16H61/18

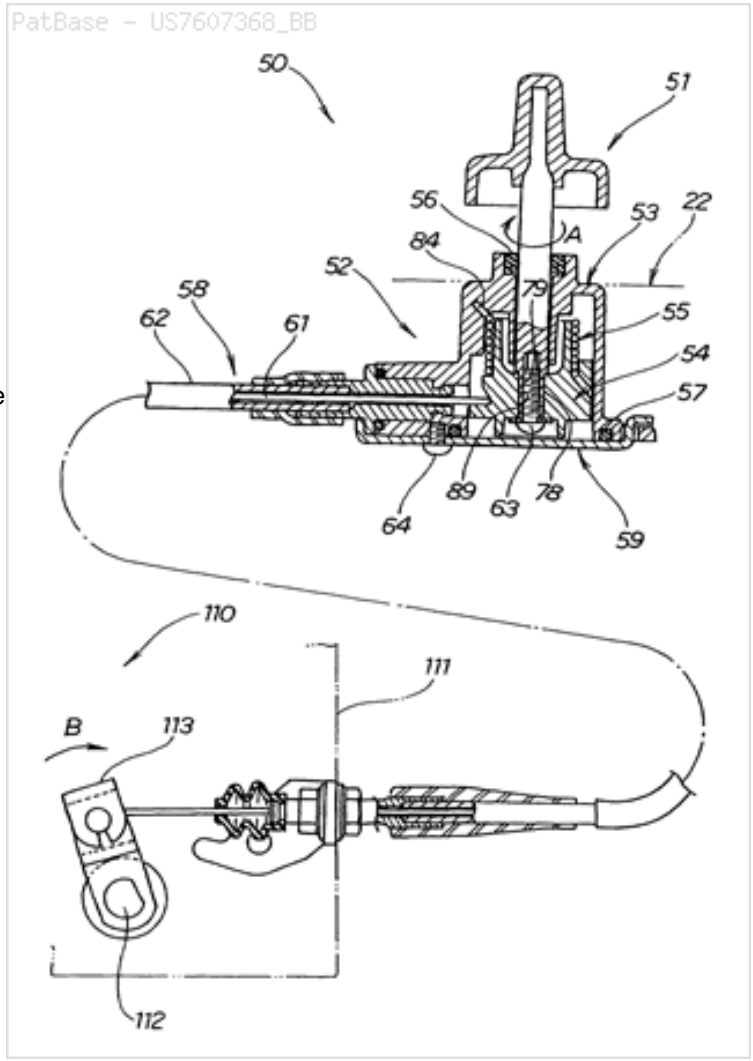
US class: 180/336 180/908 70/245 70/245P 74/500.5 74/501.6 74/504

Classification Explorer

Cited documents: US7150341 BB, US6725962 BA, US6443276 BB, US6270106 BA, US6237710 BA, US4372416 A, US3954250 A, US3529452 A, US2571473 A, US2039093 A, US2005034493 AA, US2003034195 AA, JPS6371430, JPS62218243, JPS6056634, JP6371430, JP6361693, JP63071430 A2, JP62233818, JP62218243 A2, JP6136083, JP60056634 A2, JP2000313384, JP2000313383 A2, JP2000313383, JP11227482, JP08337131, FR2722752 A1,

Forward Citations: US9386858, US9102205, US7793751, US2012193163, US2006219464, ES2365567,

Abstract:
Source: US2005120763A A locking assembly for a motor vehicle of a saddle riding type includes, a reverse lock disposed in a transmission of the vehicle for preventing a shift change of the transmission into reverse when the vehicle is traveling forward, and a lock release mechanism having an actuator, wherein the lock release mechanism is disposed in an opening in a front fender of the vehicle, such that the actuator projects above the opening. Further the locking assembly includes a cable operatively connecting the lock release mechanism with the reverse lock, such that actuation of the actuator causes the reverse lock to be released, a main body of the lock release mechanism housed beneath the opening on an underside of the fender for covering the lock release mechanism, and a cover body disposed on the fender, such that sides of the actuator and the opening are covered.



0) US2013049343A – MUDGUARD STRUCTURE FOR STRADDLE–RIDE TYPE VEHIC...

5) Family number: 53090216 (US2013049343A) © PatBase

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
EP2562068 B1	20140827	EP20120178461	20120730
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; PATENTANWAELTE 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 (IPC 8–9): B62D25/18 B62J15/00 B62J15/04 B62J33/00 B62K11/04 B62K25/20 B62M7/02 (Advanced/Invention)

CPC: B62J15/04 B62J33/00 B62K11/04

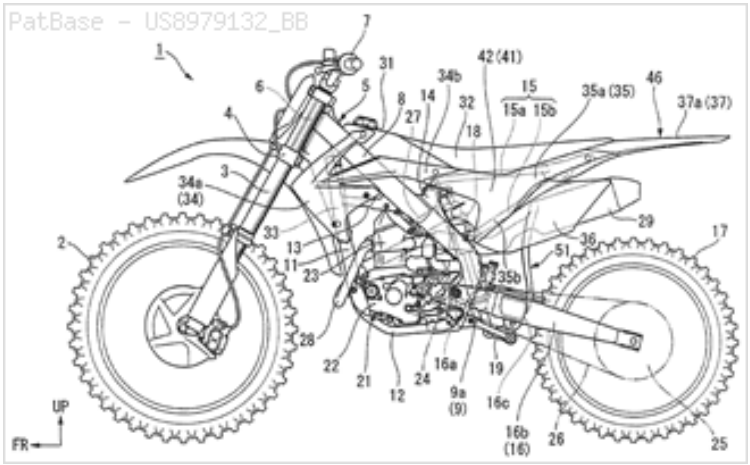
US class: 180/68.3 280/852

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.



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

6) Family number: 30545299 (US2005120715A) © PatBase

Title: HEAT ENERGY RECAPTURE AND RECYCLE AND ITS NEW APPLICATIONS

Priority:

CA20022397847	20020812	CA20022404410	20020920	PH20040000148	20040325
US19880255719	19881013	US19860820082	19860121	US19840631321	19840719
US19880177599	19880405	US19880255657	19881013	US19840631322	19840719
US20050795835	20050727	US19970058062P	19970905	US19900472753	19900131
US19890376002	19890815	US19930097655	19930727	US19910773680	19911008
US19950506335	19950725	US19910811470	19911218	US20050039624	20050120
WO2005US26793	20050727	US19970999729	19971223	US19980137499	19980820

Family:

Publication number	Publication date	Application number	Application date
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AU2005325208 AA	20060727	AU20050325208	20050727
AU2005325208 BB	20120329	AU20050325208	20050727
CA2397847 AA	20040212	CA20022397847	20020812
CA2404410 AA	20040320	CA20022404410	20020920
CA2599414 AA	20070823	CA20052599414	20050727
CN101146981 A	20080319	CN200580049207	20050727
EA200701538 A1	20081030	EA20070001538	20050727
EP1851418 A1	20071107	EP20050779535	20050727
EP1851418 A4	20090513	EP20050779535	20050727
IN05612DN2007 A	20070831	IN2007DN05612	20070719
US2005120715 AA	20050609	US20050039624	20050120
US2008155985 AA	20080703	US20050795835	20050727
US4756666 A	19880712	US19840631321	19840719
US4859146 A	19890822	US19880177599	19880405
US5027735 A	19910702	US19900472753	19900131
US5052902 A	19911001	US19860820082	19860121
US5056447 A	19911015	US19880255657	19881013
US5094595 A	19920310	US19890376002	19890815
US5435259 A	19950725	US19930097655	19930727
US5507943 A	19960416	US19910811470	19911218
US6293121 BA	20010925	US19980137499	19980820
US6327994 BA	20011211	US19970999729	19971223
US8051637 BB	20111108	US20050795835	20050727
WO06078315 A1	20060727	WO2005US26793	20050727
WO06078315 C1	20061102	WO2005US26793	20050727

Probable Assignee: CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST

Assignee(s):(std): CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST ; CHRISTION SCHOOL OF TECHNOLOGY ; GAUDENCIO LABRADOR ; LABRADOR GAUDENCIO ; LABRADOR GAUDENCIO A ; LABRADOR GAUDENCIO AQUINO ; CHRISTIAN SCHOOL OF TECHNOLOGY

Assignee(s): CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATI ; CHRISTION SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATI ; CHRISTION SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST

Inventor(s):(std): CHRISTIAN SCHOOL OF TECHNOLOGY ; LABRADOR GAUDENCIO A ; LABRADOR GAUDENCIO AQUINO

Inventor(s): CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE ; GAUDENCIO AQUINO 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

International class (IPC 8–9): B01D61/10 B63B1/10 B63B1/12 B63B35/00 B63B35/44 B63B39/06 B63B43/06 B63G1/00 B63G8/30 B63H19/02 B63H9/06 B63H9/10 B63J3/00 B64C31/04 B64C31/06 E02B3/06 F01K13/00 F01K23/10 F01K27/00 F02C1/00 F02C1/05 F02G5/00 F03B13/18 F03D11/04 F03D5/00 F03D5/04 F03G7/00 F24F5/00 F24F6/14 F28D5/00 (Advanced/Invention); B63B1/24 B63J1/00 F24F1/00 (Advanced/Non–invention); B01D61/02 B63B1/00 B63B35/00 B63B35/44 B63B43/00 B63H9/00 B63J3/00 E02B3/06 F01K23/10 F01K27/00 F02C1/00 F02G5/00 F03B13/00 F03D5/00 F03G7/00 (Core/Invention)

International class (IPC 1–7): B01D61/10 B63B17/00 B63B35/00 B63B7/00 F01K23/10 F03D5/02 F03D5/04 F03G7/00 F04B35/00 F24F6/14 F28D5/00

CPC: B63H9/06 B63H9/1021 F05D2260/212 F01K27/00 F02C1/05 F03G7/00 Y02T50/672 Y02T50/676 B63B1/121 Y02W10/33 Y02W10/37 B63B1/107 B63B1/24 B63B39/06 B63B2039/067 B63G1/00 B63G8/30 B63H19/02 B63J1/00 C02F1/04 F05B2240/40 Y02T70/59 B63B35/00 B63B43/06 B63J3/00 E02B3/062 E02B2017/0091 F03B13/182 F03D5/04 F24F5/0035 F24F6/14 Y02B10/30 Y02B10/50 Y02E10/38 F03D13/20 F28D5/00 B01D61/10 B63B35/44 B63B2035/446 B63B2035/4466 B64C31/04 B64C31/06 F03D5/00 F05B2240/921 F05B2240/922 F24F2001/0088 Y02B30/545 Y02E10/70 Y02E10/728 B63H9/10 F05B2210/18

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US class: 114/102 114/267 114/382 114/39.1 114/39.2 114/39.26 114/39.29 114/39.31 210/136 210/170 210/259 210/321.87 244/153.00R 244/153R 244/24 405/76 415/5 416/8 417/330 417/332 60/39.01 60/506 60/618 60/618P 60/676 60/698 60/698P 60/772 62/304 62/310 62/314 623/40

Classification Explorer

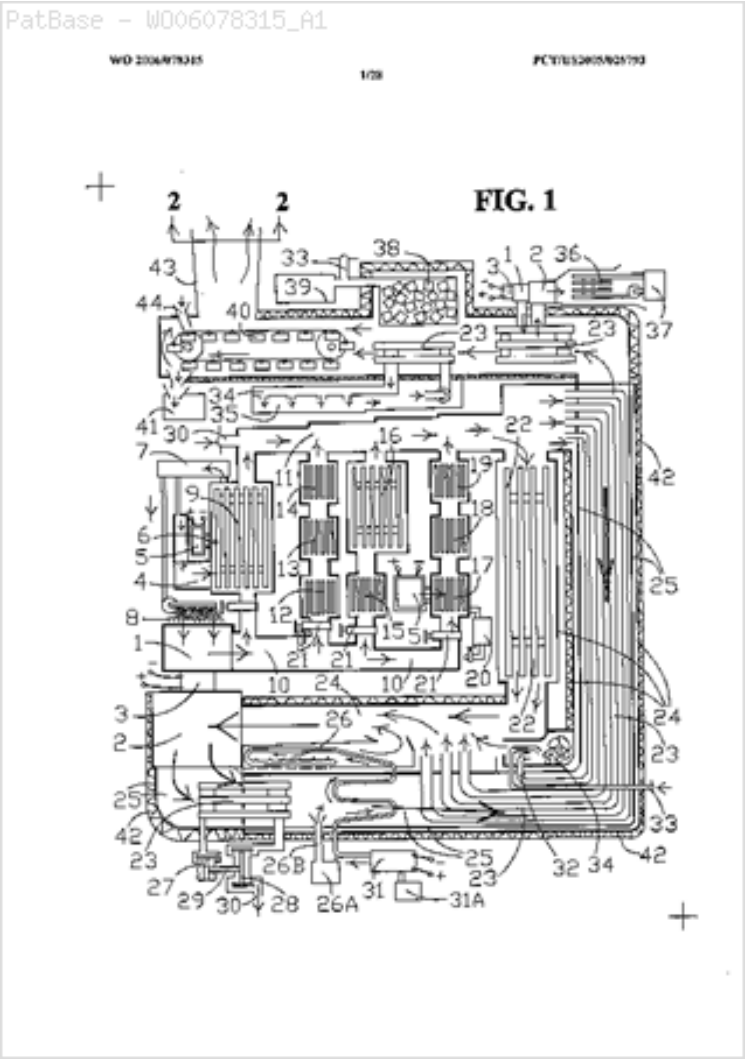
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Forward Citations: WO9604479, WO9510706, WO9421913, WO16176184, WO16154757, WO16130438, WO15083154, WO15049551, WO13150320, WO13150320, WO13063606, WO13052752, WO13052752, WO11121557, WO11024084, WO11024084, WO10151237, WO10096656, WO10096656, WO10043987, WO10043987, WO10000100, WO09118427, WO09059111, WO09058637, WO09052202, WO09052202, WO09003362, WO08124037, WO08072269, WO08054131, WO08031904, WO08006413, WO07065717, WO07027544, WO07000788, WO06117593, WO06113988, WO06078315, WO06028454, WO05064155, WO03092847, WO03092847, WO02072479, WO02063165, WO02056989, WO02056989, WO0141897, USD749231, USD747450, USD746966, USD746425, USD729925, USD729376, USD729375, USD729374, USD729373, USD729372, USD728770, USD728769, USD728092, USD718208, USD581438, US9617971, US9611829, US9599995, US9599368, US9599356, US9598826, US9587630, US9581255, US9581140, US9581135, US9568021, US9568006, US9546099, US9534581, US9513028,

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Abstract:
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.



0) US2009243275A – SADDLE–TYPE VEHICLE INCLUDING WHEEL WELL SHIELD...

7) Family number: 43782959 (US2009243275A) © PatBase

Title: SADDLE–TYPE VEHICLE INCLUDING WHEEL WELL SHIELDS AND AN UNDERBODY SPLASH GUARD MEMBER

Priority: CA20092648844 20090108 JP20080082962 20080327

Family:

Publication number	Publication date	Application number	Application date
CA2648844 AA	20090927	CA20092648844	20090108
CA2648844 C	20110920	CA20092648844	20090108
JP2009234423 A2	20091015	JP20080082962	20080327
JP5129631 B2	20130130	JP20080082962	20080327
US2009243275 AA	20091001	US20090378140	20090211
US8141906 BB	20120327	US20090378140	20090211

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; HOSODA TETSURO ; OSHIMA TADASHI ; HIRAI KAZUHITO

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** HIRAI KAZUHITO ; HOSODA TETSURO ; OSHIMA TADASHI ; HOSODA TETSUO

Agent(s): DENNISON ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES; CARRIER BLACKMAN AND ASSOCIATES PC; WILLIAM D; JOSEPH P

International class (IPC 8–9): B62D25/16 B62D25/18 B62D25/20 B62J15/00 B62J23/00 B62K11/00 B62K5/00 (Advanced/Invention); B62D25/16 B62J15/00 B62J23/00 B62K5/00 (Core/Invention)

CPC: B62K5/01

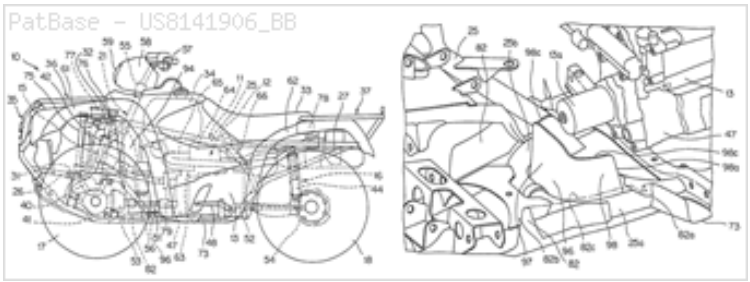
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US class: 180/69.1 180/84 280/159 280/160 280/847 280/848 280/851 280/851P 280/853 296/198

Classification Explorer

Cited documents: US4773661 A, US2006197331 AA, JPS63201890 U, JPS6219437 U, JPS6216086 U, JPS60166526, JP63201890 U1, JP63201890 U, JP63201890 A2, JP63201890 A1, JP62019437 U1, JP62019437 U, JP62019437 A2, JP62016086 U1, JP62016086 U, JP62016086 A2, JP60166526 A2, JP1113093 U1,

Forward Citations: JP2010510381,



Abstract:
Source: US2009243275A A saddle–type vehicle has an engine compartment protected from mud and water splash by wheel well shields and a centrally located underbody splash guard member, arranged to substantially block mud and water from splashing back toward an engine during operation of the vehicle. These splash guards are also configured to ensure a space for maintenance. The vehicle includes inner wheel well shields located respectively laterally inside of the front wheels, and an underbody splash guard member including first and second guard portions. The first guard portion provided on the underbody splash guard member is located laterally inside of the wheel well shields, and the second guard portion is located laterally inside of the first guard portion for covering a front portion of the engine.

0) EP2508415A1 – MOTORCYCLE MOTORRAD MOTOCYCLETTE

8) Family number: 52080943 (EP2508415A1) © PatBase

Title: Motorcycle

Priority: EP20120163258 20120405 JP20110085192 20110407

Family:

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

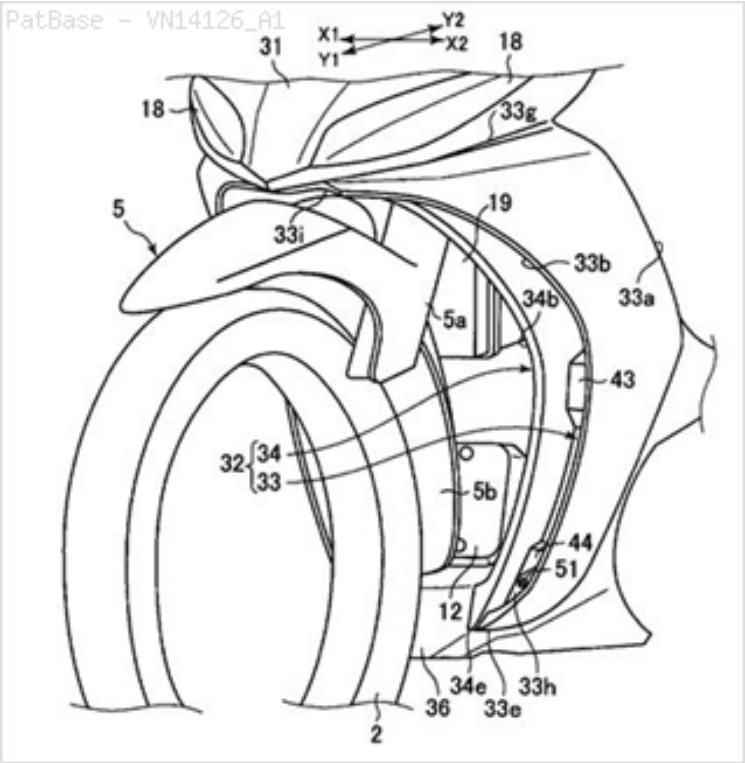
European class: B62J17/02 B62J17/06 L62K202/00

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.



0) EP2540603A2 – SADDLE TYPE VEHICLE FAHRZEUG MIT EINEM SATTEL ...

9) Family number: 52663651 (EP2540603A2) © PatBase

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 PATENTANWAELTE 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

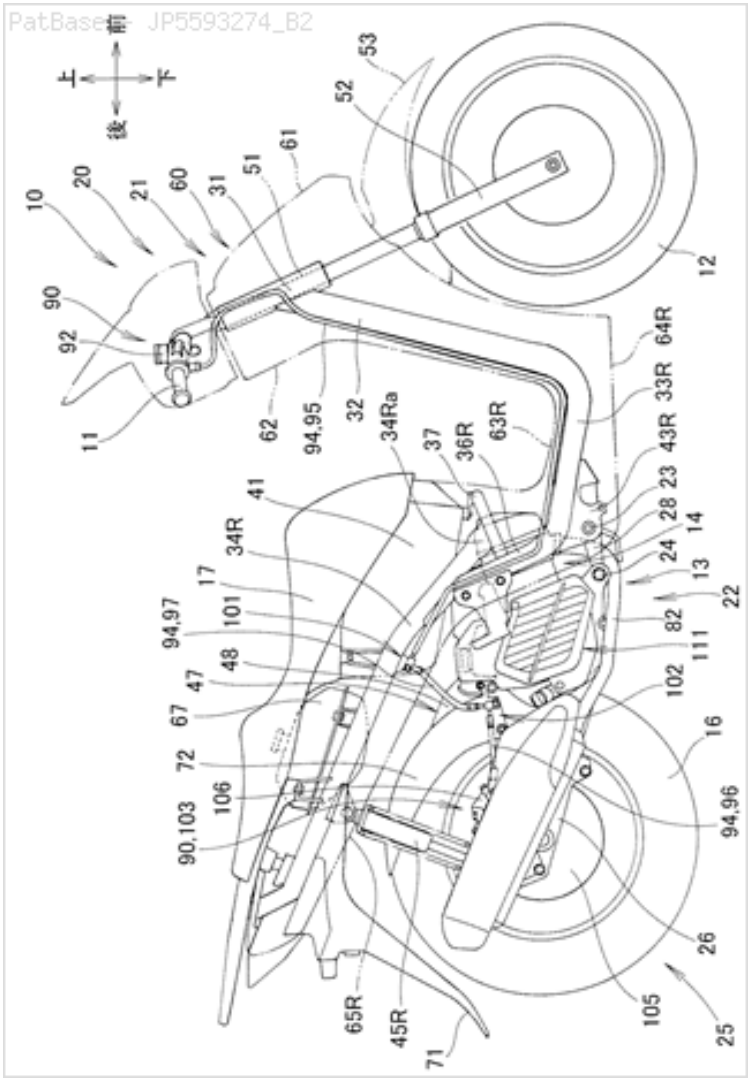
European class: B62J15/00 L62K202/00

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).



0) US2005230992A – STRADDLE–TYPE VEHICLE

10) Family number: 32319064 (US2005230992A) © PatBase

Title: STRADDLE–TYPE VEHICLE

Priority: JP20040121773 20040416

Family:

Publication number	Publication date	Application number	Application date
JP2005306060 A2	20051104	JP20040121773	20040416
US2005230992 AA	20051020	US20050107313	20050415
US7044527 BB	20060516	US20050107313	20050415

Probable Assignee: KAWASAK JUKOGYO KK

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD ; MAEDA KAZUHIRO ; NISHIZAWA RYO

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK ; KAWASAK JUKOGYO KK

Inventor(s):(std)**:** MAEDA KAZUHIRO ; NISHIZAWA MAKOTO ; NISHIZAWA RYO

Agent(s): ALLEMAN HALL MCCOY RUSSELL AND TUTTLE LLP

International class (IPC 8–9)**:** B60R11/06 B60R7/00 B62J15/00 B62K19/46 B62K5/00 (Advanced/Invention); B60R11/00 B60R7/00 B62J15/00 B62K19/00 B62K5/00 (Core/Invention)

International class (IPC 1–7)**:** B60R7/00 B62J15/00 B62K5/00

CPC: B62J15/00 B62K5/01 B62K19/46

European class: B62J15/00 B62K19/46 B62K5/01

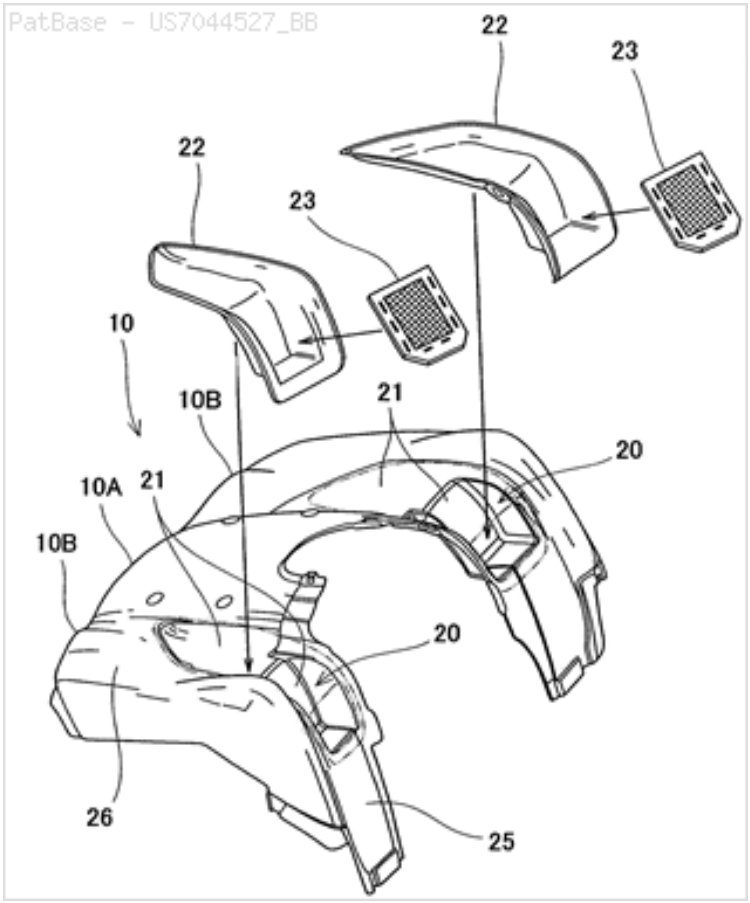
US class: 296/198 296/37.1 296/37.100P

Classification Explorer

Cited documents: US6874590 BB, US6874590 BA, US6874590 B1, US6719346 BB, US6719346 BA, US6719346 B1, US6533339 BA, US2004195855 AA, JP62179880 A2,

Forward Citations: US8888162, US8646668, US7967359, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7527298, US7523981, US7510236, US7438350, US7413244, US2014110961, US2011031291, US2009001781, US2009001762, US2009001745, US2009001704, US2008185864, US2008072558, US2008025812, US2008023991, US2008023990, US2008023989, US2005242605,

Abstract:
Source: US2005230992A A straddle−type vehicle is disclosed, including a front fender configured to cover a front portion of a vehicle body of the vehicle, which is provided with a concave portion formed integrally in the front fender, the concave portion being configured to be recessed toward a front wheel and to open outward of the vehicle body to form a storage portion in which articles are placed for storage.



0) US2003132048A – MOTORCYCLE AND REAR BODY STRUCTURE THEREFOR

11) Family number: 28815291 (US2003132048A) © PatBase

Title: MOTORCYCLE AND REAR BODY STRUCTURE THEREFOR

Priority: JP20020004238 20020111

Family:

Publication number	Publication date	Application number	Application date
CN1296247 C	20070124	CN20021048756	20021115
CN1442340 A	20030917	CN20021048756	20021115
DE10300685 A1	20030724	DE20031000685	20030110
DE10300685 B4	20070503	DE20031000685	20030110
JP2003205875 A2	20030722	JP20020004238	20020111
JP4144222 B2	20080903	JP20020004238	20020111
US2003132048 AA	20030717	US20020271055	20021014
US6695330 BB	20040224	US20020271055	20021014

Probable Assignee: SUZUKI MOTOR CORP

Assignee(s):(std)**:** SUZUKI CO LTD ; SUZUKI K K ; SUZUKI MOTOR CO ; SUZUKI MOTOR CORP

Assignee(s): SUZUKI MOTOR CORP HAMAMATSU ; SUZUKI KK

Inventor(s):(std)**:** HATA YASUO ; YASUO SHIN ; SHIN YASUO

International class (IPC 8–9)**:** B62J15/00 B62J15/02 B62J15/04 B62J17/00 B62J6/00 B62J6/04 B62J7/04 B62J9/00 B62K11/00 B62K11/02 B62M7/00 (Advanced/Invention); B62J15/00 B62J17/00 B62J6/00 B62J7/00 B62J9/00 B62K11/00 B62M7/00 (Core/Invention)

International class (IPC 1–7)**:** B62D25/16 B62D61/02 B62J15/00 B62J6/00 B62J9/00 B62K11/00 B62K11/02 B62K15/00 B62M7/00

CPC: B62J17/00 B62K11/00

European class: B62J17/00 B62K11/00

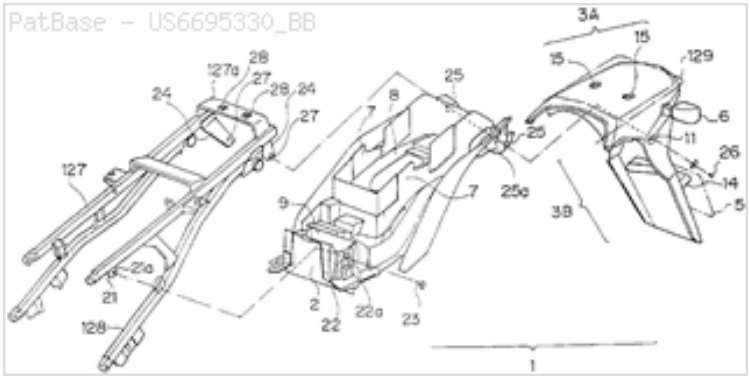
US class: 180/219 280/152.3

Classification Explorer

Cited documents: US6378643 BA, US6257362 BA, US6073948 A, US5618060 A, US4958451 A, US4790087 A, US4485884 A, US4422659 A, US3927727 A, JP7069260 A2, JP62021509 Y2, JP62021509 A2, DE29704618 U1,

Forward Citations: USD663661, USD636914, USD600374, USD600373, USD581846, USD567715, USD557188, USD555542, USD531093, USD516976, USD512669, USD500972, US9434436, US9233727, US9174690, US8833984, US8499878, US8469132, US8459393, US8366169, US8317212, US8177250, US7845451, US7823677, US7766355, US7748746, US7669682, US7658395, US7635140, US7490693, US7331593, US7318502, US7234559, US6889990, US6776250, US2015259019, US2013343073, US2012320612, US2012285762, US2011241422, US2010194149, US2010194131, US2010001551, US2009242313, US2009108557, US2009079156, US2008185209, US2008169148, US2008156570, US2008054585, US2007045023, US2006185942, US2006076176, US2002096377, JP5806483, JP2012187947, JP2010179703, JP2008055991, EP3088284, EP2213565, EP1555197, CN104192234, CN103847867, CN103269925, CN103269925, CN103010345, CN102556229, CN102464072, CN102464072, CN102381398, CN102381398, CN102381393, CN102351021, CN102139725, CN102139725, CN102030063,

Abstract:



Source: US2003132048A A rear fender 1 is disposed in the periphery of a rear wheel. A rear fender front half 2 is connected to a rear fender rear half 3 in which a seat tail cowl portion 3A and a fender tail portion 3B are formed as an integral body. A tail light serving also as a brake light, a license plate illuminating light for illuminating a license plate mounting portion and a license plate 5, and a pair of direction indicating lights 6 are mounted on a rear wheel rear fender constituted by the rear fender rear half 3, thereby forming the rear wheel rear fender as a unit. The tail light is mounted on the rear wheel rear fender through a tail light bracket. The stay portions of the tail light bracket and seat tail cowl portion 3A are fastened and fixed to each other by bolts which are disposed in the base portions of the direction indicating lights 6.

0) US2006124379A – SYSTEM FOR ACCESSING AN AIR BOX IN A STRADDLE T...

12) Family number: 33074654 (US2006124379A) © PatBase

Title: SYSTEM FOR ACCESSING AN AIR BOX IN A STRADDLE TYPE VEHICLE

Priority: JP20040338066 20041122

Family:

Publication number	Publication date	Application number	Application date
JP2006143082 A2	20060608	JP20040338066	20041122
US2006124379 AA	20060615	US20050284793	20051122
US7431114 BB	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 (IPC 8–9)**:** B60K7/00 B62J15/00 B62J99/00 F02M35/02 F02M35/16 (Advanced/Invention); 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

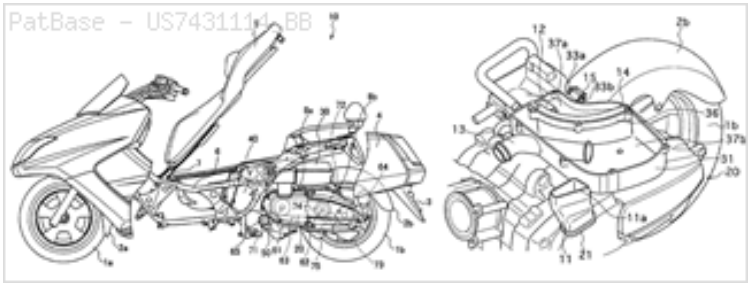
US class: 123/198.00ES 123/198E 180/219 180/292 180/68.3

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) US2016059921A – FRONT FENDER STRUCTURE FOR SADDLE–RIDE TYPE VEH...

13) Family number: 61798327 (US2016059921A) © PatBase

Title: FRONT FENDER STRUCTURE FOR SADDLE–RIDE TYPE VEHICLE

Priority: JP20140177039 20140901

Family:

Publication number	Publication date	Application number	Application date
JP2016049902 A2	20160411	JP20140177039	20140901
US2016059921 AA	20160303	US20150826548	20150814

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** KITAYAMA KYOSUKE ; UENO HIROTSUGU ; UENO KOJI

International class (IPC 8–9): B62J15/00 B62J15/02 B62J99/00 (Advanced/Invention)

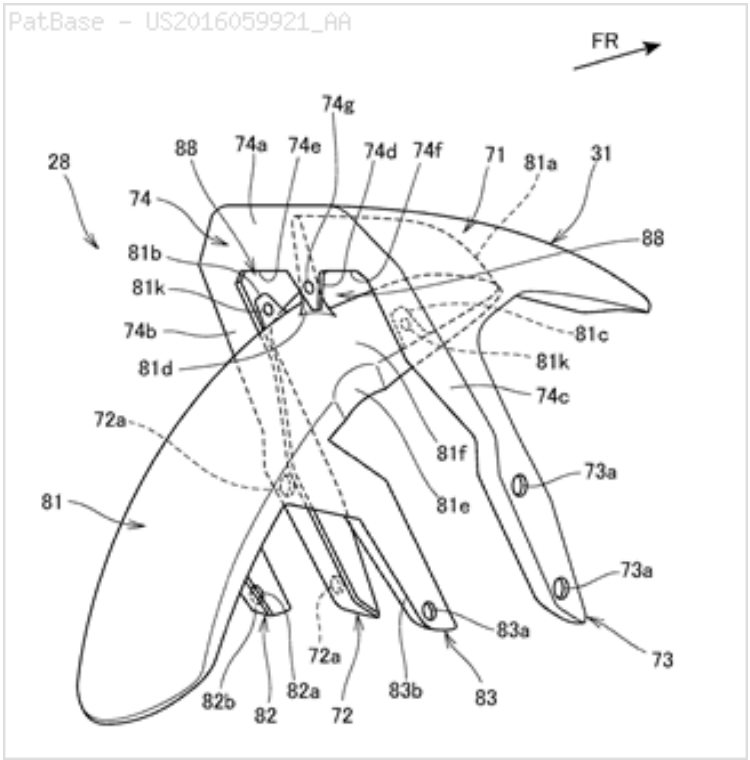
CPC: B62J15/00

US class: 280/304.3

Classification Explorer

Cited documents: US8864002 BB, US8562010 BB, US8016307 BB, US7681942 BB, US7325639 BB, US6634664 BA, US6435533 BA, US6331011 BA, US5275427 A,

Abstract:
Source: US2016059921A A front fender structure for a saddle–ride type vehicle, capable of preventing water, mud or the like from adhering to an engine, a radiator or the like while efficiently cooling the engine, the radiator or the like by using traveling air. A front fender is supported by a front fork in such a manner that a front end of a backward fender is positioned higher than a front end of a forward fender in a side view, and is formed with ventilating holes 88 allowing traveling air to pass through and provided behind the forward fender and above the backward fender.



0) EP2949558B1 – GRAETSCHSITZ–FAHRZEUG STRADDLE–TYPE VEHICLE V...

14) Family number: 60967362 (EP2949558B1) © PatBase

Title: GRAETSCHSITZ–FAHRZEUG STRADDLE–TYPE VEHICLE

Priority: EP20150152771 20150128 JP20140108811 20140527

Family:

Publication number	Publication date	Application number	Application date
DE602015000069 D1	20160728	DE201560000069T	20150128
EP2949558 A1	20151202	EP20150152771	20150128
EP2949558 B1	20160615	EP20150152771	20150128
ES2578163 T3	20160721	ES20150152771T	20150128
ID201606393 A	20161125	ID2015P0002860	20150513
JP2015223902 A2	20151214	JP20140108811	20140527
TH154655 A	20160726	TH20151002192	20150421

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)**:** YAGI KYOHEI

Inventor(s): KYOHEI YAGI ; YAGI KYOHEI IWATA SHI

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; UNGRIA JAVIER; INSAN BUDI MAULANA; 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

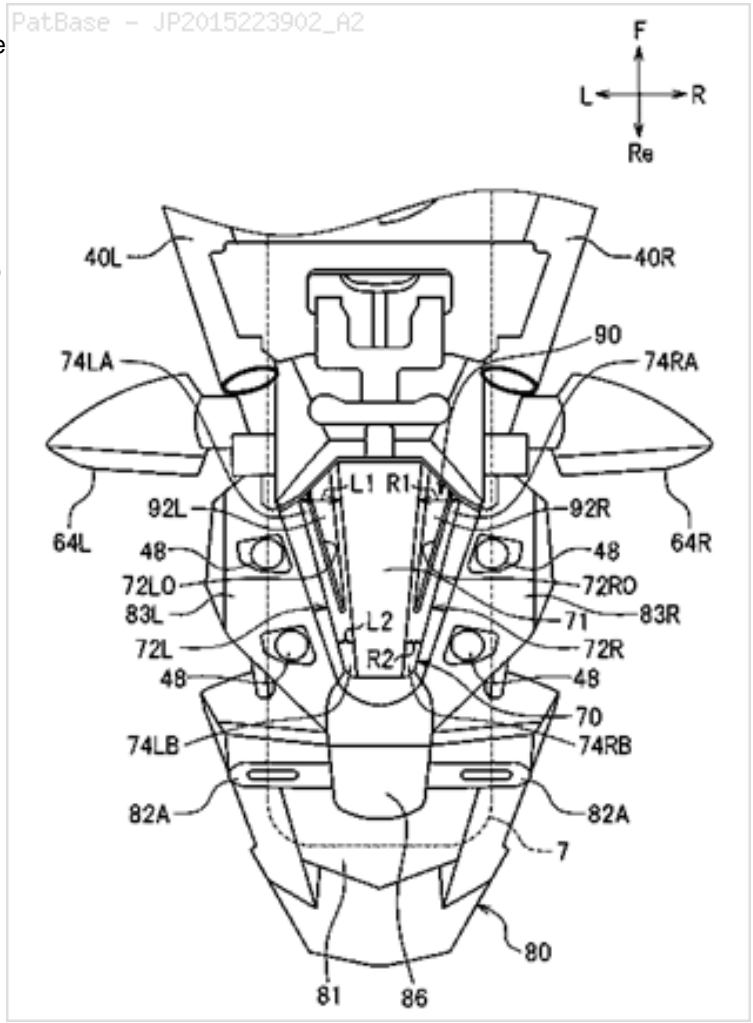
International class (IPC 8–9): B62J15/00 B62J15/02 B62J23/00 B62J6/00 B62J6/04 B62J6/18 B62J99/00 (Advanced/Invention); B62J15/02 B62J6/18 (Core/Invention)

CPC: B62J15/00 B62J6/18 B62J15/02

Classification Explorer

Cited documents: JP2008162511 A2, EP2669165 A1, EP2287066 A1, EP2213559 A2,

Abstract:
Source: EP2949558A1 A straddle−type vehicle (1) including right and left rear flashers (64R, 64L) disposed forward relative to a tail light (60), a metal connection member (70) disposed under the tail light (60), connected to right and left seat frames (40R, 40L) at positions forward relative to the right and left rear flashers (64R, 64L), and extending rearward from the right and left seat frames (40R, 40L), and a mudguard (80) connected to the connection member (70) wherein the connection member (70) includes a first left side wall extending obliquely downward and leftward from a first upper wall and including a first opening, and a first right side wall extending obliquely downward and rightward from the first upper wall and including a second opening and the first and second openings are covered with a plate member (90) molded of a resin material.



15) Family number: 33278645 (EP1695897A1) © PatBase

Title: MOTOR VEHICLE OF SADDLE RIDING TYPE

Priority: EP20050101371 20050223

Family:

Publication number	Publication date	Application number	Application date
DE602005005627 D1	20080508	DE200560005627T	20050223
DE602005005627 T2	20090507	DE200560005627T	20050223
EP1695897 A1	20060830	EP20050101371	20050223
EP1695897 B1	20080326	EP20050101371	20050223
ES2304663 T3	20081016	ES20050101371T	20050223
PT1695897 T	20080617	PT20050101371T	20050223

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** TAKAHASHI SHINJI ; NAKANO NOBUHIKO

Inventor(s): NAKANO NOBUHIKO C O HONDA GIJUTSU KENKYUSHO KK ; TAKAHASHI SHINJI C O HONDA GIJUTSU KENKYUSHO KK ; SHINJI TAKAHASHI ; NOBUHIKO NAKANO

Agent(s): POULIN GERARD ET AL

Designated states: DE ES FR GB PT

International class (IPC 8–9): B62K5/08 (Advanced/Invention)

CPC: B62K5/01

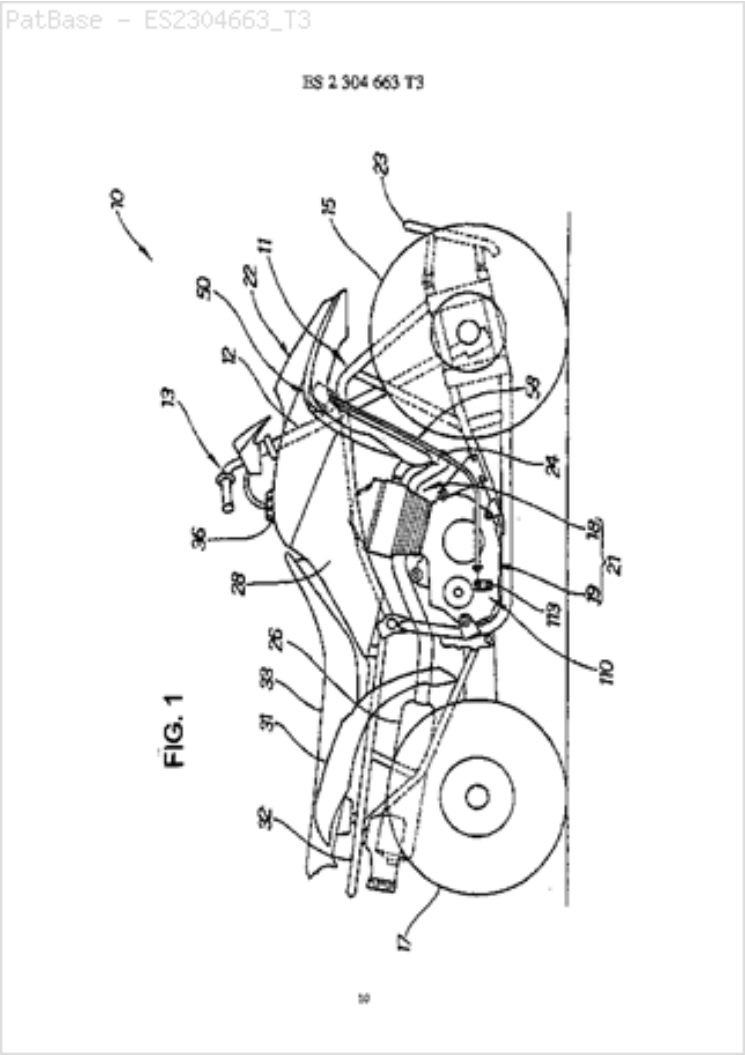
European class: B62K5/01

Classification Explorer

Cited documents: US2003034195 AA, JP7080426, JP62218243, FR2722752 A1,

Forward Citations: US8926467,

Abstract:
Source: EP1695897A1 According to the invention, the motor vehicle of a saddle riding type comprises: locking means which is provided to the side of a transmission for the purpose of preventing a shift change from being made toward the reverse side while the motor vehicle is running forward; a lock release mechanism which is provided to the side of a front fender (22) for the purpose of releasing the locking means through a cable, wherein an opening (73) is provided to the front fender (22) for arranging the lock release mechanism (50) in the front fender (22) and a main body (52) of the lock release mechanism (50) is housed underneath this opening (73), and wherein an operation knob (operation unit) (51) of the lock release mechanism (50) is caused to stick out upward from the opening (73) and the sides of this operation knob (51) is covered with a covering body (49).



0) US2015210340A – FOLDING VEHICLE

16) Family number: 58245748 (US2015210340A) © PatBase

Title: FOLDING VEHICLE

Priority: TW20140103633 20140129 TW20140213553U 20140731

Family:

Publication number	Publication date	Application number	Application date
EP2902305 A1	20150805	EP20140196210	20141204
JP3196617 U	20150326	JP20150000068U	20150109
TW201529397 A	20150801	TW20140103633	20140129
TWI560095 B	20161201	TW20140103633	20140129
TWM493506 Y	20150111	TW20140213553U	20140731
US2015210340 AA	20150730	US20140519236	20141021

Probable Assignee: WANG YAO CHIN

Assignee(s):(std)**:** WANG YAO CHIN ; WANG YAO QIN

Assignee(s): WANG YAOQIN

Inventor(s):(std)**:** WANG YAO CHIN ; WANG YAO QIN ; WANG SHUO FENG

Agent(s): VIERING JENTSCHURA AND PARTNER PATENT U RECHTSANWAELTE

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): B62K15/00 (Advanced/Invention)

CPC: B62K2015/005 B62K15/006

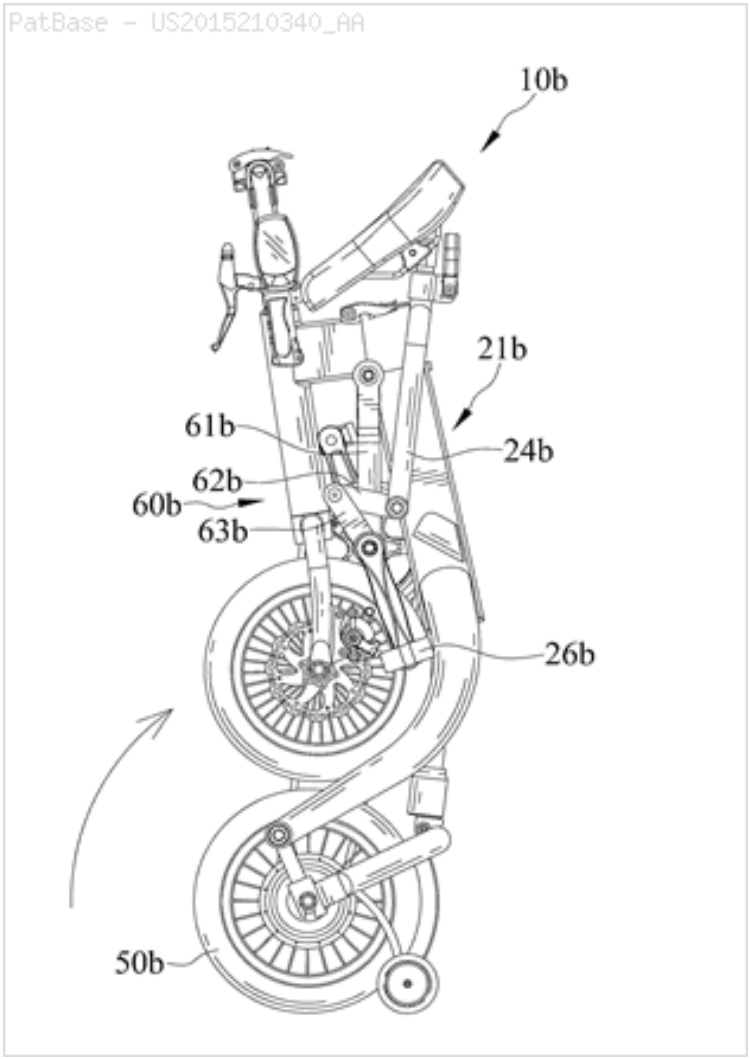
US class: 280/278

Classification Explorer

Cited documents: US2008185812 AA, US2007063478 AA, TWM464387 Y, TWM348056, EP1090832 A1, EP0992422 A2, DE2651305 A1, DE10050667 A1,

Forward Citations: US9604688, US9302728, US9284008, US2015375821,

Abstract:
Source: US2015210340A A folding vehicle includes first and second front frame extension sections pivotal about a first pivot axis. A head tube spaces from the first pivot axis at a first distance. A front rolling device is pivotal about a second pivot axis and has a radius. The first distance is smaller than the radius. A rear rolling device is pivotal about a third pivot axis. The front frame extension in a folded position thereof includes the first, second and third pivot axes not aligned with one another, and the second and third pivot axes disposed on a phantom plane, as well as the first pivot axis offsetting from the phantom plane and disposed on a first side of the phantom plane that is adjacent to the second front frame extension section.



0) US2006231308A – COVER STRUCTURE FOR BUGGY VEHICLE

17) Family number: 33511154 (US2006231308A) © PatBase

Title: COVER STRUCTURE FOR BUGGY VEHICLE

Priority: JP20050094497 20050329 JP20050171967 20050613 JP20050171969 20050613 JP20050171968 20050613

Family:

Publication number	Publication date	Application number	Application date
JP2006273089 A2	20061012	JP20050094497	20050329
JP2006347194 A2	20061228	JP20050171967	20050613
JP2006347195 A2	20061228	JP20050171968	20050613
JP2006347196 A2	20061228	JP20050171969	20050613
JP4490877 B2	20100630	JP20050171969	20050613
JP4555739 B2	20101006	JP20050171968	20050613
JP4583250 B2	20101117	JP20050171967	20050613
US2006231308 AA	20061019	US20060391305	20060329
US7740100 BB	20100622	US20060391305	20060329

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** HANABUSA SEIJI ; HANAFUSA SEIJI ; TAKAHASHI SHINJI ; SHIMIZU KENZO ; YAMAMOTO TAKAO

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

International class (IPC 8–9)**:** B60Q1/26 B60R13/04 B62D31/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K11/04 B62K19/30 B62K5/00 B62M25/06 (Advanced/Invention); B60Q1/26 B62D31/00 B62J17/00 B62J23/00 B62J25/00 B62K11/00 B62K5/00 B62M25/00 (Core/Invention)

CPC: B62K5/01

European class: B62K5/01

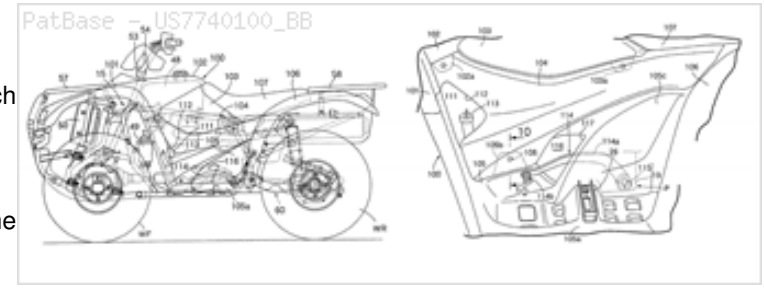
US class: 180/311 180/89.1 180/89.100P 296/191 296/193.05

Classification Explorer

Cited documents: US7350854 BB, US7216912 BB, US7098778 BA, US7097188 BB, US7048293 BB, US6948581 BB, US6533055 BB, US4535869 A, US2005173886 AA, US2004124032 AA, JPS62127889 U, JPS60156094 U, JPS5937195 U, JPS58140888 U, JPS5643074, JP62127889 U1, JP62127889 u1, JP6057542 B2, JP60156094 U1, JP60156094 u1, JP60156094 U, JP59037195 U1, JP59037195 U, JP58140888 U1, JP58140888 u1, JP56043074 A2, JP5012386 U1, JP4221286 A2, JP3271088 A2, JP3136993 A2, JP3104793 A2, JP2011484 A2, JP2003326985 A2, JP2002211469 A2, JP2002096788 A2, JP2002046683 A2, JP2002019665 A2, JP2001010580 A2, JP2000344178 A2, JP2000302076 A2, JP2000085668 A2, JP1240373 A2, JP1178093 A2, JP1029194 Y2, JP10081280 A2,

Forward Citations: US9133740, US8967315, US8967172, US8864204, US8157044, US7988226, US7950490, US7604082, US2015165886, US2009273196, US2009057509, US2007051553, US2006066069, JP5851230, JP5681591, JP2013129281, JP2013043484, CN102205863, CN102001390,

Abstract:



Source: US2006231308A A body cover being formed by joining together a plurality of cover members including a maintenance cover which is detachably disposed on the side of the power unit. A pedal which is actuated by an individual operating the vehicle wherein the overall body frame is covered without modifying the structure and arrangement of the pedal. A suspension system wherein a swing arm type or an independent suspension type may be used in the vehicle. A light structure for a tail light wherein attaching lighting components such as a light emitting section are attached to a substrate formed in part of a lid of a utility box attached to a rear part of a vehicle. The lighting components such as the substrate are directly assembled in the concave section, and a lens is attached to the concave section by welding.

0) US2001047896A – ELECTRICAL OUTLET ARRANGEMENT FOR ATV

18) Family number: 28154170 (US2001047896A) © PatBase

Title: Electrical outlet arrangement for ATV

Priority: JP19990120560 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313383 A2	20001114	JP19990120560	19990427
US2001047896 AA	20011206	US20000560300	20000427
US6533055 BB	20030318	US20000560300	20000427

Probable Assignee: YAMAHA HATSUDOKI KK

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

Assignee(s): MATSUURA TATSUYA ; SUZUKI YASUHIRO ; YAMAHA HATSUDOKI KABUSHIKI KAISHA ; YAMAHA HATSUDOKI KK

Inventor(s):(std): MATSUURA TATSUYA ; SUZUKI YASUHIRO

International class (IPC 8–9): B62D25/12 B62J99/00 (Advanced/Invention) ; B62D25/10 B62J99/00 (Core/Invention)

International class (IPC 1–7): B60R19/00 B62D25/12 B62D39/00 B62J39/00

CPC: B62D25/12

European class: B62D25/12

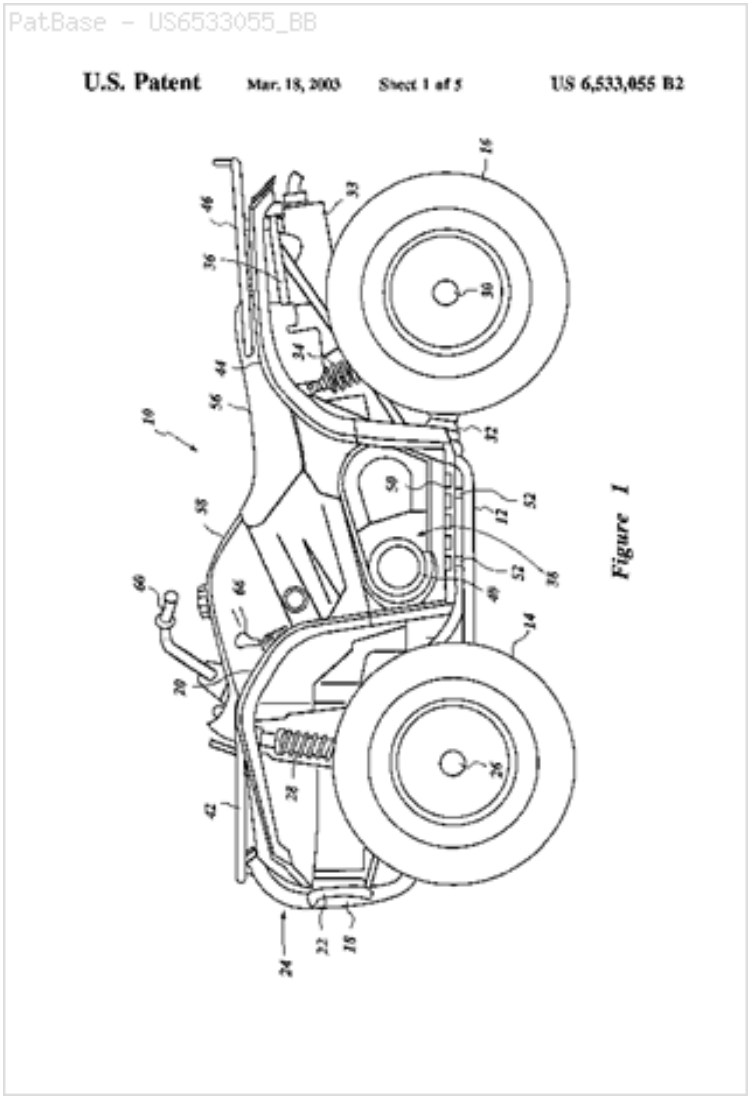
US class: 180/69.24 180/89.1 280/727 293/1 296/198

Classification Explorer

Cited documents: US6340177 BA, US5563451 A, US5364142 A, US4837494 A, US4807895 A, US4785227 A, US4713017 A, US4249035 A, US4113045 A, JP61050834 A2,

Forward Citations: WO14157372, USD592557, USD592556, US8985253, US8903622, US7740100, US7673713, US7607368, US7597387, US7591503, US7537271, US7530629, US7527323, US7527322, US7523981, US7510236, US7438350, US7261174, US6987328, US2009001781, US2009001762, US2009001745, US2009001704, US2008099257, US2008025812, US2008023991, US2008023990, US2008023989, US2006231308, US2004216935, JP5965055, JP4327571, JP2014157372, JP2009040087, JP2005153687, EP2548781, EP2202137,

Abstract:
Source: US2001047896A An arrangement for an electrical outlet for an all terrain vehicle is provided. The all terrain vehicle comprises a frame defining an engine compartment. The frame is supported by at least one front wheel and at least one rear wheel. A fender assembly is disposed above one or more of the wheels and has a recess formed therein. An electrical outlet is at least partially disposed in the recess. The recess includes a sloping lower surface to facilitate drainage. A hood is disposed above the recess and protects the electrical outlet.



19) Family number: 54274082 (JP2013136311A) © PatBase

Title: VEHICLE BODY STRUCTURE OF SADDLE RIDING TYPE ELECTRIC VEHICLE

Priority: JP20110288403 20111228

Family:

Publication number	Publication date	Application number	Application date
CN103183087 A	20130703	CN201210495555	20121128
CN103183087 B	20150617	CN201210495555	20121128
IN05394CH2012 A	20160506	IN2012CH05394	20121224
JP2013136311 A2	20130711	JP20110288403	20111228
JP5600669 B2	20141001	JP20110288403	20111228
TW201341250 A	20131016	TW20120140955	20121105
TWI486278 B	20150601	TW20120140955	20121105

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** MORIMOTO KENICHI

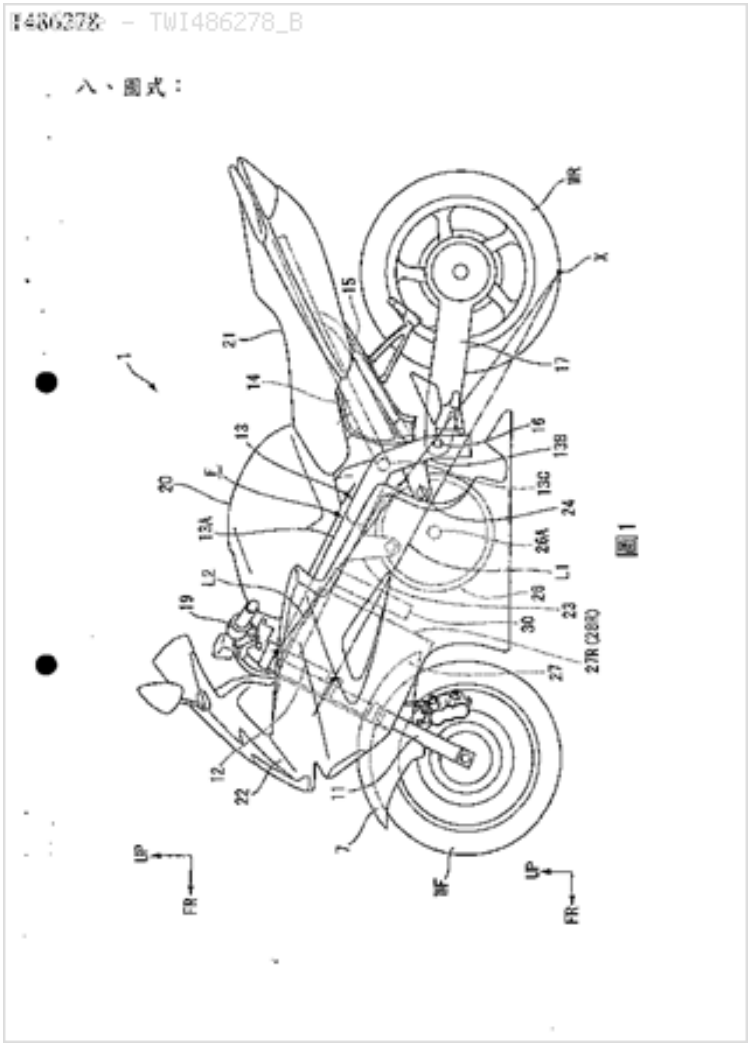
Inventor(s): KENICHI MORIMOTO

International class (IPC 8–9)**:** B60K1/04 B62J1/00 B62J11/00 B62J15/00 B62J17/06 B62J9/00 B62K11/00 B62K11/02 B62K19/00 B62M6/90 (Advanced/Invention)

Classification Explorer

Cited documents: US2009020347 AA, JP5105142 A2, JP5105142, JP5105142, JP2010083348 A2, JP2010083348, JP2008247166 A2, JP2008247166, JP2008080986 A2, JP2008080986, JP2006182315 A2, JP2006182315, JP20061523, JP2006151189 A2, JP2006151189, JP2006096105 A2, JP2006096105, JP2006001523 A2, JP2006001523, JP2005280656 A2, JP2005280656, JP05105142, CN1743217 A, CN1699087 A,

Abstract:
Source: JP2013136311A PROBLEM TO BE SOLVED: To provide a structure keeping a width dimension of a front part of a saddle riding type electric vehicle as small as possible and suppressing generation of vibrations of a vehicle body when a battery is arranged at a front part of the vehicle.SOLUTION: Part of each of a left battery unit 27 and a right battery unit 28 is arranged beside a front wheel WF and a front fender 7 turned integrally with the front wheel WF, and the rear part of each of the left battery unit 27 and the right battery unit 28 is arranged to be positioned inside the front part thereof in the width direction of the vehicle. The left battery unit 27 and the right battery unit 28 are arranged so that they may not interfere with a rotational trajectory of the front wheel WF and the front fender turned integrally with the front wheel WF.



0) US6622806B – AIR INLET FOR ATV

20) Family number: 13865171 (US6622806B) © PatBase

Title: AIR INLET FOR ATV

Priority: JP19990120567 19990427 JP19990120668 19990427

Family:

Publication number	Publication date	Application number	Application date
JP2000313382 A2	20001114	JP19990120567	19990427
JP2000313385 A2	20001114	JP19990120668	19990427
US6622806 BA	20030923	US20000553652	20000421

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** MATSUURA TATSUYA

International class (IPC 8–9)**:** B60K11/04 B62J99/00 B62K5/00 F01P5/02 F16H57/04 F16H57/05 (Advanced/Invention); B60K11/02 B62J99/00 B62K5/00 F01P5/02 F16H57/04 F16H57/05 (Core/Invention)

International class (IPC 1–7)**:** B60K11/04 B60K11/08 B62J39/00 B62K5/00 F01P5/02 F16H57/04

CPC: Y10S180/908 F16H57/05 B60K11/04 B60Y2200/124 B62K5/01 F16H57/0412

European class: B60K11/04 B62K5/01 F16H57/04J F16H57/05 L60Y200/124

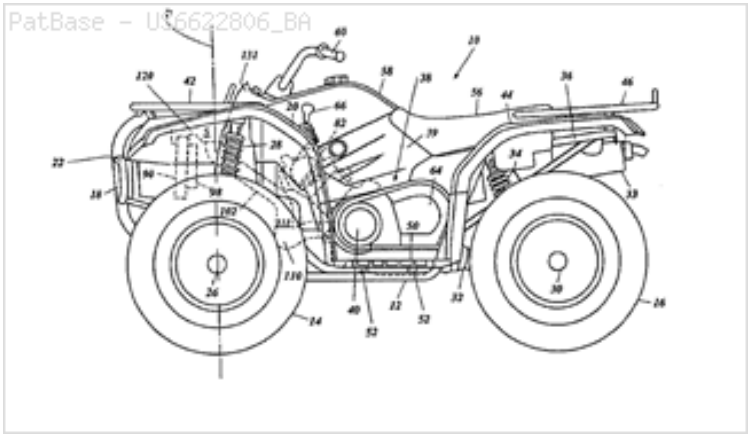
US class: 123/198E 180/68.1 180/68.4 180/908

Classification Explorer

Cited documents: US6454040 BA, US6302228 BA, US6167976 BA, US6056075 A, US6032620 A, US6016943 A, US5975624 A, US5899196 A, US5660245 A, US5660243 A, US5490573 A, US5279381 A, US5172786 A, US5152365 A, US5072698 A, US5016725 A, US4953525 A, US4907552 A, US4892164 A, US4848503 A, US4744432 A, US4697665 A, US4606422 A, US4597466 A, US4531928 A, US4497285 A, US4496019 A, US4454926 A, US438644 A, US4354570 A, US3650344 A, JPS6189187, JPS5977924, JP61089187 A2, JP59077924 A2, JP5057955 A2, GB164051 A, FR2782480 A1, DE171825 A,

Forward Citations: WO12018896, USRE43662, USD592557, USD592556, US9434244, US9365251, US9321494, US9279427, US9217501, US9211924, US9096123, US8827020, US8827019, US8801015, US8789633, US8746719, US8613336, US8613335, US8381855, US8074756, US7984781, US7793751, US7717206, US7690472, US7690462, US7650959, US7591337, US7581784, US7571787, US7562739, US7510199, US7506712, US7438153, US7438147, US7367417, US7363999, US7357211, US7350609, US7347296, US7320299, US7287619, US7284629, US7168516, US7121371, US7070019, US7059438, US7059438, US6966399, US6938676, US6920949, US6854542, US6823956, US6820708, US6786290, US2014360800, US2014062052, US2013136580, US2011094811, US2009038875, US2008289892, US2008246289, US2008053727, US2007215404, US2007169989, US2007114814, US2007075517, US2007075514, US2006254849, US2006219464, US2006065231, US2005279547, US2005247506, US2005133289, US2005133194, US2004262061, US2004231900, US2004195028, US2004129485, US2004113389, US2004112658, US2004108159, US2004099470, US2004035619, US2003089166, US2003066696, US2003051937, US2003029664, US2003029656, JP2009073402, JP2007099264, EP2889167, EP1835202, CN103249578, CN103249578,

Abstract:
Source: US6622806B An all terrain vehicle has a frame assembly. A pair of front wheels and a pair of rear wheels support the frame assembly. A front fender assembly extends over at least a portion of the front wheels. An engine is disposed between the front wheels and the rear wheels. The engine is water−cooled using a radiator and fan combination that is positioned forward of the engine. A belt drive forms a portion of a transmission that transfers power from the engine to at least the rear wheels. The belt drive is air cooled with air that is pulled into the belt drive by fans positioned within a belt case. The air is drawn from an air chamber formed within the front fender assembly. The chamber is positioned vertically higher than the radiator and fan combination and rearward thereof. The air passes between the chamber and the belt case through a duct. The duct extends downward and incorporates a central trap portion. The duct is positioned to lie at least partially within an area that overlaps the fan from a front elevation view. The duct also bends across a central longitudinal plane from inlet to outlet to allow a compact configuration while positioning the duct in protected regions.



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

21) Family number: 28290889 (US2003231485A) © PatBase

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

Priority:

US20020094155 20020308 US20020094156 20020308 US20020170584 20020614
US20030341519 20030114 US20030667787 20030923 US20020286871 20021104
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Family:

Publication number	Publication date	Application number	Application date
US2003231485 AA	20031218	US20020170584	20020614
US2003231486 AA	20031218	US20020286820	20021104
US2003231487 AA	20031218	US20020286871	20021104
US2004022052 AA	20040205	US20030341519	20030114
US2004046502 AA	20040311	US20030621513	20030718
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US2006073731 AA	20060406	US20050094156	20050331	
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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): F21V21/00 F21V21/08 F21V9/16 G01D11/28 G02B6/04 H01J1/62 H01R11/00

CPC: A42B1/242 A41D27/085 A42B1/244 A43B1/0036 A43B3/0005 A45C15/06 B60Q1/26 F21S2/00 G09F13/22 H05B37/0245 F21V19/00 F21V19/0015 F21V19/003 G03B15/03 H05B37/0218 H05B37/0236 Y02B20/42 F21V33/006 G02B6/0021 G02B6/0045 G09F23/00 H01H2009/186 H02G3/14 A43D999/00 B60R11/00 B60R13/00 B60R2011/0063 B60R2013/0287 H04M1/05 H04M1/6058 F21S10/066 F21V23/0407 H05B33/0857 A43C9/02 F21V29/20 F21V19/02 F21V1/00 F21V3/00 H01R33/06 F21V23/045 F21V5/048 F21V7/0066 F21V29/70 G03B21/2086 Y10T307/406 H05B33/0842 F21S10/007 F21V14/003 F21V14/006 G06F1/266 H02J4/00 H02J7/0042 H02J7/007 F21S2/005 F21S8/038 F21L4/00 F21L2001/00 F21S4/10 F21S4/20 A43B3/001 G03B21/20 F21V3/026 F21V14/08 F21V23/023 F21V33/0048 H01R33/92 F21S6/003 H01R13/6675 F21V23/005 F21V21/092 G09F13/18 G09F2013/222 F21V15/01 F21V33/00 F21V33/0024 F21V33/0056 H01R13/6691 H01R13/713 H01R24/76 H01R25/006 H01R2103/00 F21V14/06 F21V33/004 H02J2007/0062 F21V13/02 H02J7/0045 H02J7/027 G06K9/00369 G06K9/00771 G01J5/0025 G08B13/2491 G03B21/006 G02B27/22 G03B35/24 F21V23/00 H05B33/08 F21S9/035 H02J7/00 H05B37/00 G02F1/1313 H04N5/2256 H04N5/247 F21S6/004 H02J7/0027 H02J7/02 F21Y2113/002 F21S10/002 F21V21/29 F21V29/00 Y10S362/806 F21V17/002 F21K9/23 F21Y2107/40 F21V3/023 G03B21/142 G03B21/2046 G03B23/00 F21Y2115/30 F21Y2103/37 H01R33/09 A61L9/03 A61L2209/12 F21V33/0004 F21S10/00 F21V9/00 F21V9/12 F21Y2105/00 F21Y2111/00 H05B33/0803 F21S10/06 F21V1/10 G09F9/33 G09F19/12 G03B21/001 G03B21/26 G03B23/10 F21Y2113/13 H02J7/022 F21Y2103/33 F21Y2113/10 H04N5/33 F21S4/28 F21V21/08 F21V21/22 F21V21/30 F21W2121/00 Y10S362/80 F21S9/022 F21V9/08 F21V23/0492 F21V23/06 H04N7/183 F21S10/02 G09F23/04 F21V11/08 F21V23/003 H04N9/315 G01S3/7864 A41G1/005 F21S8/035 G02B6/0008 G02B6/001 F21V23/0471 F21V23/02 F21Y2103/10 F21Y2103/00 H04N5/23206 G04B47/02 F21V33/0052 G06T2207/30232 H04N5/2252 H04N5/332 H04N5/2354 H04N5/23241 H04N5/76 F21K9/13 F21S9/02 F21Y2101/02 G06T7/70 G06T7/004 F21V3/02 F21V17/02 F21K9/235 F21V19/006 G03B21/2053 G03B21/2033 G03B21/206 G03B21/145 G03B21/208 F21K9/60 F21V5/04 F21W2131/30 F21V21/14 F21V23/04 G04B19/30 B60Q3/78 F21W2131/109 F21Y2101/00 H04N5/2257 G03B29/00

F21V14/00 F21V5/00 F21V7/00 F21V11/00 H02J7/0047 H02J2007/0059 F21V29/502 F21K9/65 H04N7/181 F21S6/002 F21S10/023 F21S10/063 F21V23/0442 F21Y2115/10 F21K9/232 F21K9/238 F21V14/02 F21V23/006 H02J7/0052

European class: A41D27/08B A41G1/00B8 A42B1/24B A43B1/00C10 A43B3/00E A43B3/00E10 A43D999/00 A45C15/06 A61L9/03 B60Q1/26 B60Q3/02Q B60R11/00 B60R13/00 F21K9/00 F21K9/135 F21S10/00 F21S10/00A F21S2/00 F21S4/00E F21S4/00L F21S4/00L6 F21S8/03G1 F21S8/03T F21S9/02 F21S9/02E F21V14/02 F21V21/08 F21V21/14 F21V23/04 F21V29/00 F21V33/00A F21V9/00 F21V9/08 F21V9/12 G02B27/22 G02B6/00L4E G02B6/00L4L G02B6/00L6O4S G03B21/00 G03B21/20 G03B35/24 G09F13/22 G09F19/12 G09F23/00 G09F9/33 H01R13/66D10 H01R25/00D H01R33/06 H01R33/09 H02G3/14 H04M1/05 H04M1/60T2B H05B33/08D K61L209/120 L60R11/00R4A15 L60R13/02R R21S10/06 R21S2/00A R21S8/03G1 R21V1/10 R21V21/22 R21V21/29 R21V21/30 R21V23/04S R21V23/04S8 R21V33/00B R21V9/08 R21W121/00 R21W131/109 R21Y101/02 R21Y103/00 R21Y103/025 R21Y105/00 R21Y111/00 S02B6/00L6I4S4 T01H9/18E T01R103/00 T01R13/66D10 T01R13/713 T01R24/76 Y02B10/30

US class: 1/1 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287 315/314 315/317 315/32 315/86 340/472 345/77 348/142 348/143 348/151 348/159 348/169 348/207.1 348/372 348/373 348/744 348/E5.024 348/E5.026 348/E5.043 348/E5.09 348/E7.085 348/E9.025 349/5 349/62 352/133 353/10 353/101 353/103 353/119 353/122 353/43 353/7 353/85 353/87 353/95 359/15 359/32 362/101 362/103 362/104 362/108 362/109 362/135 362/145 362/149 362/157 362/158 362/183 362/184 362/190 362/20 362/219 362/221 362/225 362/23 362/23.01 362/23.19 362/231 362/233 362/234 362/235 362/238 362/241 362/249 362/249.01 362/249.02 362/249.03 362/249.06 362/249.07 362/249.09 362/249.11 362/249.12 362/250 362/251 362/253 362/257 362/259 362/267 362/269 362/276 362/277 362/280 362/281 362/285 362/294 362/295 362/296.01 362/298 362/3 362/311 362/311.01 362/311.02 362/311.03 362/311.13 362/338 362/34 362/35 362/362 362/369 362/372 362/375 362/382 362/390 362/394 362/397 362/404 362/421 362/427 362/457 362/487 362/555 362/562 362/565 362/603 362/640 362/641 362/642 362/643 362/644 362/645 362/646 362/647 362/648 362/659 362/8 362/800 362/806 362/84 362/85 362/86 362/87 362/88 362/92 362/95 362/96 362/97.1 363/178 368/10 368/223 368/227 368/242 368/278 368/67 368/80 368/82 368/84 396/155 439/11 439/131 439/165 439/31 439/490 439/502 439/536 439/6 439/638 439/8 713/300

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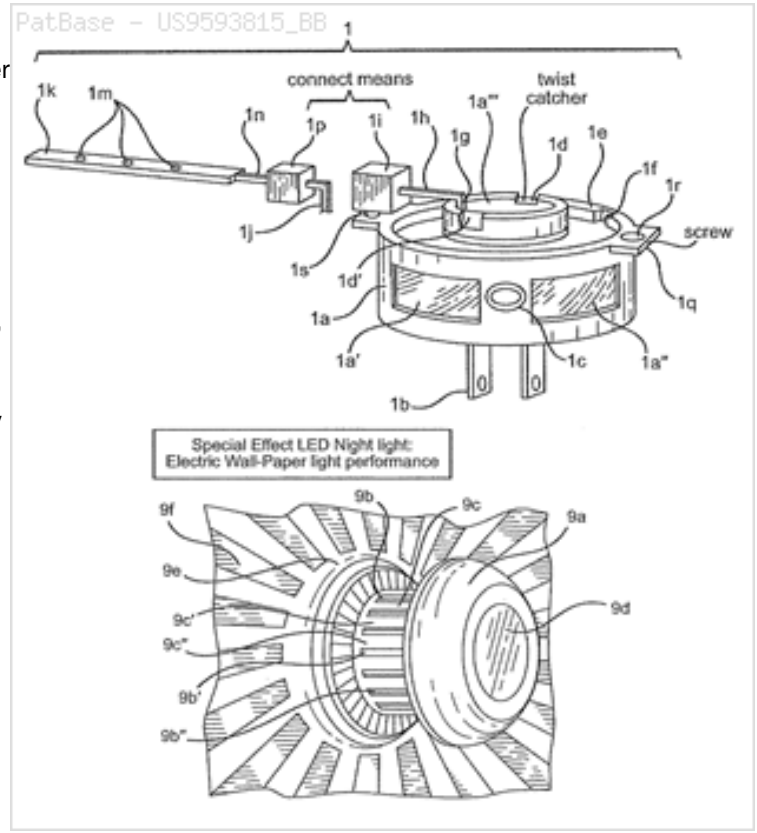
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Abstract:
Source: US2003231485A A tubular Electro−Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper invertor system. The said panel(s) with much narrow width 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.



0) US2015042064A – VEHICLE

22) Family number: 58464885 (US2015042064A) © PatBase

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 (IPC 8–9): B62J15/00 B62J23/00 B62J9/00 B62K11/04 (Advanced/Invention)

CPC: B62J15/00 B62K11/04

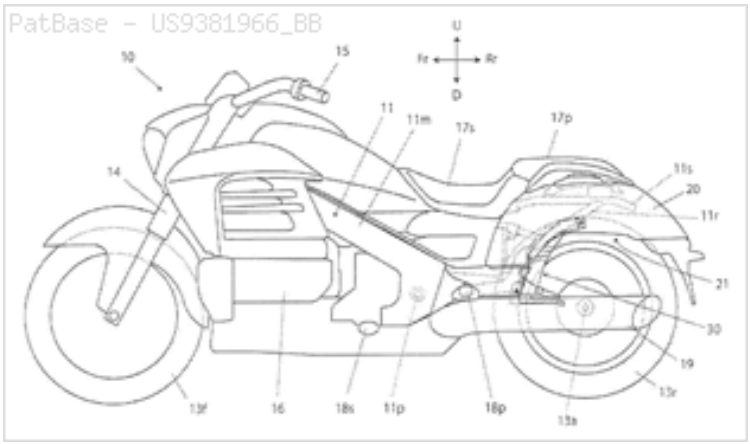
US class: 1/1 280/281.1 280/283 280/851

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.



0) WO07046265A1 – SMALL–SIZED VEHICLE PETIT VEHICULE

23) Family number: 34404244 (WO07046265A1) © PatBase

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
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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

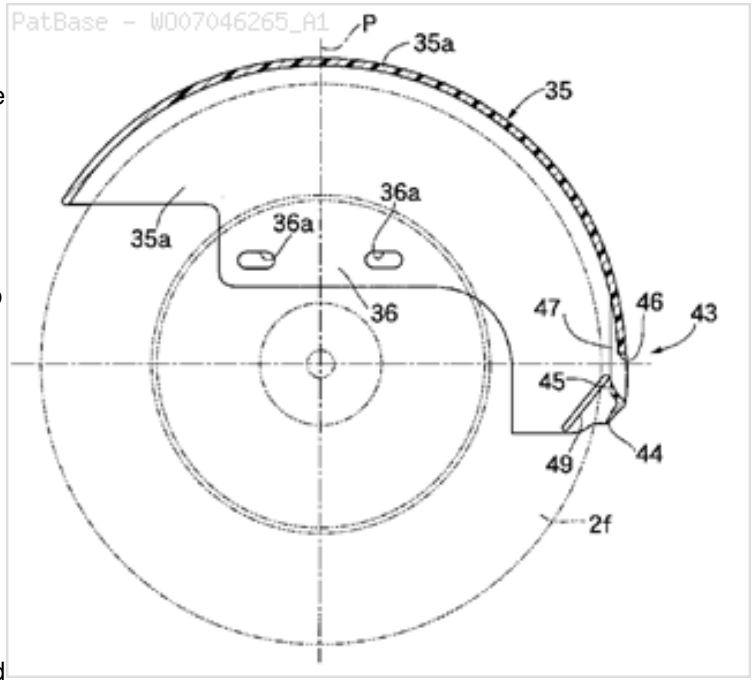
European class: B60G7/00 B60G9/00 B62D25/18B B62J15/00 B62K5/007 L60G200/142 L60G200/314 L60G200/422 L60G200/440 L60G204/143 L60G204/1482 L60G206/124 L60G300/13 L60G300/24 L60G300/26 L60G300/50

Classification Explorer

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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.



0) US6547027B – ALL TERRAIN VEHICLE

24) Family number: 28467923 (US6547027B) © PatBase

Title: ALL TERRAIN VEHICLE

Priority: US20000574234 20000519

Family:

Publication number	Publication date	Application number	Application date
US6547027 BA	20030415	US20000574234	20000519

Probable Assignee: BOMBARDIER RECREATIONAL PRODUCTS INC

Assignee(s):(std)**:** BOMBARDIER INC

Assignee(s): BOMBARDIER RECREATIONAL PRODUCTS INC

Inventor(s):(std)**:** KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE

International class (IPC 8–9)**:** B62J1/12 B62K5/00 (Advanced/Invention); B62K5/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B62D21/00

CPC: B62K5/01 B62J1/12 B62K2005/001

European class: B62J1/12 B62K5/01 L62K5/00B

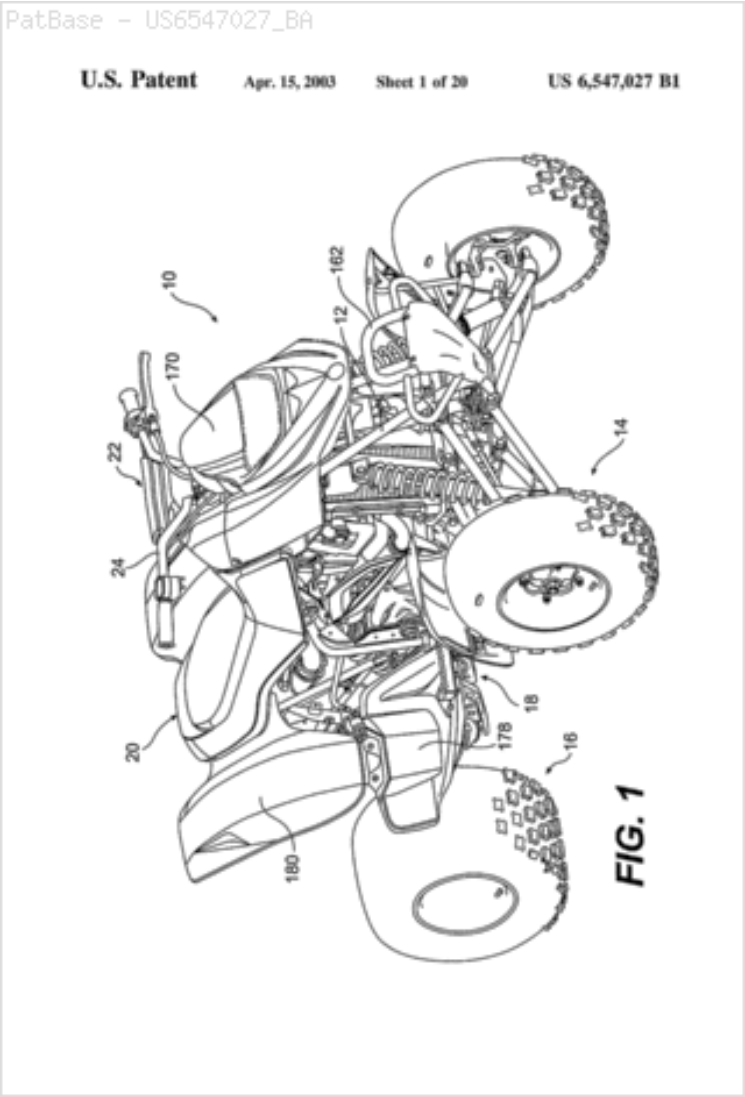
US class: 180/210 180/215 180/312 280/156 280/157 297/195.1

Classification Explorer

Cited documents: US6109621 A, US5353734 A, US5074573 A, US4836324 A, US4744432 A, US4457524 A, US4413700 A, US4325562 A, US1910635 A, JP60124581 A2,

Forward Citations: WO09008779, WO08143836, WO08143836, USD592116, US9266580, US9050869, US9045191, US9004214, US8973696, US8783720, US8622428, US8596398, US8430444, US8191930, US8191929, US8191677, US8091657, US8075007, US7954853, US7950736, US7942447, US7845452, US7806217, US7802816, US7757799, US7708105, US7669678, US7658411, US7644791, US7641207, US7624835, US7624829, US7618063, US7604562, US7591337, US7571787, US7537499, US7530419, US7461851, US7448664, US7367573, US7306069, US7231996, US7228930, US7168998, US7086691, US7055642, US7055642, US6964314, US6702058, US2013015634, US2012241237, US2012186895, US2011198831, US2011198830, US2011012334, US2010194088, US2010108428, US2009294199, US2009255747, US2009200766, US2009071738, US2008284124, US2008283327, US2008283326, US2008236923, US2008203795, US2008115991, US2007257516, US2007257479, US2007176384, US2007169975, US2007075517, US2007075514, US2007066438, US2006197331, US2006192375, US2006186699, US2006131827, US2006090950, US2006048987, US2005253353, US2005217912, US2005205315, US2005178603, US2005140178, US2004195035, US2004188156, US2004035624, US2003001377, EP1541465, EP1516809, CN102126522, CN102126521, AU2005205848,

Abstract:
Source: US6547027B An all terrain vehicle, also known as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



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

25) 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 (IPC 8–9): B60L11/18 B62J11/00 B62J17/00 B62J6/02 B62J9/00 B62J99/00 B62M7/06
H01M (Advanced/Invention);
B62J11/00 (Core/Invention)

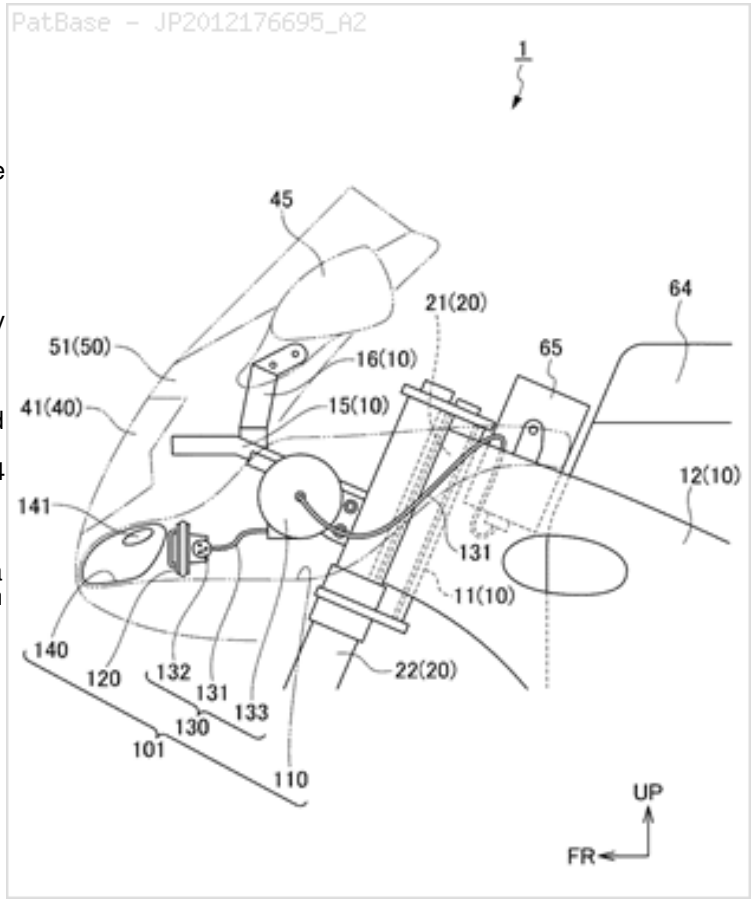
CPC: Y02T10/7005 Y02T90/121

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.



0) JP2015143088A – SADDLE–RIDING TYPE VEHICLE INCLUDING REAR GRIP

26) Family number: 60163001 (JP2015143088A) © PatBase

Title: SADDLE–RIDING TYPE VEHICLE INCLUDING REAR GRIP

Priority: JP20130269985 20131226 JP20140216297 20141023

Family:

Publication number	Publication date	Application number	Application date
BR102014032543 A2	20150915	BR20141032543	20141223
JP2015143088 A2	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

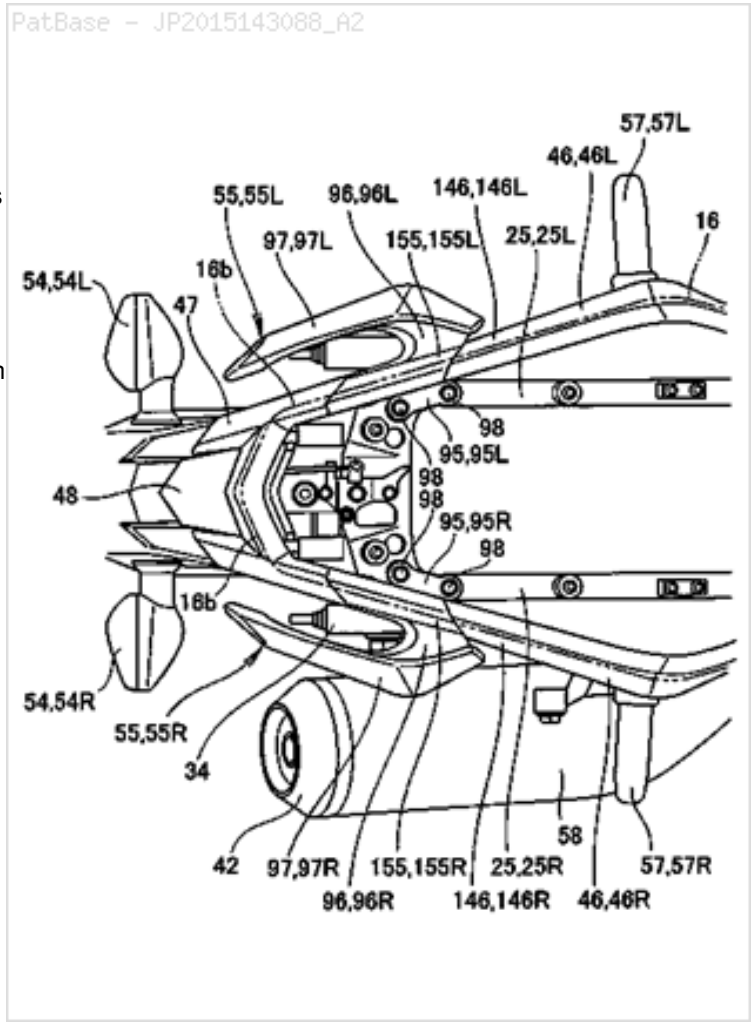
Agent(s): SUMIYOSHI KATSUHIKO

International class (IPC 8–9): B62J1/28 B62J15/00 B62J23/00 B62J99/00 (Advanced/Invention)

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.



0) JP2013035311A – STRADDLE–TYPE VEHICLE

27) Family number: 53417352 (JP2013035311A) © PatBase

Title: STRADDLE–TYPE VEHICLE

Priority: JP20110170474 20110803

Family:

Publication number	Publication date	Application number	Application date
IN03098CH2012 A	20160415	IN2012CH03098	20120730
JP2013035311 A2	20130221	JP20110170474	20110803
JP5751979 B2	20150722	JP20110170474	20110803

Probable Assignee: HONDA MOTOR CO LTD

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

Inventor(s):(std)**:** KAWAIDA SORA ; SAKAMOTO KAZUHIRO ; SUZUKI SHINYA ; YAMAMOTO KANTA

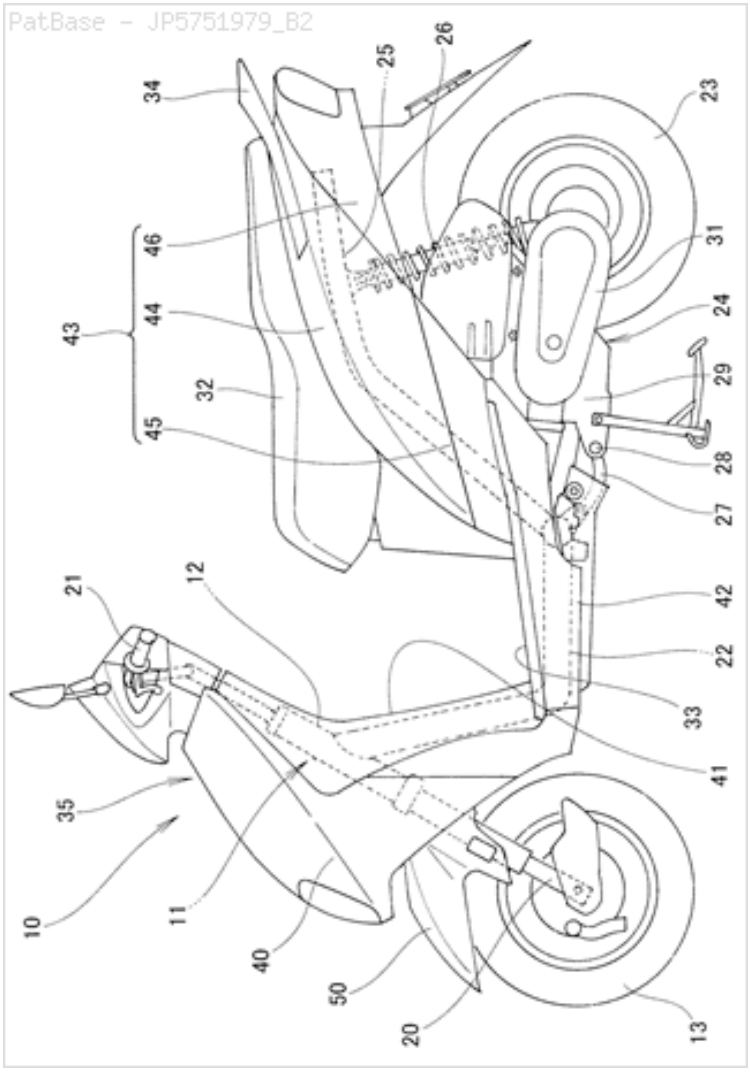
Agent(s): SUMIYOSHI KATSUHIKO

International class (IPC 8–9): B62J B62J15/00 B62J23/00 B62J99/00 (Advanced/Invention)

Classification Explorer

Cited documents: JP6258274 U, JP62058274 U1, JP62058274 U, JP62058274 U, JP6159192 U, JP61059192 U1, JP61059192 U, JP61059192 U, JP5622425 U, JP56022425 U1, JP56022425 U, JP56022425 U, JP4066380 A2, JP201013065, JP2010013065 A2, JP2010013065, JP200319993, JP2003019993 A2, JP2003019993, JP200171963, JP2001071963 A2, JP2001071963, JP1165794 U1, JP0466380, JP04066380, JP01165794 U,

Abstract:
Source: JP2013035311A PROBLEM TO BE SOLVED: To provide a straddle−type vehicle capable of reducing entanglement of travel wind into the inside in a vehicle width direction.SOLUTION: At (a), a cushion part 76L of a front fork 20 is provided with a fender 50 and includes an air guide plate 60L which guides travel wind to the left side of a side surface cover part 117L. The air guide plate 60L is arranged from the front fork 20 to the outside, to the left, in vehicle width direction in separated manner, and an air guide passage 80L which causes the travel wind to flow is formed between the cushion part 76L and the air guide plate 60L. On the surface on the outside, to the left, in the vehicle width direction of the air guide plate 60L, there is provided a slope 99L that spreads to the backside of a vehicle. A swirl is easy to occur because the inside in vehicle width direction becomes a negative pressure area, at the back of the vehicle of the air guide plate 60L, however, travel wind is caused to flow as indicated by an arrow (6) to the inside in the vehicle width direction of the air guide plate 60L, thereby discouraging the negative pressure area to occur and resulting in reduced entanglement at the back of the vehicle of the front fork 20. Thus, entanglement of the travel wind into the inside in vehicle width direction is reduced.



0) CA2308987A – ALL TERRAIN VEHICLE VEHICULE TOUT TERRAIN

28) Family number: 28071554 (CA2308987A) © PatBase

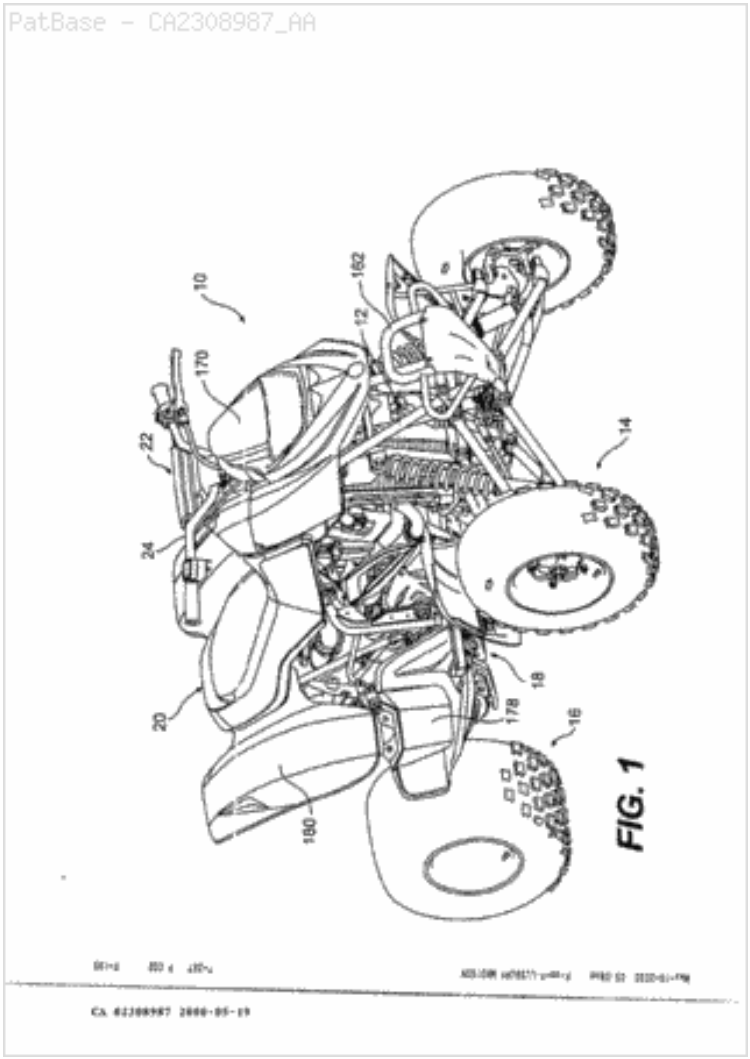
Title:	ALL TERRAIN VEHICLE
Priority:	CA20002308987 20000519

Family:

Publication number	Publication date	Application number	Application date
CA2308987 AA	20011119	CA20002308987	20000519

Probable Assignee:	BOMBARDIER INC
Assignee(s):(std)**:**	BOMBARDIER INC
Assignee(s):	BOMBARDIER RECREATIONAL PRODUCTS INC ; KALHOK DAVID ; PORTELANCE MARTIN ; RONDEAU PIERRE
Inventor(s):(std)**:**	RONDEAU PIERRE ; PORTELANCE MARTIN ; KALHOK DAVID
International class (IPC 8–9)**:**	B60N2/24 B62D25/18 B62D63/02 B62J1/12 B62J15/00 B62K5/00 (Advanced/Invention); B60N2/24 B62J1/00 B62J15/00 B62K5/00 (Core/Invention)
International class (IPC 1–7)**:**	B60N2/24 B62D25/18 B62D63/02
CPC:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
European class:	B60N2/24 B62J1/12 B62J15/00 B62K5/01
Classification Explorer	
Forward Citations:	US8007005, AU2008200563,

Abstract:
Source: CA2308987A An all terrain vehicle, also know. as an ATV, has a seat designed to comfortably accommodate a rider over a wide variety of rugged terrain. The seat is profiled so that the rider may easily shift body weight and lean with the vehicle while traversing steep and uneven terrain. The seat has a dip and taper positioned beneath a riders' knee and lower thigh to provide the profile. The ATV is also provided with front fenders and mud flaps to protect the rider from debris. The fenders rotate with the wheel to provide the rider with maximum wheel visibility and access. The fenders can also be releasable, thereby rotating around the axis of rotation of the front wheels to break free from obstacles and provide easy access to the wheels beneath the fender. The ATV provides exceptional rider comfort and control.



0) US6502863B – FENDER STRUCTURE

29) Family number: 15549621 (US6502863B)

© PatBase

Title: Fender structure

Priority: JP19990250975 19990903

Family:

Publication number	Publication date	Application number	Application date
JP2001071962 A2	20010321	JP19990250975	19990903
US6502863 BA	20030107	US20000654259	20000901

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)**:** KARUBE SHINICHI ; TAKAHASHI SHINJI ; TAKESHIMA MASAO

International class (IPC 8–9): B62J15/00 B62J25/00 B62K5/00 (Advanced/Invention); B62J15/00 B62J25/00 B62K5/00 (Core/Invention)

International class (IPC 1–7): B62B9/99 B62J15/00

CPC: B62J15/00 B62K5/01

European class: B62J15/00 B62K5/01

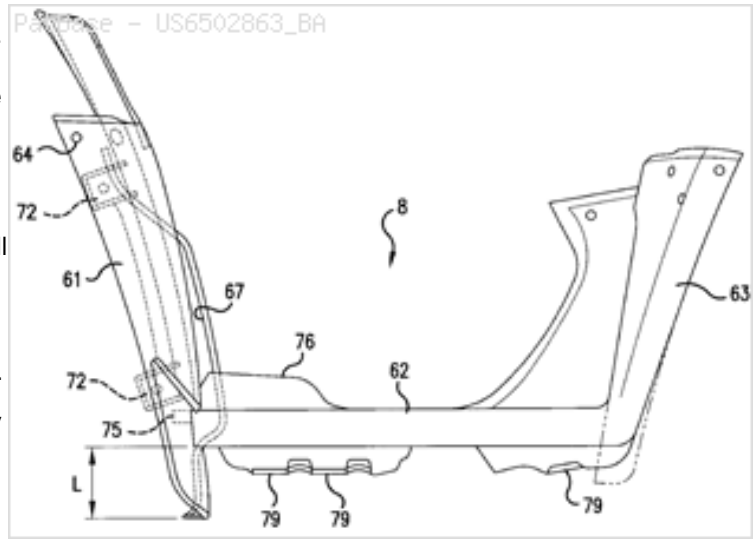
US class: 280/163 280/291 280/847

Classification Explorer

Cited documents: USD389440 S1, US6270106 BA, US6116630 A, US6113121 A, US6016943 A, US5893424 A, US5794976 A, US5722690 A, US5107952 A, US5062675 A, US4451057 A, JP1111371, JP11011371 A2,

Forward Citations: USD601464, USD600165, US8844999, US8419104, US8226120, US8109556, US7802806, US7757799, US7597387, US7594671, US7591503, US7537271, US7537227, US7530629, US7527323, US7527322, US7523981, US7510236, US7097188, US6682085, US2016152187, US2012025558, US2010163329, US2009001762, US2008217088, US2008115991, US2008030040, US2008029990, US2004201197, US2003025289, JP2011148436, JP2008068818, JP2006256569, EP1564123,

Abstract:
Source: US6502863B To provide a sub fender through which it is difficult for mud or snow to invade. A sub fender for connecting respective lower end portions of a front fender and a rear fender is constituted by a front wall portion attached to the front fender, a rear wall portion attached to the rear fender and a bottom wall portion for connecting lower end portions thereof substantially horizontally. The front wall portion is formed separately from the bottom wall portion and a lower end portion thereof constitutes a downward extended portion extended in a downward direction by a dimension L relative to the bottom wall portion. A slit is provided on the extended portion. Furthermore, an engaging protrusion integrally protruded from a front end of the bottom wall portion in a front direction is provided. The engaging protrusion is engaged with an engaging hole provided at the downward extended portion to thereby position the parts in assembling operation.



0) USRE20857E – FENDER ACCESSORY

30) Family number: 29469946 (USRE20857E) © PatBase

Title: FENDER ACCESSORY

Priority: US19330703562 19331222

Family:

Publication number	Publication date	Application number	Application date
US2048862 A	19360728	US19330703562	19331222
USRE20857 E	19380913		00000000

Probable Assignee: JULES HALTENBERGER

Assignee(s):(std)**:** JULES HALTENBERGER

Inventor(s):(std)**:** JULES HALTENBERGER

Inventor(s): HALTENBERGER JULES

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

International class (IPC 1–7)**:** B62D25/18

CPC: Y10S292/01 B62D25/184 Y10T292/0839 Y10T292/0902 Y10T292/221

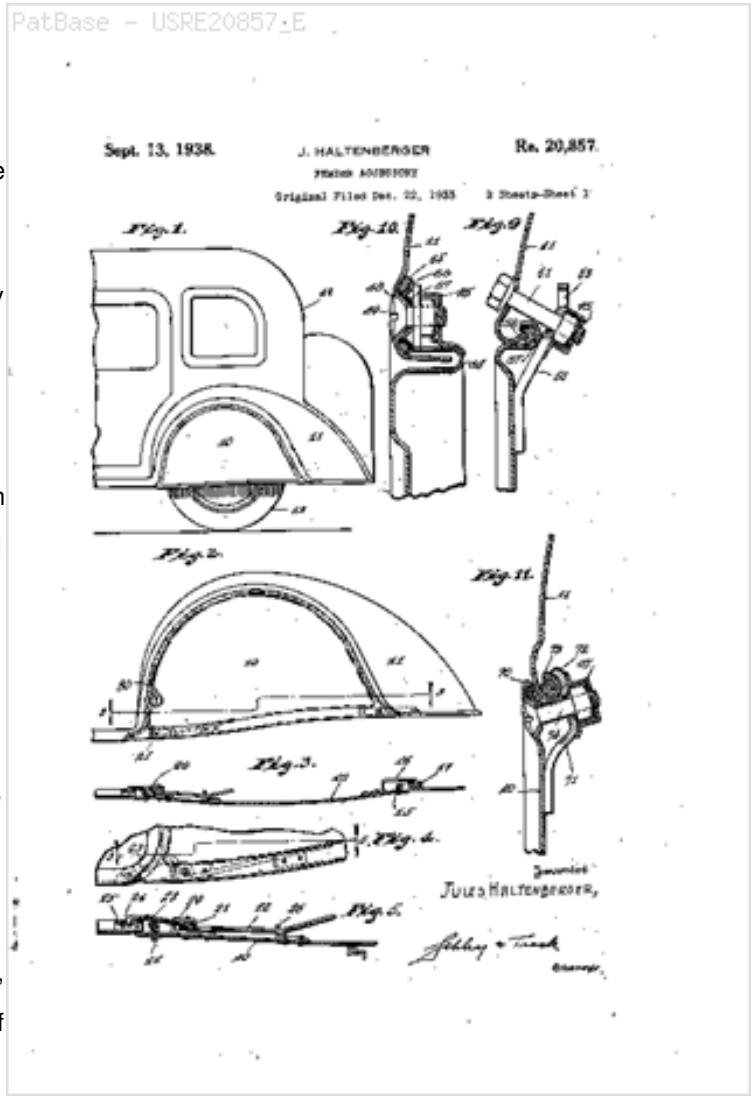
European class: B62D25/18B2

US class: 280/848 280/849 292/256.73 292/36 292/87 292/DIG.1

Classification Explorer

Forward Citations: US2966367, US2866653, US2811373, US2691545, US2621944, US2611628, US2609218, US2606773, US2572774, US2569496, US2567971, US2560601, US2520965, US2460349, DE751207,

Abstract:
Source: USRE20857E 1. . this arrangement which has lust beendescr|bed,maybeused1nusoclatlonwlth atlxed|rmsucha.sthatshownlnll'lgs.2to5 or may be used in the association shown In Hg. B. In any securing means which Includes I. rotatable crank. locking may be el!ected by assoclating the key−operated lock with the crank. As ls shown in Figs. 3 and 5, the fender edge whlch dennes the wheel−exposing opening ls rolled into an upwardly opening bead. This bead may be utilized and the necessity for lendersupported keepers avoided by the arrangement shown In Mg. 7. Here, the shield ll is provided on its back with two brackets KU through which pus the threaded ends of a U−shaped rod ll. The horizontal portion of this U−shaped rod is offset from the plane of the two vertical portions and ls curved to mate with the fender bead. The threaded ends of the rods pass through springs GI and are provided beyond such springs with wing nuts BI. In operation, this form of shield ll is inserted upwardly into the whee1−exposing opening until the channel edge ls brought into embracing engagement with the lenderbead, the generally horizontal portion of the rod ll is then brought into engagement with the lnslde of such bead, and the wing nuts 53 tightened. In Mg. B I have shown a modidcaltion of the spring lever of Figs. 2 to 5, in which the handle 22 ls bent downwardly and outwardly beneath the lower edge of the shield so as to be accesdble from the front or the shield. Instead of the arm holder 26. I provide a, depression 55 in the face of the shield and bend the end of the arm 22 inward to form a ringer 56 which ls adapted to be received in the depression 55, to hold the arm 22 ln locked position. ' In Figs. 9 to ll inclusive, I have shown three methods of seeming the shield IO ln place by clamping its edges to the tender edges. In Flg. 9 the shield−edge is provided with a channel 5| which opens outwardly and lorwardly to receive the fender−edge 58. On the back of the shield at spaced points along its edge are brackets ill through which may be passed bolts GI. These bolts 6| pass through holes in the fender ll, and are desirably Inclined so that upon tightening they exert both forward and upward force−components. Since the shield may be applied as an accessory, I may also provide in the ends of the brackets BU a second hole 63 so that the shield may be used as a. template for locating the holes ln the fender ll. In the modlflcatlon illustrated ln Fig. 10, the fender−bead is ln the form of an inwardly extending flange, and the shield near its edge ls rolled to form a forwardly opening groove 5| for receiving such fender−bead flange. The cooperation of these parts facilitates insertion of the shield in that the shield may be rested on the flange temporarily while the bolts are inserted. Outwardly beyond the groove, the shield is provided with extensions by which lt may be bolted to the fender, and these extensions may be in the form of a continuous flange il substantially coplanar with the body ot the shield. At spaced points along this hangs, lt is provided with bolt holes which are surrounded by conical seats 61; and the fender has mating conical protruslons 68 which also serve as countersunk seats for the bolt heads 89. The mating conical seats 51 and protrusions il resist all relative movement in the plane ot the shield, so thatthe bolts need only lot in tension to_hold the two putstogether. The joint ma! sealed, and noise eliminated. bylnsertlngbetweenthefenderwallondthe Hange ll of the shield a sealing cushion ll. To avold the necessity of drilling holes in the fender, I may use the arrangement shown In Mg. 11. Here again. the shield ls provlded wlth means for embracing the fender−edges on opposite sides. In this arrangement, this embrace is elected between a Range 'III at the edge of the shield III and a part 1| which may be either an annular band extending all along the curved edges of the shield ID, or _may be a series of brackets. In either case. the part 1| may be secured at its inward portion to the shield ll and is provided _at its outer portion with a seat 12. Below such seat 12 and below the flange 1| of the shield ll there ls a spaced series of bolts 1| which may be tightened to draw the seat 'll toward the llange 10. Desirably, ln this arrangement. there ls interposed between the fender edge and the seat 11 and flange 10 a soft cushion 18 to compensate for variations in the parts and to ellmlnate noises. » It is noted that ln the modlflcations of Flgs. 9 to ll inclusive the nuts for bolts are held ln cages 'll mounted on shield−supported parts and which permit slight lateral movement ol' the nuts so that they are self−allnlng, but prevent turning of the nuts so that lt is unnecessaryln mounting the shield to reach up behind it and hold. such nuts from tumlng. It is to be noted that my tender shield braces and strengthens the fender. ln addltlongto its advantages ln aiding the usual functions of the render, and decreasing the wind resistance of the



automobile. The various modlflcatlons of shieldsecurlng means all have the advantage of securely holding the parts together without permitting looseness and noise, and yet all provide ready and simple removal and replacement of the shield. . Slnce the shleld prevents removal of the wheel or tire without previous removal of the shield itself, the key–locklnz of the shield in place effectively prevents surreptltlous removal ol' such wheels and tire as well as ol' the shield itself. The provision of edges on the shield which mate with the fender edges and press between themselves a sealing cushion which is continuous over substantla‘y the whole length of the joint effectively seals the fender and shield against the escape ol’ mud or water thrown up by the wheel: and this action is further accomplished by the fastening modifications of Figs. 2 to' 5 and 8. which avoid the necessity for any openings through either the shield or fender. – It will be understood that the insert or closures l’0l` Wh0€l–€XP0Si\'l8 openings may be used to cover the Wheels of an automotive vehicle regardless of whether such vehicle has fenders of the present conventlonal shape. Thus, for instance, as ln some busses, the body itself may extend over the wheels to form the fender, and the wheelexposlng opening will then be ln the outer wall of such body. Accordingly, where I specify wheel–fenders in the appended claims, I mean to include any upper structure which acts as a wheel–fender, whether ln the conventional fender form or ln some other form, as where the body forms the fender. The term “accessory” ls intended to refer to a fender snleld which may form part of the "standard equipment" of a vehicle or which may be supplied as extra equipment. Iclohnosmyinvsntlmnz Ldnocomorylorowheel–tenderhovlngo dependlngoutarwolllnwhlmtherelsodownUII§1I_lD'_d–__||OD¢ll|ll|,'0llmD!'||–lngoshleld1orcloolm'coldopcnlng,operlpherolwollonooldshleldodoptedtoovsrlop the opening–dellnlng Cdl! ol mid fender–woll, meonsotoplurolltyolpolntlolonglhoperlpheryol|oldshleld!or\mde'rlom1lngsoldopenlngdeilnlng edge to conllne sold peripheral wall theltnlilhivwherehyuldshltldllodnpledto belnsertedbynpwordmovenrentthsseoflnthe ploneofmldedlmondmansforsecurlngsold ohleld ognlnot relative vertical movement with rssneeuonmrsnser.

0) US4011919A – TIREROLLER

31) Family number: 60951715 (US4011919A) © PatBase

Title: Tireroller

Priority: US19730343732 19730419 US19740444007 19740220 US19750616574 19750925 US19770797955 19770518

Family:

Publication number	Publication date	Application number	Application date
AR205885 A1	19760615	AR19740253323	19740101
AT233274 A	19770915	AT19740002332	19740321
AT343486 B	19780526	AT19740002332	19740321
AU197468021 A1	19751023	AU19740068021	19740418
BR7403119 A0	19741203	BR19740003119	19740418
CA1015606 A1	19770816	CA19740197845	19740419
DE2418532 A1	19741024	DE19742418532	19740417
DE2418532 B2	19780824	DE19742418532	19740417
DE2418532 C3	19790426	DE19742418532	19740417
ES425441 A1	19760601	ES19740425441	19740418
FR2257446 A1	19750808	FR19740013598	19740418
FR2257446 B1	19770624	FR19740013598	19740418
GB1472471 A	19770504	GB19740017394	19740419
IT1004262 A	19760710	IT19740050496	19740419
JP50012783 A2	19750210	JP19740044386	19740419
US4011919 A	19770315	US19750616574	19750925
US4165846 A	19790828	US19770797955	19770518
ZA7402472 A	19751126	ZA19740002472	19740418

Probable Assignee: GROEGER THEODOR

Assignee(s):(std)**:** GROEGER T O ; GROEGER THEODOR ; GROEGER THEODOR OSKAR DR ; THEODOR OSKAR GROEGER DR ; GROEGER THEODOR O ; GROEGER THEODORE OSKAR ; GROEGER THEODORE O

Assignee(s): THEODOR OSKAR GROEGER ; GROEGER THEODOR US ; GROEGER TO ; DR THEODOR OSKAR GROEGER ; GROEGER T

Inventor(s):(std)**:** GROEGER T ; GROEGER THEODOR O ; GROEGER THEODOR OSKAR DR ; GROEGER THEODORE O ; GROEGER THEODORE OSKAR

Inventor(s): THEODOR OSKAR GEORGER ; THEODORE OSKAR GROEGER

International class (IPC 8–9)**:** B60B19/00 B60B3/00 B60C3/00 B60F3/00 B60K1/00 B62D55/02 B64C37/00 H02K7/14 (Advanced/Invention) ; B60B19/00 B60B3/00 B60C3/00 B60F3/00 B60K1/00 B62D55/00 B64C37/00 H02K7/14 (Core/Invention) ; B60C (Subclass/Invention)

International class (IPC 1–7)**:** B60B19/00 B60B3/00 B60C17/00 B60C17/04 B60C19/00 B60C3/00 B60C7/00 B60C7/08 B60C7/26 B60F3/00 B60H1/08 B60K1/00 B60K3/00 B60L11/02 B62D55/02 B62D61/00 B64C37/00 H02K7/14

CPC: B60B3/048 B60B19/00 B60B2310/226 B60B2310/302 B60B2310/56 B60B2310/612 B60B2360/102 B60B2360/104 B60B2360/32 B60B2360/50 B60B2380/12 B60F3/0084 B60L2200/26 B60K1/00 B60B19/06 B60B2310/305 B60B2360/34 B60B2360/90 B60Y2200/51 B64C37/00

European class: B60B19/00 B60B19/06 B60B3/04D B60F3/00D4 B60K1/00 B64C37/00 L60B310/226 L60B310/302 L60B310/305 L60B310/56 L60B310/612 L60B360/102 L60B360/104 L60B360/32 L60B360/34 L60B360/50 L60B360/90 L60B380/12 L60Y200/51

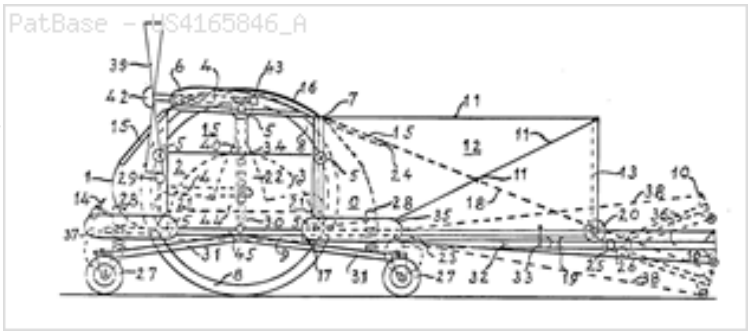
US class: 152/325 152/520 180/190 180/1R 180/313 180/65.51 180/7.1 180/7.3 244/2 244/36 280/847 305/120 305/6

Classification Explorer

Cited documents: US654742 A, US4017041 A, US4011919 A, US3741507 A, US3736974 A, US3498399 A, US3119441 A, US3029042 A, US2923494 A, US2811323 A, US2681773 A, US2564377 A, US2353820 A, US2118254 A, US2084116 A, US1927801 A, US1454738 A, US1452394 A, US1270421 A, JP16015881 Y1, FR776278 A,

Forward Citations: US9561698, US9505282, US9259984, US8651207, US8650811, US8500060, US8418968, US8382045, US8371520, US8267347, US8172017, US8123237, US7470217, US7461713, US6516848, US6382725, US5366034, US5071196, US4165846, US2012255797, US2012187269, US2010200689, US2009315286, US2009200093, US2006063647, US2004050151, RU2573665, FR2502070, EP0024554, CN101879848,

Abstract:
Source: US4011919A A vehicle comprising: a) a conventional body with at least 3 pairs of rolls mounted on horizontal axles, which are distributed over the periphery of opposite sides of the body and connected thereto; b) a pair of annular, elastically deformable running tires, each of which encircles all of the rolls at one body's side and suspends them above the ground; c) at least one steerable or revolving wheel, ski and/or float resiliently mounted at another side of the body and d) at least one motor operatively connected to the rolls, tires and/or wheel for driving and braking them.



0) EP2017170A1 – STRADDLE–TYPE VEHICLE SPREITZSITZ–FAHRZEUG VEHI...

32) Family number: 42826827 (EP2017170A1) © PatBase

Title: Straddle–type vehicle

Priority: JP20070188874 20070719

Family:

Publication number	Publication date	Application number	Application date
AT465935 E	20100515	AT20080252432T	20080717
BRPI0803427 A2	20090407	BR2008PI03427	20080721
CN101348142 A	20090121	CN200810130800	20080721
CN101348142 B	20110608	CN200810130800	20080721
DE602008001085 D1	20100610	DE200860001085T	20080717
EP2017170 A1	20090121	EP20080252432	20080717
EP2017170 B1	20100428	EP20080252432	20080717
JP2009023515 A2	20090205	JP20070188874	20070719
TH30759 B	20110920	TH20081002640	20080527
TH97150 A	20090724	TH20081002640	20080527
VN8090 A1	20100125	VN20080001290	20080528

Probable Assignee: YAMAHA HATSUDOKI KABUSHIKI KAISHA

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

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

Inventor(s):(std)**:** GEN OHZONO ; OHZONO GEN ; OSONO HAJIME

Inventor(s): OHZONO GEN C O YAMAHA HATSUDOKI KABUSHIKI KAISHA

Agent(s): LAMB MARTIN JOHN CARSTAIRS; LTD

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): B62H5/00 B62J15/00 B62J15/04 B62J23/00 B62J6/18 B62J9/00 (Advanced/Invention); B62H5/00 B62J15/00 B62J23/00 B62J6/00 B62J9/00 (Core/Invention)

International class (IPC 1–7): B62J15/00 B62J15/04

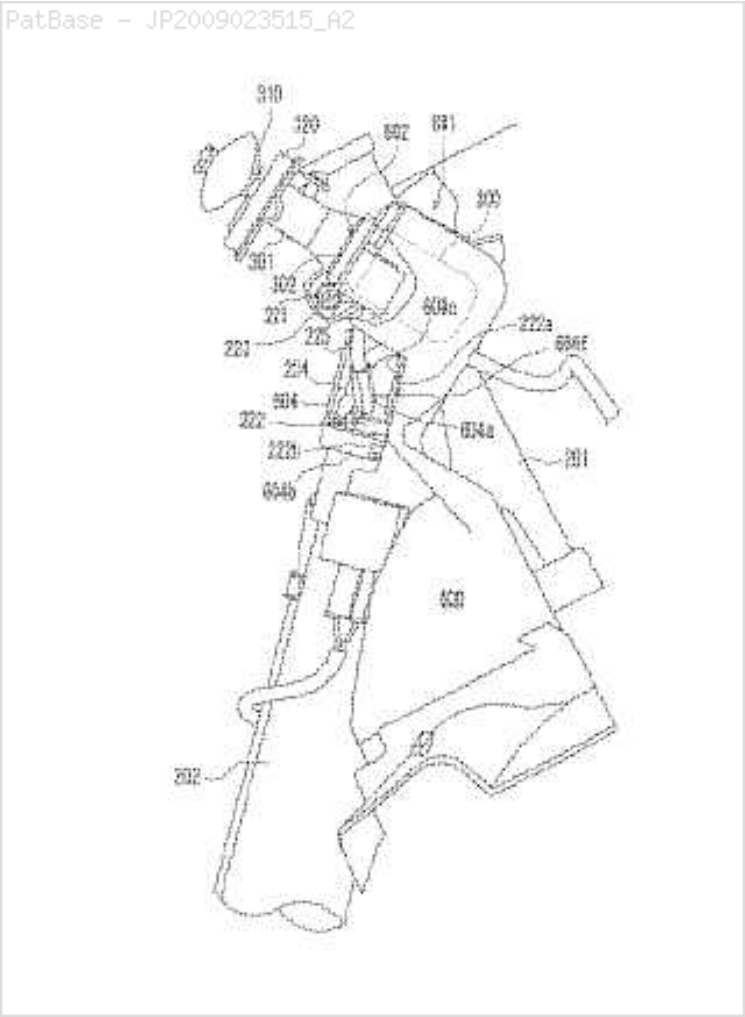
CPC: B62J15/00 B62J23/00 B62K2202/00

European class: B62J15/00 B62J23/00 L62K202/00

Classification Explorer

Cited documents: JP8058657 A2, JP11059528 A2, FR2709465 A1, EP1422133 A2,

Abstract:
Source: EP2017170A1 A mudguard (600) of a straddle type vehicle (1000) is attached to an opening (402b) at the top of an inner fender (402), and an upper section (601) of the mudguard (600) is attached to a key cylinder (300). Therefore, it is difficult for mud water to enter inside a body cover from the opening (402b) at the top of the inner fender (402). Furthermore, in this straddle−type vehicle (1000), the upper section (601) of the mudguard (600) is attached to the key cylinder (300). Therefore, it is possible for the mudguard (600) to more reliably protect components such as electrical cables around handlebars and the key cylinder from mud water.



0) US2007251744A – MOTORCYCLE

33) Family number: 40763099 (US2007251744A) © PatBase

Title: MOTORCYCLE

Priority: JP20060125796 20060428 JP20060333782 20061211 JP20070095127 20070330 JP20060333786 20061211 JP20070095128 20070330 JP20060333817 20061211 JP20070095129 20070330 JP20070095130 20070330

Family:

Publication number	Publication date	Application number	Application date
CN100575173 C	20091230	CN200710097729	20070428
CN101062699 A	20071031	CN200710097732	20070428
CN101062701 A	20071031	CN200710097729	20070428
CN101062704 A	20071031	CN200710097639	20070427
CN101062704 B	20110119	CN200710097639	20070427
CN101062705 A	20071031	CN200710097643	20070427
CN101062705 B	20110608	CN200710097643	20070427
CN101628600 A	20100120	CN200910164842	20070427
CN101628600 B	20120201	CN200910164842	20070427
JP2007314165 A2	20071206	JP20070095127	20070330
JP2008168887 A2	20080724	JP20070095128	20070330
JP2008168888 A2	20080724	JP20070095129	20070330
JP2008168889 A2	20080724	JP20070095130	20070330
TH45615 B	20150821	TH20071002096	20070427
TH48767 B	20160321	TH20071002094	20070427
TH95833 A	20090529	TH20071002093	20070427
TH95834 A	20090529	TH20071002094	20070427
TH95835 A	20090529	TH20071002095	20070427
TH95836 A	20090529	TH20071002096	20070427
TW200806523 A	20080201	TW20070112893	20070412
TWI331108 B	20101001	TW20070112893	20070412
US2007251744 AA	20071101	US20070741653	20070427
US7810600 BB	20101012	US20070741653	20070427
VN12639 A1	20140526	VN20070000772	20070411

Probable Assignee: YAMAHA HATSUDOKI KK

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

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

Inventor(s):(std)**:** HARUHITO TAKAHASHI ; MATSUZAWA TAKETOSHI ; MATSUZAWA TORAO ; TAKAHASHI HARUHITO ; TAKETOSHI MATSUZAWA ; TORAO MATSUZAWA

Agent(s): HOGAN AND HARTSON LLP; KEATING AND BENNETT LLP

International class (IPC 8–9): B60K11/00 B60Q1/34 B60Q1/44 B62J1/12 B62J1/28 B62J15/00 B62J23/00 B62J35/00 B62J39/00 B62J6/00 B62J6/04 B62J9/00 B62J99/00 B62K11/00 B62K25/20 B62M7/12 B62M9/06 E05B65/12 E05B83/00 E05B85/06 F02M35/16 F16H57/04 F21S8/10 (Advanced/Invention); F21W101/14 (Advanced/Non–invention); B60K11/00 B60Q1/34 B60Q1/44 B62J1/00 B62J1/12 B62J15/00 B62J23/00 B62J35/00 B62J39/00 B62J6/00 B62J9/00 B62J99/00 B62K11/00 B62K25/04 B62M7/00 B62M9/00 E05B65/12 F16H57/04 F21S8/10 (Core/Invention); B62J23/00 F02M35/16 (Core/Non–invention)

International class (IPC 1–7): B62J39/00 B62J9/00 B62K1/00 B62K11/00 F16H57/04

CPC: B62K2202/00 B62M7/12 F16H57/04

European class: B62M7/12 F16H57/04 L62K202/00

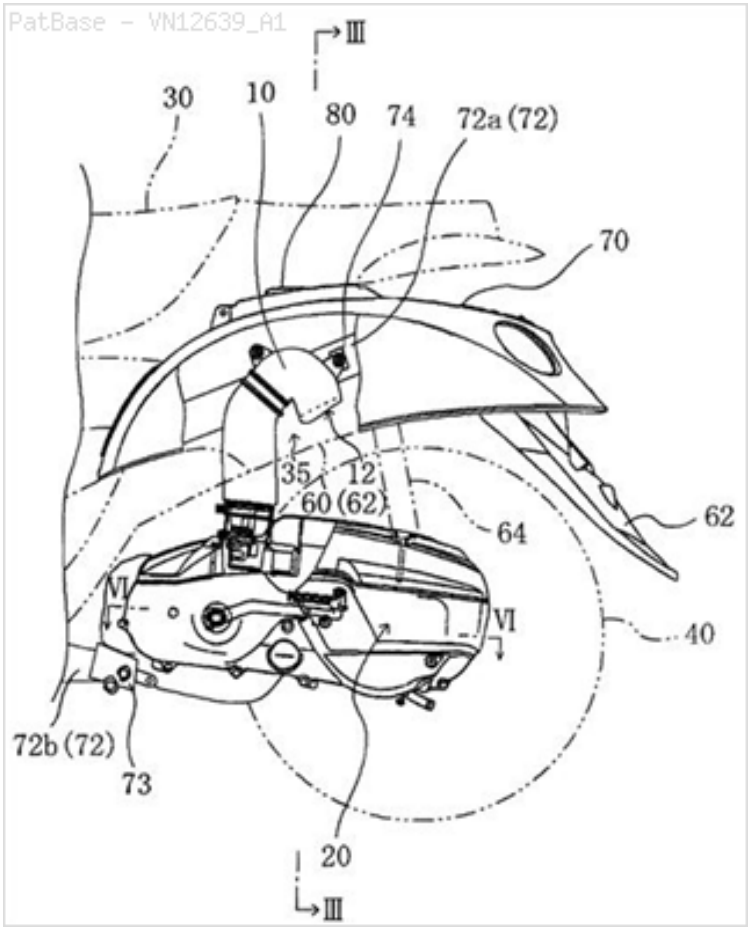
US class: 180/229 180/230 180/339 180/68.1 180/68.100 474/93

Classification Explorer

Cited documents: US6572089 BB, US6164673 A, US6073948 A, US5644202 A, US5478098 A, US5222572 A, US5101924 A, US5044646 A, US4733639 A, US4634108 A, US4632070 A, US4531928 A, US4531928 A, US4402379 A, US2006270503 AA, TW200304881, JP9328088 A2, JP63130429 A2, JP5330470 A2, JP2003054468 A2, JP2000229593 A2, JP2000079892 A2, JP10218062 A2,

Forward Citations: US2009309082, TWI405899, TWI397480, JP5789124, JP2012240520, JP2012179960, JP2011046328, EP2527179, EP2221243, CN102161359, CN102161359, CN101962051, CN101811550,

Abstract:
Source: US2007251744A A motorcycle has a duct that is simple in construction to introduce cooling air into a belt chamber while simultaneously preventing invasion of dust, etc. into the belt chamber. A rear fender defines a wall that separates the seat and a rear tire. An outside−air intake port of the duct is arranged in a space formed between the seat and the wall.



0) JP2012240520A – STRADDLE TYPE VEHICLE

34) Family number: 52426833 (JP2012240520A) © PatBase

Title: STRADDLE TYPE VEHICLE

Priority: JP20110111492 20110518

Family:

Publication number	Publication date	Application number	Application date
BR102012011687 A2	20141202	BR20121011687	20120516
CN102785728 A	20121121	CN201210151629	20120516
CN102785728 B	20140820	CN201210151629	20120516
IN01937CH2012 A	20131004	IN2012CH01937	20120515
JP2012240520 A2	20121210	JP20110111492	20110518
JP5789124 B2	20151007	JP20110111492	20110518
TH126402 A	20130819	TH20121002187	20120511
VN14750 A1	20151225	VN20120001124	20120424

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s):(std)**:** HONDA GIKEN KKK ; HONDA MOTOR CO LTD

Assignee(s): HONDA MOTOR CO

Inventor(s):(std)**:** IKEDA EIKI ; IKEDA HIDEKI ; ISHIGURI YOSHIYUKI ; IWAKURI KANOI ; KANOI IWAKURI ; EIKI IKEDA

Inventor(s): HIDEKI IKEDA ; YOSHIYUKI ISHIGURI

Agent(s): SUMIYOSHI KATSUHIKO

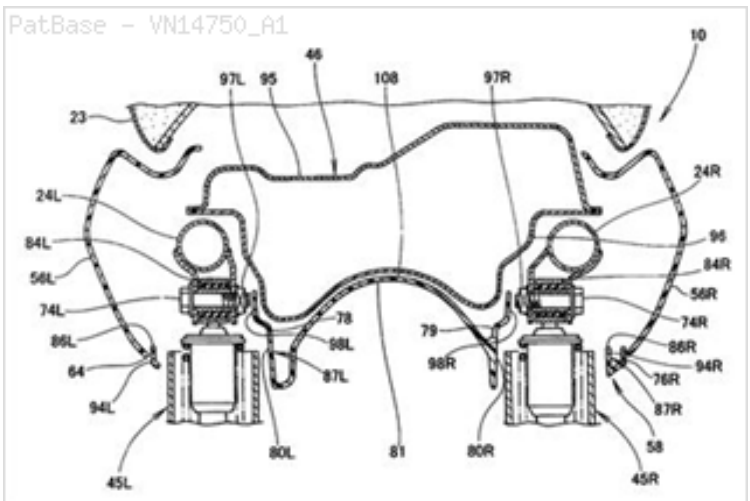
International class (IPC 8–9): B62J B62J15/00 B62J15/04 B62J17/00 B62J23/00 (Advanced/Invention); B62J15/00 (Core/Invention)

International class (IPC 1–7): B62J15/04 B62J17/00

Classification Explorer

Cited documents: JP3385423 B2, JP2010274850 A2, JP2010274850, JP2007314165 A2, JP2007314165, JP2007290641 A2, JP200340183, JP2003040183 A2, JP2003040183, CN200992259 Y, CN1229036 A, CN102161360 A, CN102161360, CN101229831 A,

Forward Citations: USD774960, USD744907, USD739792, USD732437,



Abstract:
Source: JP2012240520A PROBLEM TO BE SOLVED: To provide a straddle type vehicle capable of suppressing entry of dust or the like to a fender inner side and allowing free setting of the shape of a rear side cover.SOLUTION: A fender 58 includes openings 80L and R for making cushions 45L and R pass through, and covers 56L and R are disposed on a vehicle width direction out side from the openings 80L and R. Since the openings 80L and R are formed only at the fender 58, an opening dimension can be brought closer to an outer diameter of the cushions 45L and R after securing functionality of the cushions 45L and R. When the opening dimension is brought closer to the outer diameter of the cushions 45L and R, the clearance of the openings 80L and R and the cushions 45L and R is reduced, and the entry of the dust or the like into the fender 58 is suppressed. In addition, since the covers 56L and R are separated from the openings 80L and R, the shape of the covers 56L and R are freely set regardless of the openings 80L and R.

0) EP2889208B1 – MOTORRAD MOTORCYCLE MOTOCYCLETTE

35) Family number: 59626381 (EP2889208B1) © PatBase

Title: MOTORRAD MOTORCYCLE

Priority: EP20140198883 20141218 JP20130267463 20131225

Family:

Publication number	Publication date	Application number	Application date
DE602014002129 D1	20160707	DE201460002129T	20141218
EP2889208 A1	20150701	EP20140198883	20141218
EP2889208 B1	20160525	EP20140198883	20141218
IN01266KO2014 A	20160826	IN2014KO01266	20141204
JP2015123764 A2	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 RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE 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 (IPC 8–9): B62J13/02 B62J13/04 B62J15/00 B62J15/02 B62K25/20 B62K5/027 (Advanced/Invention)

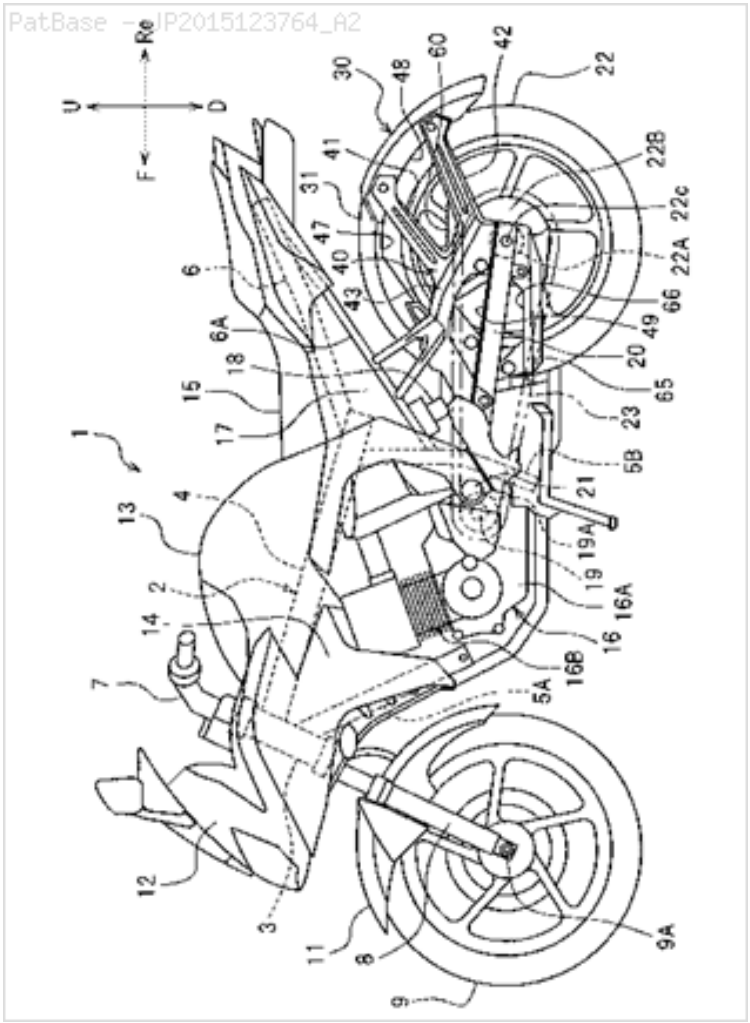
CPC: B62J15/00 B62J15/02 B62J13/02

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) US2010001571A – DRIVER'S SEAT OF WORK VEHICLE

36) Family number: 44210001 (US2010001571A) © PatBase

Title: DRIVER'S SEAT OF WORK VEHICLE

Priority: JP20080175977 20080704 JP20080175978 20080704

Family:

Publication number	Publication date	Application number	Application date
CN101618688 A	20100106	CN200910130246	20090326
CN101618688 B	20120111	CN200910130246	20090326
IN00579CH2009 A	20100108	IN2009CH00579	20090313
IN267251 B	20150710	IN2009CH00579	20090313
JP2010012999 A2	20100121	JP20080175977	20080704
JP2010013000 A2	20100121	JP20080175978	20080704
JP5173633 B2	20130403	JP20080175977	20080704
JP5450991 B2	20140326	JP20080175978	20080704
TH107729 A	20110512	TH20091000807	20090225
TH53308 B	20170111	TH20091000807	20090225
US2010001571 AA	20100107	US20090402185	20090311
US8042873 BB	20111025	US20090402185	20090311
VN10371 A1	20120725	VN20090000484	20090312

Probable Assignee: KUBOTA CORP

Assignee(s):(std)**:** KUBOTA KK ; KUBOTA LTD

Assignee(s): KUBOTA CORP

Inventor(s):(std)**:** TATSUYUKI KASHIMOTO ; TAKAYOSHI OTSUKA ; NORIYUKI MIYAMARU ; JUNTA KUWAE ; OTSUKA TAKAYOSHI ; MIYAMARU NORIYUKI ; KUWAE JUNTA ; KASHIMOTO TATSUYUKI

Agent(s): KITAMURA SHUICHIRO; WEBB LAW FIRM PC; WEBB LAW FIRM

International class (IPC 8–9): A47C7/02 B60N2/38 B62D25/08 (Advanced/Invention); A47C7/02 B60N2/24 B62D25/08 B62D49/00 (Core/Invention)

International class (IPC 1–7): A47C7/02 B60N2/00 B62D49/00

CPC: B60N2/06 B60N2/502 B60N2/544 B60N2/646

European class: B60N2/06 B60N2/50D B60N2/54C B60N2/64C

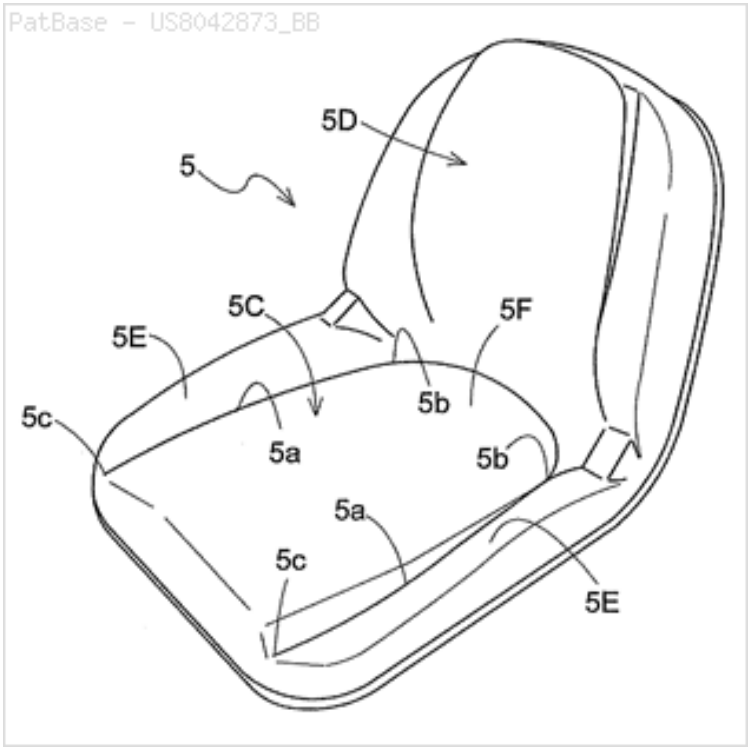
US class: 297/452.11 297/452.110P 297/452.21 297/452.23 297/452.25 297/452.46

Classification Explorer

Cited documents: USD418326 S1, US6893087 BB, US5342110 A, US5211697 A, US4953913 A, US4717202 A, US4522446 A, US4084775 A, US3770318 A, US3630570 A, US3485698 A, US3482874 A, US2008099264 AA, JPS55147974 U, JPS55147936 U, JPS54135442 U, JP9315244 A2, JP9123806 A2, JP7136354 A2, JP55147974 U1, JP55147974 U, JP55147974 U, JP55147936 U1, JP55147936 U, JP55147936 U, JP54135442 U1, JP54135442 U, JP54135442 U, JP3130725 U1, JP2064345 U1, JP2006096320 A2, JP2004142559 A2, JP10138839 A2, JP09315244, JP09123806, JP07136354,

Forward Citations: US8678505, US8419061, US2012153702, US2011233909,

Abstract:
Source: US2010001571A A driver's seat of a work vehicle comprising a seatback section, and a seating section including a receiving surface portion formed in an intermediate portion of the seating section for receiving buttocks of the operator, and a recessed groove formed along a side frame portion at a boundary between the side frame portion and the receiving surface portion to open at an extension distal end of the seating section. The recessed groove has a bottom surface inclined downwardly from a back end of the seatback section to the extension distal end of the seating section.



0) EP1555197A2 – REAR FENDER FOR A MOTORCYCLE HINTERES SCHUTZBLE...

37) Family number: 32150071 (EP1555197A2) © PatBase

Title: Rear fender for a motorcycle

Priority: CN200310117016 20031127

Family:

Publication number	Publication date	Application number	Application date
AT455029 E	20100115	AT20040257365T	20041126
CN100537336 C	20090909	CN200310117016	20031127
CN1621297 A	20050601	CN200310117016	20031127
DE602004025080 D1	20100304	DE200460025080T	20041126
EP1555197 A2	20050720	EP20040257365	20041126
EP1555197 A3	20090107	EP20040257365	20041126
EP1555197 B1	20100113	EP20040257365	20041126
ES2337900 T3	20100430	ES20040257365T	20041126

Probable Assignee: YAMAHA HATSUDOKI KABUSHIKI KAISHA

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

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

Inventor(s):(std)**:** HSU HAN CHYUAN ; PENG CHIN CHING ; YANG SHENG HSIEN ; ZHIQING PENG ; SHENGXIAN YANG ; HANQUAN XU

Inventor(s): PENG ZHIQING ; YANG SHENGXIAN ; XU HANQUAN

Agent(s): NICHOLLS MICHAEL JOHN

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

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

International class (IPC 1–7): B62J15/00 B62J15/04

CPC: B62J15/00

European class: B62J15/00

Classification Explorer

Cited documents: US2003132048 AA, FR2748713 A1, FR2673415 A1,

Forward Citations: EP2703267,

Abstract:
Source: EP1555197A2 The purpose of this invention is to provide a rear fender (1) for a motorcycle, which can effectively solve the problem that the rear vehicle body and the back of the back seat rider and the like gets wet or dirty by the splashed water or mud brought forth by the forward rotating rear wheel at high speed when the motorcycle is traveling over puddles. The rear fender (1) for a motorcycle of this invention comprises a rear fender (1), a plurality of waterproof ribbed plates (2,3) disposed on the inner face of said rear fender (1) and substantially parallel to each other and extending from one end edge of said rear fender (1) to another end edge, characterized in that at least said waterproof ribbed plates (2,3) disposed on the lower half of said inner face of said rear fender are disposed on said inner face of said rear fender at an angle ranging from 70 degrees to 110 degrees from the substantially horizontal ground when viewed from the side of the vehicle body.

PatBase - ES2337900_T3

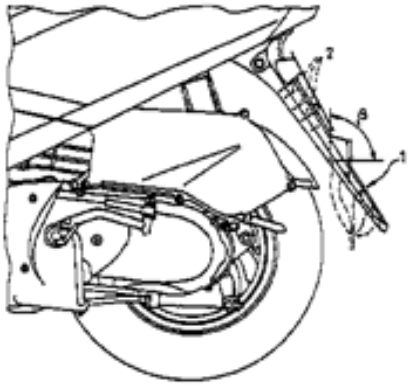


Fig. 1

38) 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
AT104609 E	19940515	AT19910100224T	19910109
AU199169281 A1	19910718	AU19910069281	19910110
AU631040 B2	19921112	AU19910069281	19910110
CA2034269 AA	19910718	CA19912034269	19910116
DE4001148 A1	19910718	DE19904001148	19900117
DE4001148 C2	19920521	DE19904001148	19900117
DE59101406 D1	19940526	DE19915001406	19910109
EP0438076 A2	19910724	EP19910100224	19910109
EP0438076 A3	19911227	EP19910100224	19910109
EP0438076 B1	19940420	EP19910100224	19910109
ES2051525 T3	19940616	ES19910100224T	19910109
FI111146 B	20030613	FI19910000190	19910114
FI910190 A	19910718	FI19910000190	19910114
FI910190 A0	19910114	FI19910000190	19910114
JP3107836 B2	20001113	JP19910001407	19910110
JP4212619 A2	19920804	JP19910001407	19910110
US5119718 A	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)**:** TEICH MICHAEL ; TEICH MICHAEL DIPL ING ; WAGNER JUERGEN ; WAGNER JURGEN ; YURUGEN BUAAGUNAA ; WAGNER JURGEN DIPL ING ; MIHAERU TAIHI ; WAGNER JUERGEN DIPL ING

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 (IPC 8–9)**:** B01D46/10 B60H1/00 B60H1/24 B60H3/06 (Advanced/Invention); B01D46/10 B60H1/24 (Advanced/Non–invention); B01D46/10 B60H1/00 B60H1/24 B60H3/06 (Core/Invention)

International class (IPC 1–7)**:** B01D46/00 B01D46/10 B60H1/0 B60H1/24 B60H3/06 B62D33/06

CPC: B60H1/00378 B60H3/0616 B60H2003/065

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

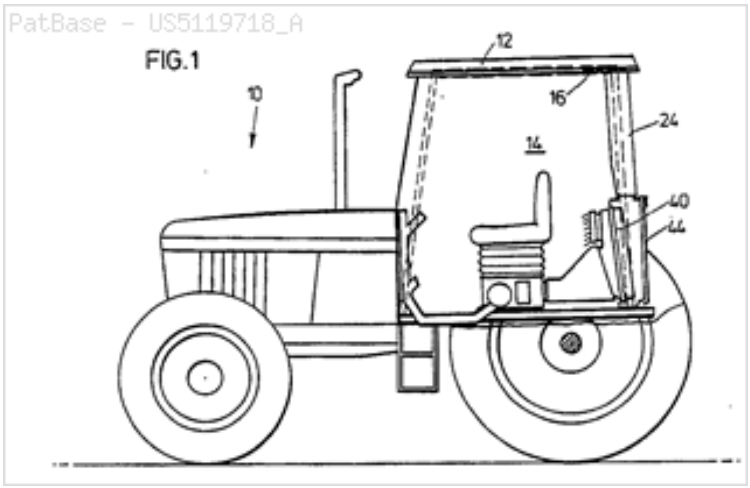
US class: 296/208 454/136 454/158 55/433

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) US4989665A – CASTING MOLD FOR A HOLLOW MEMBER

39) Family number: 30878320 (US4989665A) © PatBase

Title: Casting mold for a hollow member

Priority: JP19870321536 19871221 JP19880075721 19880329 JP19880277497 19881104 JP19880075722 19880329 JP19880124885 19880524 JP19880132573 19880601 US19920876912 19920430 US19900621883 19901204 US19880287062 19881221

Family:

Publication number	Publication date	Application number	Application date
BRPI8806783 A	19890829	BR1988PI06783	19881221
EP0322305 A2	19890628	EP19880403253	19881220
EP0322305 A3	19900822	EP19880403253	19881220
EP0322305 B1	19940406	EP19880403253	19881220
JP1247288 A2	19891003	JP19880075722	19880329
JP1254479 A2	19891011	JP19880132573	19880601
JP1297387 A2	19891130	JP19880124885	19880524
JP1317886 A2	19891222	JP19880277497	19881104
JP2706956 B2	19980128	JP19880277497	19881104
US4989665 A	19910205	US19880287062	19881221
US5375677 A	19941227	US19920876912	19920430

Probable Assignee: HONDA MOTOR CO LTD

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

Assignee(s): HONDA GIKEN KOGYO EM INGLES HOND KK ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KABUSHIKI KAISHA EM INGLES HONDA MOTOR CO LTD ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** HORIIKE TAKEO ; KASHIWAGI HITOSHI ; MARUOKA SHIGEHIRO ; MATSUO YOSHIHIRO ; SUZUKI KEIJI ; TAKASAKI NORIMASA ; TERADA HIROHIKO ; YAMAGIWA TOSHIO

Inventor(s): TOSHIO YAMAGIWA ; TAKEO HORIIKE ; SHIGEHIRO MARUOKA ; KEIJI SUZUKI

Designated states: FR IT

International class (IPC 8–9)**:** B22C9/22 B62J15/00 B62K11/02 B62K11/04 B62K19/12 F16F15/04 G10K11/16 (Advanced/Invention); F16F15/04 G10K11/00 (Core/Invention)

International class (IPC 1–7)**:** B22C9/08 B22C9/22 B62J11/00 B62J15/00 B62K11/02 B62K11/04 F16F15/04 G10K11/16

CPC: B62K11/04 B62K19/12

European class: B62K11/04 B62K19/12

US class: 164/133 164/135 164/363 180/219 180/311 280/281.1 280/288.2 280/288.3

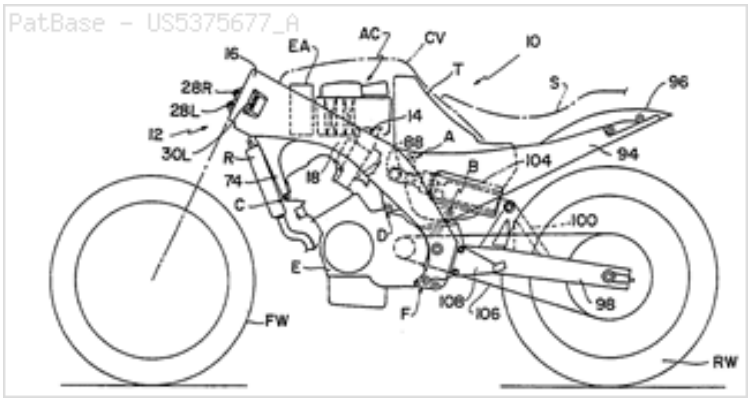
Classification Explorer

Cited documents: US4989665 A, US4887688 A, US4887687 A, US4852678 A, US4815555 A, US4727953 A, US4696363 A, US4694929 A, US4678054 A, US4585086 A, US1535245 A, JP6231576 A2, JP62096185 A2, JP62031576 A2, JP61291281 A2, JP61129383 A2, JP61036072 A2, JP61006084 A2, JP60176876 A2, JP59185545 A2, JP58111197, JP58016967 A2, JP56114553 A2, JP54118414 B4, JP1254479 A2, IT352652 A, GB2056360 A1, GB2006653 A1, FR2575718 A1, FR1530552 A, EP0322305 A2, EP0295799 A2, EP0207618 A2, DE728307 A,

Forward Citations: WO9929563, WO10024045, WO04035373, WO04020271, WO0078596, USD618596, USD600374, USD600373, USD567715, US9511813, US9327790, US9169444, US8550200, US8534407, US8297396, US8118127, US8079642, US8051938, US7980347, US7883101, US7861816, US7845450, US7779950, US7748746, US7726382, US7681680, US7669682, US7644796, US7621363, US7523800, US7497455, US7472772, US7383909, US7267193, US7258186, US7255191, US7232142, US7201246, US6979023, US6979014, US6889788, US6796030,

US6516913, US6446996, US6419273, US6416072, US6047786, US5385197, US5375677, US5263533, US2015158542, US2011278085, US2011073398, US2010193275, US2010096206, US2010096205, US2009194353, US2009021059, US2008190683, US2008169149, US2008169148, US2007175682, US2007108722, US2007102896, US2007056789, US2007012500, US2006290094, US2006197304, US2006196713, US2006037800, US2005103548, US2005092538, US2004206565, US2004178599, US2004159767, US2003227156, US2002050706, JP6286679, JP6191459, JP6060645, JP4698103, JP4516497, JP4516028, JP3539501, JP2014104812, JP2010069510, JP2010052554, JP2008207757, JP2007261587, JP2006273306, JP2006264673, JP2006232166, JP2005231549, FR2701660, FR2664227, ES2050563, EP2810862, EP2174861, EP2055618, EP2036807, EP2017173, EP1964759, EP1792674, EP1792674, EP1775208, EP1698548, EP1695898, EP1695898, EP1553013, EP1122160, EP1122160, EP1081037, EP1081037, EP0572058,

Abstract:
Source: US4989665A A casting mold is provided for a body frame for a motorcycle including a head pipe for supporting a rotary shaft for a handle, a pair of left and right main body frame elements, connected to the head pipe and extending rearwardly of a car body, a pair of left and right engine supporting members, connected to and extending downwardly from the main body frame elements adjacent to said head pipe, and a horizontally extending frame element connecting said left and right main body frame elements to each other at intermediate portions in the longitudinal direction. The engine is supported at least at a lower end portion of the left and right engine supporting members and intermediate portions in the longitudinal direction of the left and right main body frame elements and an upper end portion of a shock absorber is connected to the horizontally extending frame elements. A cast body frame is constructed of a light alloy and assembled by joining a leftward and a rightward divided block formed in shapes being vertically divided at the head pipe portion to each other. The main body frame elements are formed from a tubular member having a rectangular cross section wherein the widths of the opposite side walls are larger relative to the widths of upper and lower walls, and the widths of the side walls gradually vary from a front end portion connected to the head pipe to a rear end portion for forming at least a smaller area between the front end portion to the rear end portion.



0) WO14084195A1 – SUPPORT STRUCTURE FOR VEHICLE–MOUNTED ELECTRIC ...

40) Family number: 56590918 (WO14084195A1) © PatBase

Title: SUPPORT STRUCTURE FOR VEHICLE–MOUNTED ELECTRIC COMPONENT

Priority: JP20120258312 20121127 WO2013JP81724 20131126

Family:

Publication number	Publication date	Application number	Application date
CN104661906 A	20150527	CN201380049706	20131126
IN04475DN2015 A	20151127	IN2015DN04475	20150525
JP2014084195 A1	20170105	JP20140550191T	20131126
JP5903501 B1	20160413	JP20140550191T	20131126
TH158336 A	20161129	TH20151002838	20131126
WO14084195 A1	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

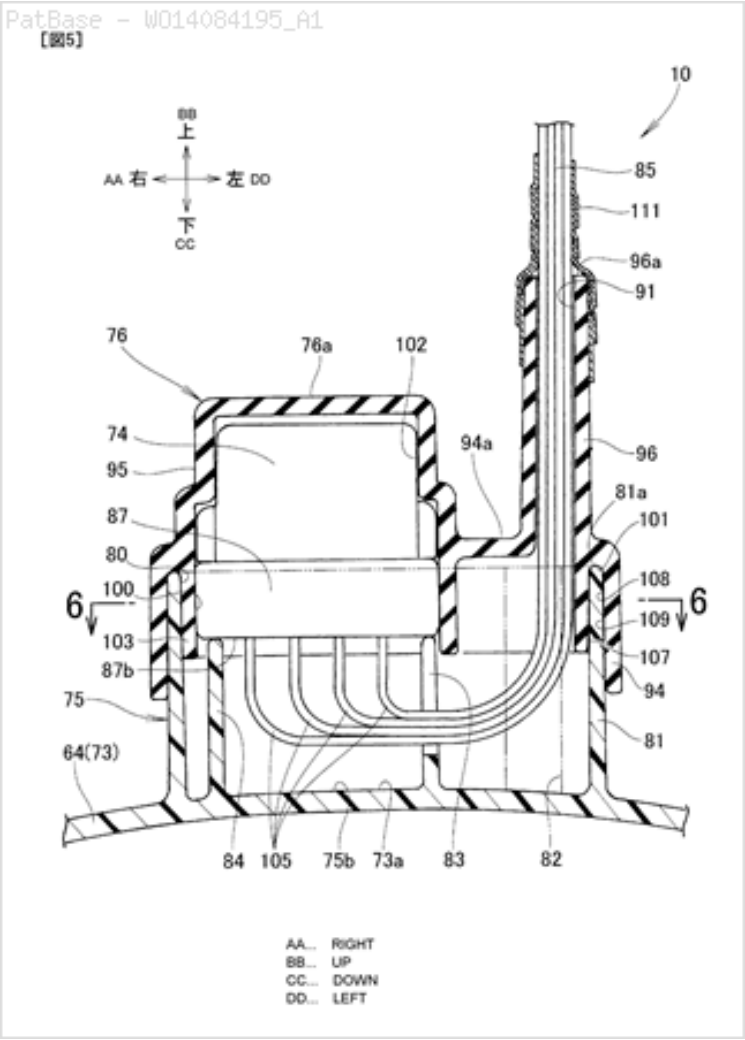
International class (IPC 8–9): B60R16/02 B62J11/00 B62J15/00 B62J9/00 (Advanced/Invention); B60J11/00 B60R16/02 (Core/Invention)

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.



0) US2209158A – AUTOMATIC SPEED CONTROL FOR AUTOMOTIVE VEHICLES...

41) Family number: 21270928 (US2209158A)

© PatBase

Title:	AUTOMATIC SPEED CONTROL FOR AUTOMOTIVE VEHICLES
Priority:	US19370155090 19370622

Family:

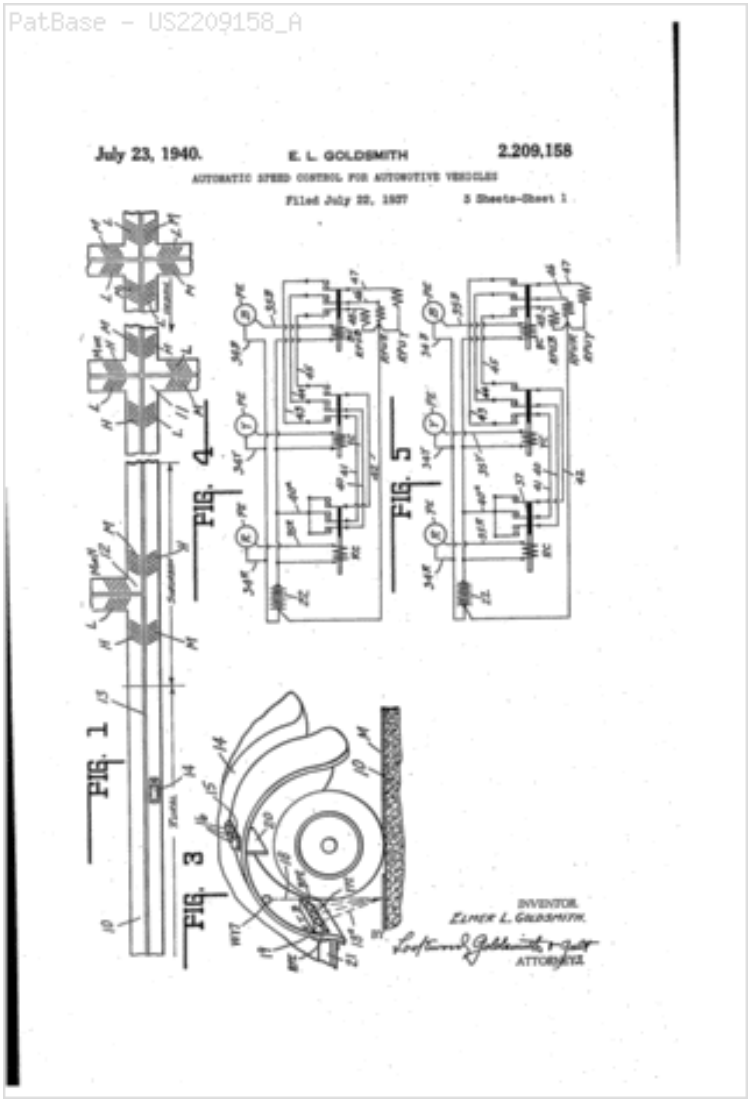
Publication number	Publication date	Application number	Application date
US2209158 A	19400723	US19370155090	19370622

Probable Assignee:	ZONE O TROL PIERCE INC
Assignee(s):(std)**:**	ZONE O TROL PIERCE INC
Inventor(s):(std)**:**	GOLDSMITH ELMER L
International class (IPC 8–9)**:**	B60K31/00 B60K31/04 G01P1/08 (Advanced/Invention); B60K31/00 B60K31/02 G01P1/00 (Core/Invention)
International class (IPC 1–7)**:**	B60K31/00 G01P1/08 G05D1/03 G08G1/07
CPC:	B60K31/0058 B60K31/04 G01P1/08
European class:	B60K31/00F B60K31/04 G01P1/08
US class:	180/170 250/206 250/215 250/226 250/555 340/905

Classification Explorer

Forward Citations: US5486808, US4068734, US3662332, US3428062, US3345626, US3218461, US3201750, US3112004, US3017946, US3007538, US2852086, US2510385, US2416096, DE1663053,

PatBase - US2209158_A



Abstract:
Source: US2209158A following description and claim: In the drawings, – Fig. 1 Ls a. plan vlew of a highway illustrating three different zones thereof, to–wit, urban., suburban and rural, provided with conventional color indications on the pavement of red, yellow and blue, respectively, and these representing low maximum speed, medium or moderate maximum speed, and substantially unrestricted speed correepondlng, for example, to 25, 40 and 80 miles per hour. Fig. 2 is a diagrammatic view o! a. major portion of the electrical connections embodied in the control on a. self–propelled vehicle, parts of the vehicle associated therewith also being included in this diagrammatic Hgure together with a diagrammatic representation of B highway signal. Fig. 3 is a perspective view of a, portion of the vehicle and highway immediately associated therewith being shown in section, the former being shown provided with the signal initiating and “pick–up” portions of the system and the latter with the signal portion of the system. Fig. 4 is a wiring diagram in conventional form of a. portion of the system dlagrammstically illustrated in Fig. 2 but showing the same in the position corresponding to the highway condition where normally all three signals would be picked up as might be the condition on B. white concrete pavement with the sun shining directly thereon. Flg. 5 is e. view similar to Fig. 4 but illustrates the same portion cf the system under such conditions as applied to B black pavement, such as asphalt or “black top," or other eq\iiva1ent'pavement which is black or relatively dark and which has thereon no color zoning signalindicatlon, Fig. 6 is a central sectional view through one of the dash pots €II1b0d1€d in one form of the invention. Flg. 'I is a view similar to FIB. 2 and of a modiHed form of a portion of the form of the invention Illustrated in Flg. 2, the remainder of the control being omitted. _ Fig. 8 is a section taken on line I–8 of Fig. 'T and in the direction' of the arrows. Fig. 9 is a. diagrammatic view of a portion of the invention illustrating a. modification thereof wherein the moving power is utlliied as the holding power between reception of successive signals. In Fig. 1 of the drawings, there is illustrated a. vehicle roadway or highway Il which from left to right leads Into a Suburban section and then passes into an urban section. The highway La Lntersected as at ll and there may be a~ T–road as at |2,. The highway is shown as of two–lane character, in which a center strip may be provided and consequently. It is shown dotted herein and indicated by numeral |3. The–highway is provided with spaced dlafsonarcolored lines or rather areas, the selected colors representing different zones of the roadway and the letters H, M and L 1DdiUH–U–D8 high speed color signals on the highway, medium or moderate speed signals and low speed signals, respectively. Solid areas may be employed. – _ Merely representative, in Flg. 1 there is illustrated the use of blue as a color signal for indicating the beginning of a high speed'zone. The yellow color signal indicates the beginning of a. moderate speed zone. The red color indicates the beginning of a low or slow speed zone. As stated initially, herein, the control devices on the vehicle, one of which ls shown in Fig. 1 and indicated by the numeral M, may be _set so that these color or zone signal indications insure predetermined maximum vehicle speed 'limitations of, for example, 25, 40 and 60 miles per hour, respectively. _ Reference will now be had to Fig. 3, and in this hgure there is illustrated a portion of the vehicle M, the numeral Ill indicating a portion of the highway, and there is further illustrafed the color strips M which are yellow in color and constitute the signal arrangement. Flg._ 3 illustrates the "pick up” portion of the control sysmm and herein 'the same is shown positioned under the left rear fender of the vehicle, although any other desired positioning may be provided. On the left rear fender' and visible from the front and rear, there is conventionally illustrated a, bracket I5 which mounts three lamps IG which may be of the same or 'diiferent colors and reference will be had more particularly thereto hereinafter. As stated, other signals may be provided forwardly on the vehicle and rearwardly in place of the two–way visible signals IG. This 'external signaling from the vehicle is Old Der Se in the 1114?– WIl indicates a. suitable light source which constitutes the vehicle can–led initiating portion of the system and which throws white light downwardly on to the pavement, as indicated dingrammatically by the line I 8 and the pavement reliects this light upwardly as at I9a. Since the color stiipes M in Fig. 3 are shown asryellow and since opaque objects appear in the colors, they re11ect,– the yellow stripe on the roadway will reliect a preponderance of yellow rays therefrom and derived from the main light source WH, and these redected rays will be projected on to a unit I9 which contains three different color signal, reception devices, designated

RPE, YPE and'BPE, since for an explanation of this invention It_ has been arbitrarily assumed that red, yellow and blue will be the three colors utilized. fOf course, a greater or lesser number ol' colors may be employed but in a mnlng system, two or more colors preferably should be employed. The des# ignation PE stands for photo electric unit. The provision of unit WIT upon the vehicle Insures that in the preferred form of the invention no energ'y_is required for highway signal maintenance or Illuminétlon. As previously stated, the main signal source WI1 and the unit I9 containing the three photo electric units may be positioned on the vehicle Q I5 'IU 'll a,aoo,1i–ss » 3 wherever required. It might be added the reason it Is shown positioned in longitudinal alignment with one of the rear Wheels is that in those localities where there is considerable snow and ice that accumulates on the pavements ‘during certain seasons ol' the winter the color signal on the pavement will be exposed long before the entire pavement is clear of snow and ice, due to tire wear. Furthermore, positioning this portion of the control in longitudinal alignment with one of the rear wheels insures that the dark streak in the highway, due to oil and grease dripplngs and the like, has no effect on a signal control if the vehicle is being driven in the normal tralllc lane. If desired, in order to prevent mud and the like from being thrown by the rear wheel so as to cover the light source WI1 and the "pick up” unit IIS, there may be provided a. dexible guard 2D. It is also to be understood the positioning of the parts shown in Fig. 3 may be changed, for example, so as to be carried by the undersurface of the running board 2| and suitably protected fore and aft by guards 28 or the like. Reference will now be had to Fig. 2. In this figure 22 indicates the conventional source of power on a vehicle M. The same is herein illustrated as the battery of the vehicle grounded to the frame as at 23. The switch 25 controls a light circuit 25 of which only a portion is illustrated, and any desired lighting system may be embodied therewith. Line 26 is controlled by the ignition switch 21 and has a branch 28 leading to the engine ignition circuit of whatever character desired. A line 29 is a branch of line 26 controlled by ignition switch 21 and a branch thereof supplies the light source WI1 with energy. The light source WI1 is grounded as at Sl through an adjustable resistance 32 so that the amount of light discharged from the light source WW, and which is preferably a white light or the equivalent, may be regulated in the initial installation of the control and thereafter sealed against tampering. 'I‘hus the light WH always is energized when the ignition circuit is closed to permit vehicle movement. Another branch 33 of line 29 supplies by branches 34 current to each of the photo electric units which operate as light switches. Each photo electric unit has positioned ahead of it a coolr filter designated by the letter F and preceding the same is a lens designated by the letters LS. The purpose of the lens is to pick up the light rays reflected from the pavement ll) when the light rays I8 are reflected especially from the color stripe thereon. The purpose of the color fllter which may be of glass or other suitable character, is to prevent passage of light rays to the respective photo electric cell, except for that color for which the photo electric cell has been determined it should be responsive to, It is not known whether there are commercially available photo electric cells that are selectively responsive to individual colors and non–responsive to all other colors and, therefore, the employment of the concentrating lens and the employment of the color filter is embodied herein so that the color designated photoelectric cell corresponding to the color of the road signal, will be energized when the light from the light source WI1 is redected thereto. In the upper right hand portion of Fig. 2 is illustrated a switching arrangement arranged in three groups, since three colors, as It were, have been illustrated in the present embodiment of the invention. A relay RC is connected by the line SER. to the red photo electric cell RFE and the relay is grounded to the frame as at 36. Similarly, the relay YC Is connected by the line 35Y to the yellow photo electric cell YPE, and is grounded to the frame as at 35. Similarly, relay BC is connected by the line 85B to the blue photo electric cell BPE and grounded at 36. Grounds 86 may be a common ground, if desired. Each relay is adapted to move its core 31 when energized and in opposition to its spring I8 Which, when the relay is deenergized, returns the core to the original position and into engagement with its stop 39. Associated with the relay RC are three switches having relatively stationary contacts RI, RZ and R3 connected by line 4041. to the line 33. The core 31 of the red relay RC is insulatably connected to the three respective cooperating, rela– ‘tively insulated contacts RI’, RZ’ and RT, and are simultaneously movable by and with the core 31 of the red relay when the red relay is energized. In a similar manner, there is provided for the yellow signal arrangement, the relatively stationary contacts YI, Y2 and Y!–1 and the cooperating contacts Y|', Y2' and Y3’ carried by and movable with the core 31 of the yellow relay YC normally constrained toward its original position by the spring 38 and into engagement with the stop SB. In a similar manner, a third group of switches is provided for the blue relay BC, the relatlve‘y stationary contacts thereof being designated Bl, B2 and B3, and the complementary cooperating contacts being designated BV, B2’ and B3', the latter being supported by and movable with the core 31 of the blue relay BC when the latter is energized and movable therewith by the spring 3B into engagement with the stop 35 when deenergized. The switch contact RI ' is connected by the line 66 to the contact Y2'. The switch contact R2' is CODY1€Ct9d by line dl to the switch contact 'Y|'. The switch contact R3' is connected by line 42 to the switch contact Y3'. The line 43 connects switch contact YI to the switch contact B3. The line 4| connects the switch contact YZ to the switch contact B2. The line 45 connects switch contact Y3 to the switch contact Bl. It will be observed that when all relays RC, YC and BC are deenergized, that all of the switches RI–RV, YI–YI’ and Bl–BI’ are in open circuit position and switches R2–R2', R3– R3’ and Y2–Y2', Y3–Y3', B2–B2’ and B3–BS', all are in closed circuit position. This condition is more or less diagrammatically illustrated in Fig. 5 which is a representation of this portion of the system when it is receiving no, signal indl.. cation from the roadway as, for example, when the road is of “black top” character without color zoning thereon even though light WI1 be directed thereon. If it be assumed a condition should arise wherein, due to the intensity of the sunlight or light from source WIT and the vehicle be upon a white pavement, there is reflected into all the photo electric “pick–up devices” all three signals, then this portion of the circuit is conditioned as shown in Flg. 4, to–wit, switches RI–R.|', YI–YI' and Bl–Bl ' are closed. Since it is noted that in each group of three switches one is normally closed and the other two normally opened or vice versa, it is quite evident, as appears from Fig. 4, that B no current Is supplied by the photo electric "pick lllflrlevlces to the llnes ll. I1 illdlfl, connected respectively to the switch contacts B2'. Bi' and Bl', because in the blue switch series, the two right hand ssswitches are open and In the yellow serles the last right hand swltchvls open, even though the B1–st or left hand switch of the blue series is closed. Thus no energy is supplied to any llne_|5, 41 or GI. However. It Is to be noted that the intensity of the light source WI1 may be so increased (see resistance 82) and the ulterlng of the rellected light be ol' such character that normal sunllahtreilected from a white road will not result in energlmtlon ol' all photo–electric controls. ' In Fig. 5 it will be

quite apparent all ol' the ilrst left hand swltches ol' the three color groups remain in open circuit position under thls condition where no signal indication whatsoever is received by any of the photo electric “pick up" devices so there ls no current supplled to any one of the lines ll, I1 and ll. When the condition ls obtained as represented by Flg. 3, to−wit, the vehicle is passing over a yellow slsnal lndlcatlon, the yellow control relay YC is energized and its core is moved to the left in opposition to spring ll and this closes the left hand switch of the Y series and opens the middle and rlght hand switches ot that series, see Fla. 2. 'I‘he circuit up to this point ls then as follows: V From the source 22 through lines li and ll conditioned by switch 21, thence through llne S8 and branch llia to the switch contact RI, thence by llne ll to switch contact YI’ and from swltch contact YI by llne 43 to switch contact BI and thence through contact BI’ to the line 41. ` In a similar manner, lt wlll be noted that the blue signal will be translated into proper control for supplying electrical energy to llne 4| and ln a similar manner, a red signal will insure electrlc current to line IS. These three lines 46, 41 and 48 constitute the main control lines and lt will be noted that the power conveyed thereby is not that derived from the source of energy through the photo electric “pick up” devices as a series circult arrangem t but it is that derlved through such devices as an auxiliary arrangement so that the photoelectric devices when conditioned #or operation, need only be of suftlclent capacity for operation of the respective relays designated by the appropriate letters RC, YC or BC. Thus, any required amount of power may be supplied to the lines IG, I1 and 0 and independent of the capacltles of the photo electric units. Reference will now be had to the lower left hand portion of Flg. 2. The numeral II lndlcates the intake to the internal combustion engine of the vehicle; E0 indicates an adaptor insert interposed between−the intake and the carburetor. Herein the arrangement is illustrated as of the updraft type, and a portion of the carburetor is indicated by ll. The position of the lntake and the carburetor may be reversed. There ls shown herein, merely for illustration purposes, a manually operable control valve ll operable by the member 53, in tum operable by the foot throttle and/or the hand throttle, as is well understood ln the internal combustion engine art. In the adaptor insert Sl, there is provided a valve ll mounted on the shaft 5| which has a. lever arm 56 rigid therewith and exterlor of the passage and carrylng a projection 51 seatable ln a slot 58 in the end of the member 59 that projects toward the intake passase Portion of the adaptor insert lllandllestotliearmsldethereof as shown 111 FIS. 1. Bultably supported adlacent the same is−acoil lt which has three coil portions IDR, IIY and IIB, each connected to the ground as at ll, and each supplied with power by a llne 82, 0| and M, respectively. Line 62 leads to a. stationary switch contact CIR. A swltch member NR ls normally constrained into open circuit position bytthe _spring UR. Llne "R is connected to llne Bl In tum connected to llne 38. In a. similar manner, the solenoid section ‘DY has its supply llne ll connected to stationary switch contact IBY. Adjacent thereto ls the switch IIY normally constrained into opelrclr−» cult posltlon by the spring HY and the switch is connected to llne B9 by the llne SIR, In a similar manner the solenoid section MIB ls connected by its supply llne 8| to the stationary switch contact SIB. Cooperating switch member GSB ls normally constrained lnto open elrcult position by the spring SIB and ls connected by the llne SIB to the llne 89. Sultable open circuit position' stops for the switch members −may be provided as indicated at 1IR, 1IY and 103, respectively. 'I‘he llne li supplies energy to the solenoid RPUR which ls grounded at HR.. A movable core 121% is connected to the switch member IIB and the spring 61R envelopes the same. In a similar manner, solenoid RPUY ls connected to llne 41 and ls grounded at 1|Y. 'I‘he movable core 12Y thereof ls connected to the switch member BGY and ls encircled by the Spring IIY. _ In a similar manner, the solenoid RPUB :Is connected to llne ll and ls grounded as at 1|B. This solenoid has the movable core 12B which is connected to the switch member SSB and ls enclrcled by the constraining spring 61B thereof. As shown in Fig. 2, the yellow solenold RPUY has been energized by current from llne 41 and has elevated the switch BSY so it engages contact IEY, this supplying energy from the battery 22 or other suitable source of power on the vehicle to the section IDY of the solenoid il). This has moved the core I9 of the solenoid I0 to the position as shown and valve 5| to position YV and ln opposition to the spring 13 bearing against a seat and retaining member 14 carried by that member. This spring member 1| enclrcles the member 59 and normally tends to move the core to the low maximum speed position. The invention so far described is of the instant type and unless there ls embodied in the system an sddltional clrcult arrangement which will maintain the respective switches I8 closed after the initial signal is received and retain the same closed until s. new signal ls received thereby energizing the respeetlve sections ot solenoid 60, some other means must be provided to hold the control member 59, which ls herein for simplicity shown as an extension of the movable core of the solenoid 50, in the predetermined position corresponding to the signal lndlcatlon received or picked up by the vehicle. One mechanical embodiment of such means ls herein illustrated. A solenoid 15 is connected by llne 18 either to llne E9 or directly to the llne SI, the former connection being shown hereln. This relay is connected by llne 11 to a stationary switch contact 18. Anotherststlonary swltch contact 19 adjacent thereto is grounded ss at li. A swltch member 8| has a stem 82 on lt encircled li I0 I5 by a spring I8 which normally constrains switch member 8| in addition to gravity, into the open circuit position or non−bridging position. A solenoid 8| has the respective sections BIR

0) DE3418930A1 – MUSCLE–OPERATED TRANSPORT MEANS OR VEHICLE OR D...

42) Family number: 3756476 (DE3418930A1) © PatBase

Title:	MUSCLE–OPERATED TRANSPORT MEANS OR VEHICLE OR DRIVE UNIT
Priority:	DE19843418930 19840521

Family:

Publication number	Publication date	Application number	Application date
DE3418930 A1	19851128	DE19843418930	19840521

Probable Assignee:	MOBIK SPORTGERAETE VERTRIEBS G
Assignee(s):(std)**:**	MOBIK SPORTGERAETE VERTRIEBS G
Assignee(s):	MOBIK SPORTGERAETE VERTRIEBS GES MBH ; MOBIK SPORTGERAETE VERTRIEBS GESELLSCHAFT MBH
Inventor(s):(std)**:**	KOESTER JUERGEN
Inventor(s):	KOESTER JUERGEN DIPL WIRTSCH ING DR ; KOESTER JUERGEN DIPL WIRTSCH INGDR
International class (IPC 8–9)**:**	B62B13/18 B62K13/00 B62K13/02 B62K15/00 B62K5/00 B62K5/02 B63B35/79 (Advanced/Invention)
International class (IPC 1–7)**:**	B62K15/00
CPC:	B63H16/20 B63H2016/207 B62B13/18 B62K5/00 B62K13/02 B62K15/00 B62K2015/001 B63B35/795
European class:	B62B13/18 B62K13/02 B62K15/00 B62K5/00 B63B35/79T B63H16/14 L62K15/00B L63H16/20P
Classification Explorer	
Cited documents:	US4440414 A, US3854755 A, DE8133605 U, DE3212783 A1, DE3112768 A1, DE2009244 A1, DE1976103 U,
Forward Citations:	WO9007449, WO14023897, US4995626, FR2994157, FR2777854, EP1193170, EP0378362, DE4200885,

Abstract:
Source: DE3418930A1 Muscle−operated transport means or vehicle with two or more at least 27" running wheels, which transport means or vehicle can be composed of a plurality of components and can be disassembled, the components being connected to one another by means of connecting elements in such a way that they can be dismantled quickly and without difficulty and as frequently as desired into at least five components, including two identical wheels. After dismantling, the device can be stowed in a very small space, for example in a carrying bag. The components are interchangeable so that the vehicle can be adapted to various applications and ground conditions; the design is sufficiently stable so that auxiliary drives can be attached without reducing the roadworthiness.

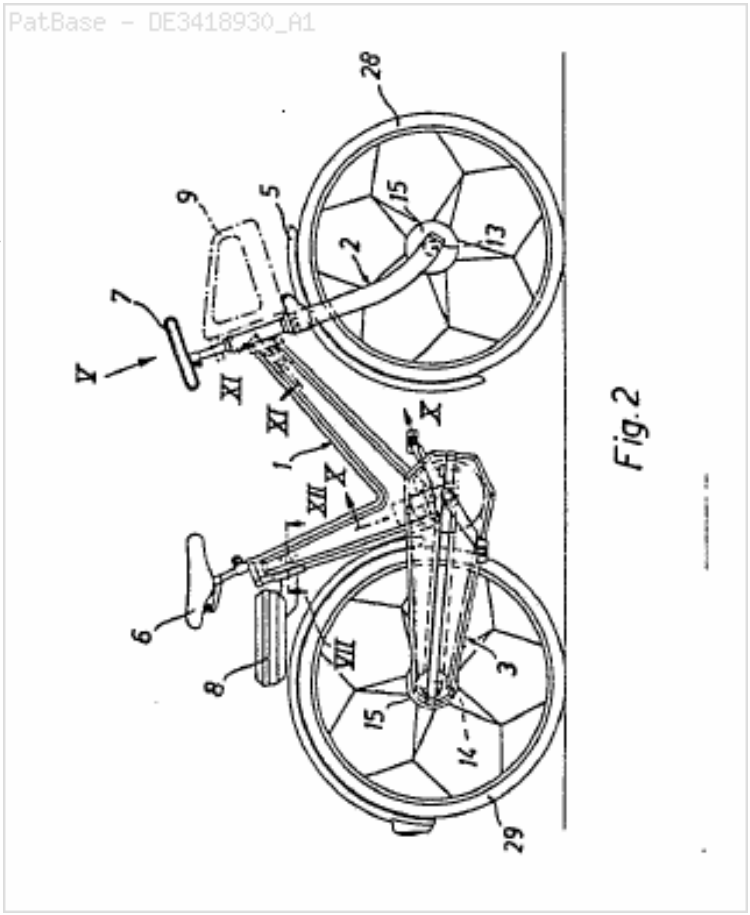


Fig.2

0) GB229185A – IMPROVEMENTS IN AUTOMOBILE BODIES AND METHOD OF...

43) Family number: 18541664 (GB229185A)

© PatBase

Title: Improvements in automobile bodies and method of making same

Priority: GB19240017134 19240717

Family:

Publication number	Publication date	Application number	Application date
GB229185 A	19250219	GB19240017134	19240717

Probable Assignee: BUDD EDWARD G MFG CO

Assignee(s):(std): BUDD EDWARD G MFG CO

Assignee(s): EDWARD G BUDD MANUFACTURING COMPANY ; EDWARD G BUDD MFG CO

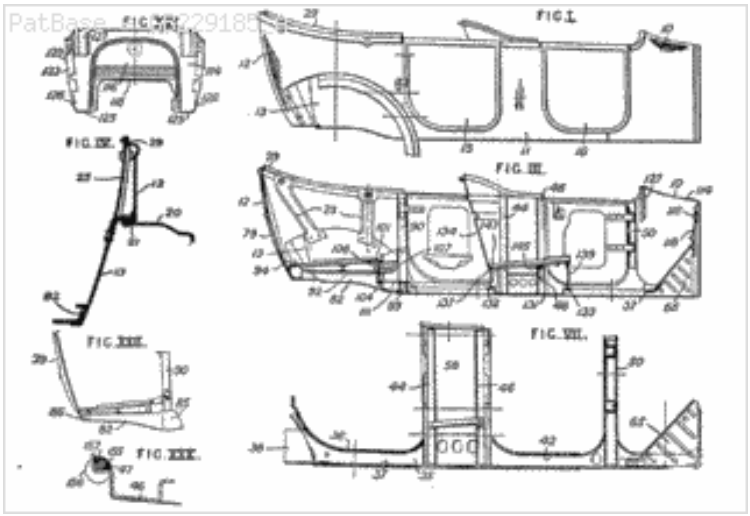
International class (IPC 8–9): B62D25/00 (Advanced/Invention); B62D25/00 (Core/Invention)

International class (IPC 1–7): B62D31/00

CPC: B62D25/00

European class: B62D25/00

Classification Explorer



Abstract:
Source: GB229185A Bodies. An all–metal automobile body comprises side panel units 11, Fig. 1, which are connected at their front ends by a cowl unit 10 and include a body sill, a door post, and a metal shell applied externally thereto, a tonneau frame unit which connects the rear ends of the side panel units and includes a cross–member and door–posts in line therewith, and a tonneau unit 12 applied externally to the tonneau frame unit. A front seat unit 14 braces the front ends of the side panel units 11. Each side panel unit 11 comprises a sill 35, Fig. VII, formed with laterally extending flanges, the lower flange 37 supporting the front door post 44 of the rear door 15, and the posts 46, 50 of the front door 16, whilst the upper flange forms the threshold 36 of the rear door and a part 10 of the threshold of the front door and supports the door posts which are welded to it. The door posts 44, 46 are formed with ledges which act as stops for the front and rear doors respectively. An inclined support 65 for a toe board is secured to the front of the sill 35. A side panel 58 covers the outside of the framework. At the rear end of the sills 35 a flange 38 forms an abutment against which the tonneau frame unit rests and to which it is secured. The tonneau frame unit comprises channel–section side sills 82, Fig. XXII., connected at the rear bv a sill 86 and at the front by a cross–member 89. This member 89 is in line with the rear posts 90 of the rear doors and the posts are secured at their feet to the side sills 82. Upon the side sills rests and is secured the seat pan 92 which is bent upwards at its rear end to form a seat support 94 and downwards at the front to adapt it to rest on the lower flange of the side sill 82, an intermediate shoulder 104 being provided to support the flange 106 of a heel plate 107 the upper part of which is bent forwards to form a shoulder to which a front support 101 for the seat is secured. The side supports for the seat rest on the front and rear supports 101, 94. A rear floor 111, secured to the flange 106 of the heel plate 107 rests on the cross–member 89. To secure the tonneau frame unit to the side panel units, inset portions 85 at the front ends of the side sills 82 are placed against the flanges 38 of the sills 35 and secured to them. At the rear of the tonneau frame unit a brace 79, secured to the rear sill 86, forms a means of attachment for the tonneau unit which encloses the tonneau frame unit. The tonneau unit comprises a tonneau panel 12, Fig. IV., the front edges of which are bent inwards forming flanges adapted to be secured to the front of the posts 90. The lower portions of the sides of the panel 12 are cut away to accommodate wheel housings 13. These housings are secured to the side sills 82 of the tonneau frame unit and to an inwardly–extending flange 21 on the tonneau panel, this flange also supporting the mud–guards 20. The wheel housing 13 and the upper part of the tonneau panel 12 are braced together by members 25 secured to a stiffening rail 29 in the top of the panel 12. The cowl unit 10 is shown in near elevation in Fig. XVI. It comprises a cowl panel 114 secured at the front to a cowl pan 116 provided with a plate 118 forming a support for the front of the toe board. The rear edges 123 of the cowl panel are bent inwards to adapt them to be secured to the rear

faces of the front door posts 50, flanges 129 of members 127, adapted to support an instrument board, being secured to the front faces of the posts. The lower edge 125 of the cowl panel extends rearwards and is secured to the side sills 35, portions 126 of the edge being bent over to complete the thresholds of the front doors. The front seat unit comprises a seat pan 131 of which the front and rear portions are bent upwards, the rear portion 132 constituting a support for a curved seat back 134 formed with a ledge 137 to which is secured the rear support 147 for the seat. A heel board 139 bent round at the sides to cover the exposed parts of the front seats, rests on the upturned front portion 133 of the seat pan 131 and carries at its upper edge the front support for the seat. The seat is given additional support by a cross–bar 145 secured to U–shaped members 48 in the door posts 46. The door posts 44, 46 are provided with devices to prevent rattling. The ledge or stop portion 47, Fig. XXX., of the post 46 is cut away at one part to accommodate a convex plate 155. Into the space thus formed a rubber buffer 156 is inserted with its ends 157 projecting up and down behind the stop portion 47.

0) TWD159110S – MOTOR VEHICLES (MACHINE TRANSLATION)

44) Family number: 55889905 (TWD159110S) © PatBase

Title: Motor vehicles (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD159110 S1	20140301	TW20130304275F	20130621

Locarno class: 12/11

Cited documents: TWD146783, TWD114793, TWD111539, TW421462, NCN301491497, JPD1424571, JPD1421754,

Abstract:
Source: TWD159110S [use] items; the creative department provides a means of transport used in motor vehicles; [description]; the creative department provides a novel design of a 'motor vehicle', shown in the figures refer to the creation of "motor vehicle" as a vehicle precursors and related components included, the overall configuration of the design and styling of the convergence of the body, front, seat, front wheel, rear wheel and fender and so on.; From the front view of the concept of the car appear before arching overhead, the front of the center with inverted convex–shaped lights, the lights above the shield–shaped instrument with a hood, and the two sides of a symmetric extension has an oval mirror and between the handle and the former front line in the neck smaller body contour convergence; former body surface symmetry slash shoulder, the chest and abdomen are composed of the two sides of the shoulder was Xiaojian Department diverging shape and extends downward chest two side lines diverging toward the abdomen, bottom center of the abdomen with a protrusion; under the front edge of the body has two sides, two side edge surfaces were presented with one of boots like the direction of light, below the front side of the vehicle with two In addition to having one of the mud between the edge of the beak–like beak, so that the front faces of the body presented as the head of an eagle, mud in addition to the internal system with two fork rod connected with the front wheels.; From the side view perspective, before the body beneath the mud line with the front wheels in addition to a full–face helmet extends; ago by the middle of the rear bodywork concave and convex side panels together to form the bottom of the former; body between the vehicle body and having a bottom bridging the platform, the platform portion of the recessed space formed tread, the line from the front recess surface of the intermediate platform and the rear concave portion composed; above the rear of the vehicle body having a seat, and the rear sides of the vehicle body, respectively having a front car plate and a rear plate, beneath the front of the car plate was recess and platform convergence, the two sides of the vehicle in front plate extending rearward and middle forming jagged protrusions rear plate corresponding serrated protrusion front car plates designed There is a serrated recess between the front and rear car plate relative to the bump forming parallel plate; rear plate spoon–shaped bottom line was extended back and oblique, combined with Railing extend the shelf rear seat back design, the rear bodywork There is a taillight and mud at the bottom of one of the following oblique taillights feature addition, the bottom line after the two sides of the body respectively after the fork with one rod connected to the rear wheel group, which extends from the rear of the fork system platform, and after Wheels two sides each having a circular one cover, cover and extending toward the platform has a baffle, and the baffle and cover the fork, where the baffle system was oblique sharp edge of the plate–like body.; From the rear view perspective, between the body and the body was before the second–order–like gap between the level of car body panels line the sides of the curved tail, the whole body is rectangular tail lights, tail lights feature at the bottom Except for the mud long plate and two side rear wheel clamp has a cover.; From the top view



perspective, between the front body of the head, chest, abdomen and fender shield arc Department showed levels of presentation, the middle part of the platform sides slightly concave, cushions for the color configuration, preceding a dark area middle with cobweb−like lines, wavy lines, compared with the segment between the body and the seat back together constitute tortuous thick aspect, and the body and tail of the shield−like projections were gradually open shelves and handrails with smooth lines show the beauty of.; Overall view, before the body, the front, the front wheels and other parts together form the shape of the head like an eagle, showing sharp fortitude of the state sample, the greater the distance beneath the front body after body after the DPRK and convergence with the body after Two sides of the car plate shape extending toward the arc, and the overall presentation of a simple and neat style and elegance of a visual experience and no prior application for use in publication or disclosure, in line with the new design; patent application requirements, apply the law Zl.

0) TWD149624S – ELECTRIC CAR (E) (MACHINE TRANSLATION)

45) Family number: 52131272 (TWD149624S) © PatBase

Title: Electric car (e) (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
TWD149624 S1	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.

46) Family number: 45169306 (WO10064541A1) © PatBase

Title: ARMREST STRUCTURE FOR WORKING VEHICLE, STRUCTURE FOR OPERATING SECTION FOR WORKING VEHICLE, AND ARMREST UNIT

Priority: CN200980144993 20091119 JP20080307842 20081202 JP20090114281 20090511 JP20130108473 20130523 JP20130108473 20081202 JP20130248828 20131202 WO2009JP69604 20091119

Family:

Publication number	Publication date	Application number	Application date
CN102216869 A	20111012	CN200980144993	20091119
CN102216869 B	20131127	CN200980144993	20091119
CN103455083 A	20131218	CN201310401793	20091119
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KR101578788 B1	20151218	KR20117009277	20091119
KR20110095244 A	20110824	KR20117009277	20110422
WO10064541 A1	20100610	WO2009JP69604	20091119

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Assignee(s): YANMAR CO

Inventor(s):(std)**:** KAWAJIRI SHINYA ; KAWASHIRI SHINYA ; SHINYA KAWASHIRI

Agent(s): SUZUKI KATSUHITO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01B63/00 A47C7/54 B60K20/02 B60K20/04 B60N2/38 B60N2/46 B62D49/00 G05G1/04 G05G1/08 G05G1/62 (Advanced/Invention); A01B63/00 B60K20/02 B60N2/46 (Advanced/Non–invention); B60N2/24 B60N2/46 (Core/Invention)

CPC: B60K20/02 B60N2/4633 B60N2/464 B60N2/4646 B60N2/4693 G05G1/04 G05G1/08 G05G1/62 G05G5/065

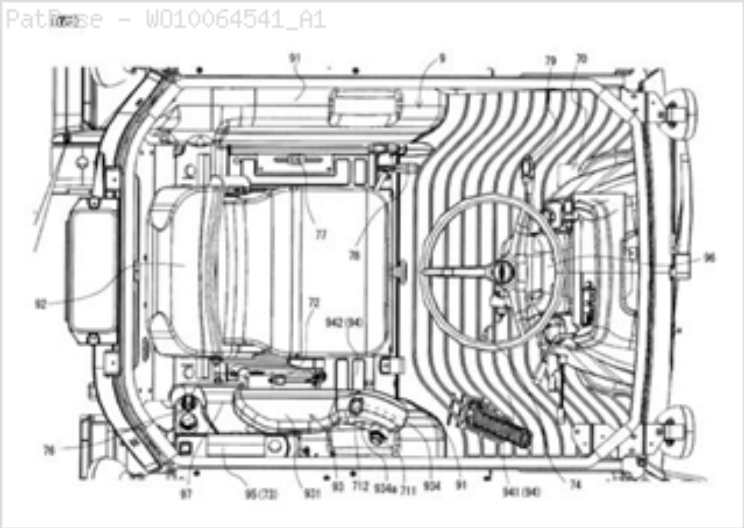
European class: B60K20/02 B60N2/46C2 B60N2/46C4 B60N2/46C6 B60N2/46H3 G05G1/04 G05G1/08 G05G1/62 G05G5/06R

Classification Explorer

Cited documents: JPS63108820 U, JP9000387 A2, JP8242611 A2, JP63108820 U1, JP63108820 U, JP6191337 A2, JP6191337, JP52116823 U1, JP52116823 U, JP5108226 A2, JP2008257402 A2, JP2008105598 A2, JP2008017803 A2, JP2008017803, JP2007030623, JP2007008222 A2, JP2005335429 A2, JP2005335429, JP2002293153 A2, JP2001122148 A2, JP2000148273 A2, JP2000051300 A2, JP1088201988 u1, EP0538020, CN1467105,

Forward Citations: JP2015151108, JP2012003640, EP3109093, CN105452976,

Abstract:
An armrest structure for a working vehicle, the armrest structure comprising an armrest body provided on one side of an operator's seat relative to the width direction of a machine body, wherein the operability of a shift operation member which is used highly frequently is improved. An armrest structure comprises an armrest body (931) provided on one side, in the width direction of a machine body, of the operator's seat (92) of a working machine (1), and also comprises a forwardly extending section (934) extending forward from the armrest body (931). A shift operation member (711) is provided at the outer surface (934a) of the forwardly extending section (934) relative to the width direction of the machine body.



0) JP2003341572A – MUD GUARD STRUCTURE IN SCOOTER TYPE VEHICLE

47) Family number: 30086635 (JP2003341572A) © PatBase

Title: MUD GUARD STRUCTURE IN SCOOTER TYPE VEHICLE

Priority: JP20020151391 20020524

Family:

Publication number	Publication date	Application number	Application date
CN1254401 C	20060503	CN20031019811	20030228
CN1460621 A	20031210	CN20031019811	20030228
ES2249085 AA	20060316	ES20030001123	20030514
ES2249085 BA	20070601	ES20030001123	20030514
IN00442MU2003 A	20050211	IN2003MU00442	20030505
IN236997 B	20091204	IN2003MU00442	20030505
ITTO20030355 A1	20031125	IT2003TO00355	20030516
JP2003341572 A2	20031203	JP20020151391	20020524
JP4116823 B2	20080709	JP20020151391	20020524
TH40475 B	20140618	TH20031001736	20030512
TH59917 A	20031212	TH20031001736	20030512
TW200400895 A	20040116	TW20030109917	20030428
TW593042 B	20040621	TW20030109917	20030428

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)**:** KAKEMIZU KENICHIRO ; KATSU TOMIYASU ; KAZUNORI KAWAME ; KAZUNORI YANO KENGO TOMIYASU K ; TOMIYASU KEN ; KENGO YANO ; YANO KENGO ; TOMIYASU TAKESHI ; KAWAME KAZUNORI

Inventor(s): TOMIYASU KATSU ; YANO KENGO TOMIYASU KATSU KAWAME KAZUNORI ; KEN TOMIYASU

International class (IPC 8–9)**:** B62J15/00 B62J23/00 B62J37/00 B62J9/00 B62J99/00 (Advanced/Invention); B62J15/00 B62J23/00 B62J37/00 B62J9/00 B62J99/00 (Core/Invention)

International class (IPC 1–7)**:** B62J15/00 B62J23/00 B62J37/00 B62J39/00 B62J9/00

CPC: B62J15/00 B62J23/00 B62J37/00

European class: B62J15/00 B62J23/00 B62J37/00

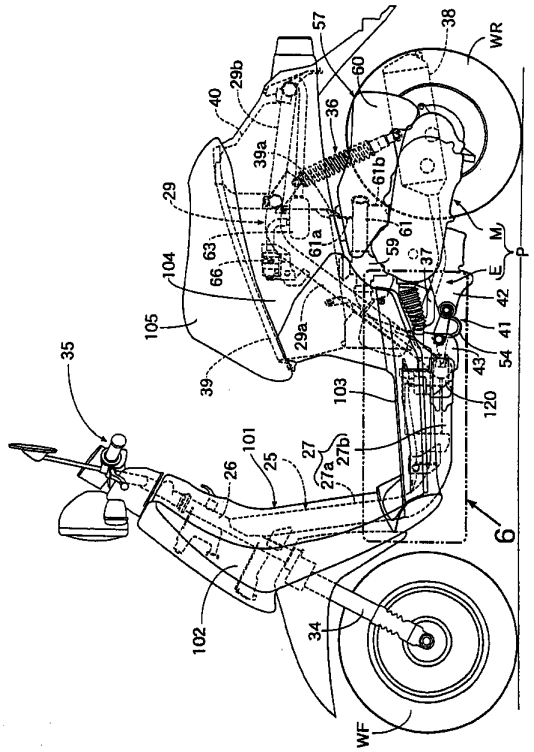
Classification Explorer

Cited documents: US4726439 A, JP2002331977 A2, JP10218058 A2, JP10007058 A2, ES2146512 BA, ES2113790 AA,

Forward Citations: JP4520404, JP2007120486, CN101987641, CN101987641,

Abstract:
Source: JP2003341572A PROBLEM TO BE SOLVED: To provide a mud guard structure for preventing muddy water or the like splashed by a rear wheel from impinging on an engine while decreasing the number of parts and reducing the assembling work man–hour in a scooter type vehicle in which a power unit is supported to rock up and down by a car body frame, and a storage box is disposed between the power unit and a seat disposed above it with an upper end opening part closed by the seat. SOLUTION: An intake system 57 including an air cleaner 60 and a connecting tube 61 connecting between carburetors is disposed between the engine and the storage box 39. A rising wall 61a provided integrally on the upper part of the connecting tube 61 and projected upward and a suspending wall 39a provided integrally on the lower part of the storage box 39 and suspended downward are disposed to overlap each other in the longitudinal direction so that a labyrinth 62 for preventing muddy water or the like splashed by the rear wheel from entering in a part ahead of the connecting tube 61 is formed between the rising wall 61a and the suspending wall 39a.

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第 1 圖

0) US4247030A – RACK FOR ALL TERRAIN VEHICLE

48) Family number: 8065709 (US4247030A) © PatBase

Title: RACK FOR ALL TERRAIN VEHICLE

Priority: US19790103993 19791217

Family:

Publication number	Publication date	Application number	Application date
US4247030 A	19810127	US19790103993	19791217

Probable Assignee: AMACKER INC

Assignee(s):(std)**:** AMACKER INC

Assignee(s): AMACKER JOSEPH A ; BRELL MAR PRODUCTS INC ; PREMIER BANK NATIONAL ASSOCIATION ; PREMIER BANK NATIONAL ASSOCIATION PO BOX

Inventor(s):(std)**:** AMACKER JOSEPH A

International class (IPC 8–9)**:** B60R9/00 (Advanced/Invention); B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60R9/00 B62D61/08

CPC: Y10S224/913 B60R9/00

European class: B60R9/00

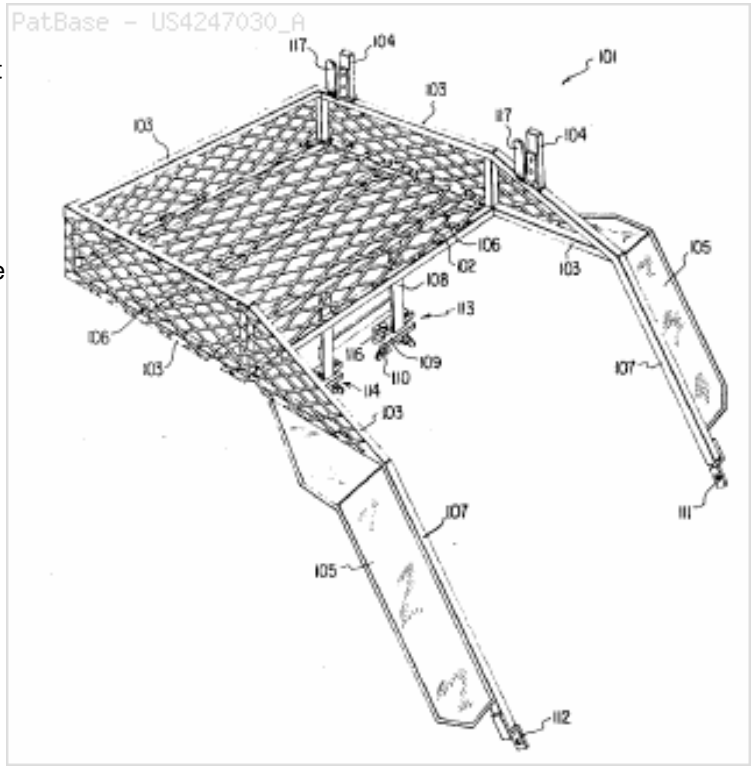
US class: 180/210 224/273 224/401 224/526 224/528 224/530 224/913 280/160 280/769 280/848 297/243 D12/126 D12/85 D12/87

Classification Explorer

Cited documents: US650335 A, US578128 A, US553614 A, US4176771 A, US3776353 A, US2870820 A, US2442889 A, US2425892 A, US2158618 A, US1473956 A, US1382942 A, US1178649 A, US1004975 A, GB190611068 A, GB182335 A, GB156276 A,

Forward Citations: WO08064200, USD713775, USD480991, USD440538, US9199582, US9168875, US9132867, US8925965, US8297394, US8226065, US8196692, US8146944, US7802709, US7600480, US7506714, US7258192, US7128341, US7121371, US7100808, US7066366, US6968917, US6929223, US6820781, US6705680, US6659566, US6502728, US6457618, US6425510, US6378748, US6145718, US6142349, US5794976, US5706990, US5174622, US4826057, US4505411, US4300706, US2017050578, US2013069354, US2011133438, US2010213695, US2009250282, US2008115705, US2007278026, US2007273135, US2006000860, US2005258207, US2005247506, US2005045681, US2004252926, US2004251288, US2004206568, US2004135342, US2004134707, US2004129485, US2004129484, US2004113389, US2004113041, US2004112658, US2004108158, US2004050846, US2003102694, US2002053628,

Abstract:
Source: US4247030A The invention relates to a rack for a vehicle. The rack comprises a seat for holding goods or a person and side walls for containing the goods or the person on the seat. Carriers for a gun or the like are connected to the side walls. A device is also connected to the side walls for allowing the person to rest his or her leg thereon and also for guarding rear tires of the vehicle from having mud and the like splashed thereon. The rack is mounted to and, preferably, used in combination with an all−terrain type of vehicle.



0) US2002040699A – MOTORCYCLE INTAKE STRUCTURE

49) Family number: 22319731 (US2002040699A) © PatBase

Title: Motorcycle intake structure

Priority: JP20000308397 20001006 JP20060135812 20060515

Family:

Publication number	Publication date	Application number	Application date
JP2002115612 A2	20020419	JP20000308397	20001006
JP2006273324 A2	20061012	JP20060135812	20060515
JP3829975 B2	20061004	JP20000308397	20001006
JP4459189 B2	20100428	JP20060135812	20060515
US2002040699 AA	20020411	US20010970918	20011005
US6688274 BB	20040210	US20010970918	20011005

Probable Assignee: HONDA GIKEN KOGYO KK

Assignee(s):(std)**:** HONDA MOTOR CO LTD ; YOKOYAMA KAZUHIKO ; YAMAMOTO SHOJI

Assignee(s): INOMOTO KEISUKE ; OKUMA TAKANORI ; HONDA GIKEN KOGYO K USHIKI KAISHA AB ; HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s):(std)**:** IMOTO KEISUKE ; INOMOTO KEISUKE ; OKUMA TAKANORI ; YAMAMOTO SHOJI ; YOKOYAMA KAZUHIKO

International class (IPC 8–9)**:** B62J1/12 B62J15/00 B62J23/00 B62J99/00 B62K11/04 B62M7/02 F02M35/02 F02M35/16 (Advanced/Invention) ; B62J1/00 B62J15/00 B62J23/00 B62J99/00 B62K11/00 B62M7/00 F02M35/00 F02M35/02 (Core/Invention)

International class (IPC 1–7)**:** B62J39/00 F02M35/04 F02M35/16

CPC: B62K11/04 B62M7/02 F02M35/02 F02M35/1017 F02M35/10196 F02M35/162

European class: B62K11/04 B62M7/02 F02M35/02 F02M35/10E12 F02M35/10E4 F02M35/16C

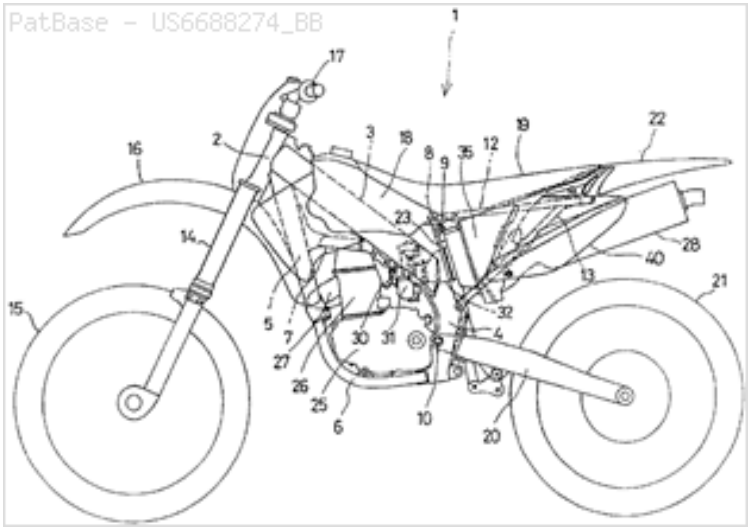
US class: 123/184.21 123/198E 180/219 55/385.3

Classification Explorer

Cited documents: US6409783 BA, US6306190 BA, US6290016 BA, US6283242 BA, US6251151 BA, US5609658 A, US4821685 A, US4648474 A, US4280582 A, US3698503 A, JP8198157, JP7151029, JP6299920, JP59113217 U, JP5321781, JP5238459, JP5221364, JP5221360, JP3193583 A2, JP3193583, JP2225188, JP165578, JP11165578 A2, JP1018927, JP10018927, JP08198157, JP07151029, JP06299920, JP05321781, JP05238459, JP05221364, JP05221360, JP03193583, JP02225188,

Forward Citations: US8944197, US7845450, US7438738, US7353902, US7316285, US6997967, US2013240276, US2009194353, US2006065456, US2005217633, US2005161271, US2004093839, TWI302134, JP5732293, JP2012206536, JP2011245972, EP2639443,

Abstract:
Source: US2002040699A In a motorcycle intake structure, an air cleaner is provided under a sheet and an intake passage is connected to an upper opening of the air cleaner. The intake passage is formed by the sheet, a rear fender and a side cover. An inlet port from the outside of the intake passage opens rearward in a upper rear portion of the side cover. This motorcycle intake structure forms a smooth intake airflow with reduced intake resistance and free from influence by dirt or other debris.



0) US5794976A – SAFETY SHIELD FOR ALL TERRAIN VEHICLES

50) Family number: 11086953 (US5794976A) © PatBase

Title: Safety shield for all terrain vehicles

Priority: US19950581241 19951229

Family:

Publication number	Publication date	Application number	Application date
US5794976 A	19980818	US19950581241	19951229

Probable Assignee: STEVICKS ROY A

Assignee(s): STEVICKS ROY A

Inventor(s):(std)**:** STEVICKS ROY A

International class (IPC 8–9)**:** B60Q1/00 B60R19/52 B62J27/00 B62K5/00 (Advanced/Invention)

International class (IPC 1–7)**:** B60R19/00 B60R3/00

CPC: B60Q1/0005 B60R19/52 B62J15/00 B62J17/00 B62J27/00 B62K5/01

European class: B60Q1/00 B60Q1/00A B60R19/52 B62J15/00 B62J17/00 B62J27/00 B62K5/01

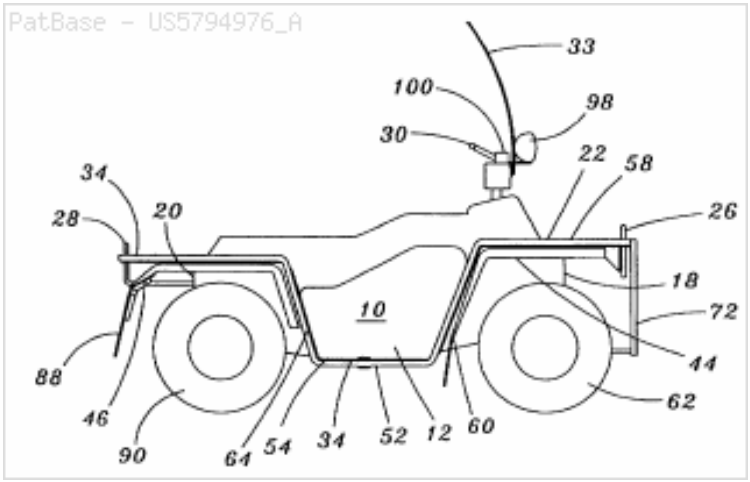
US class: 280/770 280/847 280/848 293/115 293/126

Classification Explorer

Cited documents: US5531478 A, US5509717 A, US5477209 A, US5277465 A, US5203601 A, US5174622 A, US5062675 A, US5036939 A, US4973082 A, US4950017 A, US4852900 A, US4813706 A, US4798399 A, US4728121 A, US4657294 A, US4655307 A, US4247030 A, US4176771 A, US4168855 A, US4102432 A, US3704031 A, US2906359 A, US1863475 A, US1749453 A, US1713405 A, US1517323 A, US1486660 A, US1457259 A, US1427763 A, US1290958 A, DE378344 A,

Forward Citations: USD690243, US9403570, US8668227, US8474847, US8342549, US8297394, US8196692, US8028781, US7967359, US7624835, US7607673, US7513545, US7506714, US7377549, US7325848, US7258192, US6755269, US6554306, US6505884, US6502863, US6460907, US6224134, US2015021883, US2010264636, US2009250282, US2008185864, US2008067825, US2007278026, US2007080548, US2005167179, US2004206568, CN104325851, CN103895714, CN103895714,

Abstract:
Source: US5794976A A protective assembly for all terrain vehicles comprising a front end protector dimensioned to protect substantially all of the front end. It also comprises side rails having front and back ends which are parallel to and spaced away from the sides of the all terrain vehicle which tubular side rails are shaped to receive and have mounted thereon auxiliary front and rear fenders. There is also present a debris deflecting running board. Optional features are rear wheel mud guards and a high intensity light mounted on the steering assembly and a flood light on the rear of the vehicle.



0) JP2011121510A – REAR LAMP OF MOTORCYCLE

51) Family number: 49107549 (JP2011121510A) © PatBase

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)**:** CHIHIKO SASAKI ; KOJI OKAMOTO ; MIYAMOTO SHIRO ; OKAMOTO KOJI ; SASAKI CHIHIKO ; SASAKI TOMOHIKO ; SHIRO MIYAMOTO ; YAMAGUCHI TAKAFUMI ; YAMAGUCHI YOSHIFUMI ; YOSHIFUMI YAMAGUCHI

Inventor(s): TAKAFUMI YAMAGUCHI ; TOMOHIKO SASAKI

Agent(s): JAIME EDUARDO DELGADO VILLEGAS

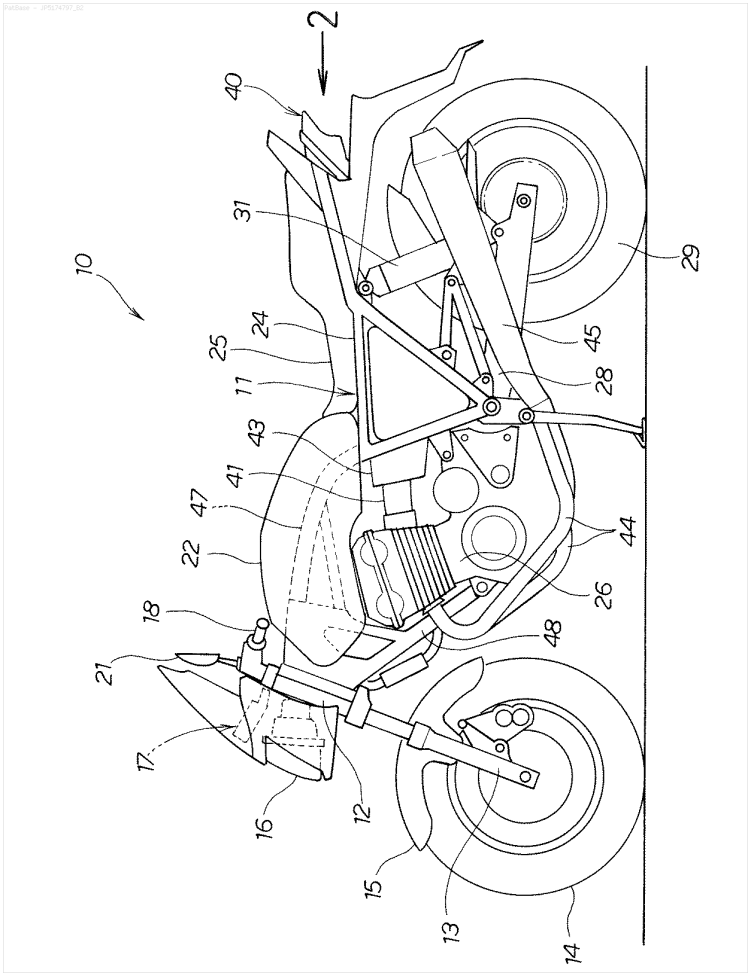
International class (IPC 8–9): B62J B62J6/00 B62J6/04 F21S8/10 F21V5/04 (Advanced/Invention) ; F21W101/14 F21Y101/02 (Advanced/Non–invention)

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) TWD150202S – ELECTRIC CAR (D) (MACHINE TRANSLATION)

52) Family number: 52407950 (TWD150202S)

© PatBase

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.

0) JP9328088A – SADDLE RIDE TYPE VEHICLE

53) Family number: 15059471 (JP9328088A) © PatBase

Title: SADDLE RIDE TYPE VEHICLE

Priority: JP19960170538 19960610

Family:

Publication number	Publication date	Application number	Application date
JP2963052 B1	19991012	JP19960170538	19960610
JP2963052 B2	19991012	JP19960170538	19960610
JP9328088 A2	19971222	JP19960170538	19960610

Probable Assignee: KAWASAKI HEAVY IND LTD

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KABUSHIKI KAISHA ; KAWASAKI JUKOGYO KK

Inventor(s):(std)**:** FUJIMOTO HIDEO ; TAKANO TAKAHITO

International class (IPC 8–9)**:** B62J11/00 B62J15/00 B62J99/00 B62K5/00 B62M7/02 (Advanced/Invention); B62J11/00 B62J15/00 B62J99/00 B62K5/00 B62M7/00 (Core/Invention)

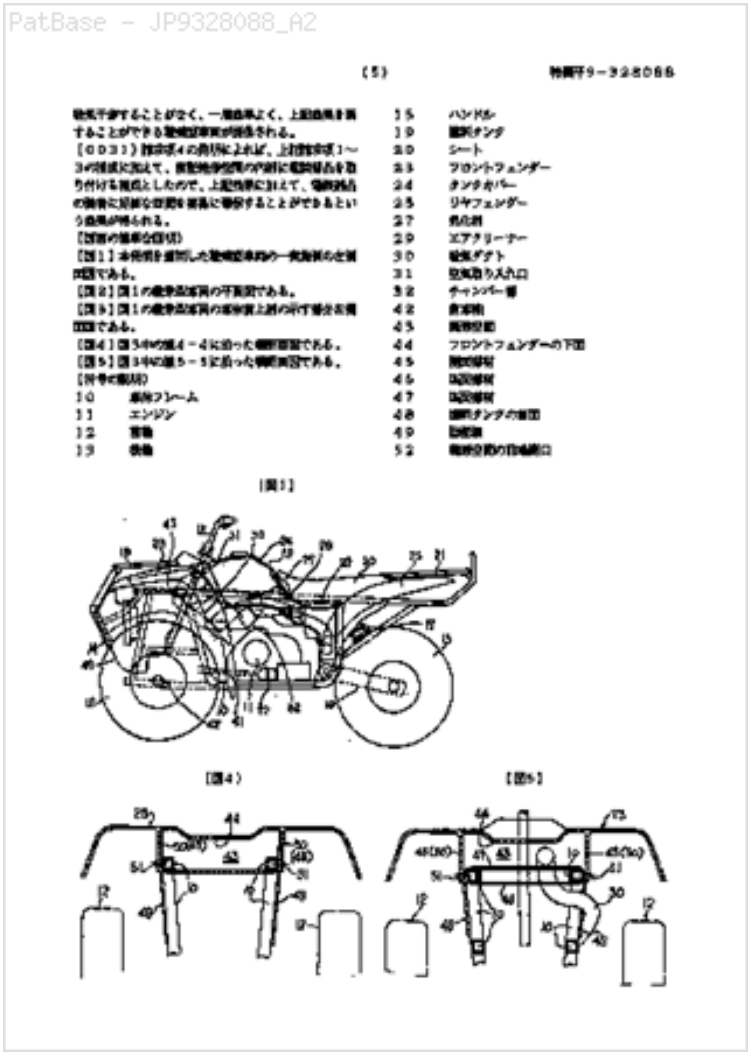
International class (IPC 1–7)**:** B62J11/00 B62J15/00 B62J39/00 B62K5/00 B62M7/02

Classification Explorer

Cited documents: JP62076790 U1, JP62076790 U, JP1208286 A2,

Forward Citations: US7810600, US7370625, US6786290, US6695083, JP4330899, JP2007009727, JP2006027425, JP2004243993,

Abstract:
Source: JP9328088A PROBLEM TO BE SOLVED: To introduce fresh air without changing a vehicle appearance by forming a box−like space opened toward a front side from a front wheel by using the lower surface of a front fender in an upper position between left and right front wheels and connecting a part item for introducing external air to this. SOLUTION: A front fender 23 is extended to the front more than front wheels and a bottom surface member 46 and a side face member 45 are extended to the front more than the axle of a front wheel 12. Accordingly, the front end opening 52 of a box−like space 43 formed in the front end of the side face member is formed in a position in front of the front axle. The box−like space 43 formed in the upper position of the front wheel 12 by using the lower surface of the front fender 23 is used as a space for disposing the air taking−in port of an external air introducing means. That is, the box−like space 43 is a space existing in the front upper side of a car body and opened toward the front more than the front axle and thus always fresh air is introduced without the incursion of mud or dust raised by the axle.



0) FR2347251A – CABINE DE CONDUITE POUR VEHICULES, EN PARTICULI...

54) Family number: 2095217 (FR2347251A) © PatBase

Title: CABINE DE CONDUITE POUR VEHICULES, EN PARTICULIER TRACTEURS, ENGINS DE CHANTIER ET VEHICULES ANALOGUES DRIVING CAB FOR AGRICULTURAL TRACTOR – HAS BASE ADDITIONALLY STABILISED BY CROSS MEMBER TO TRANSFER IMPACT ENERGY

Priority: DE19762615361 19760408

Family:

Publication number	Publication date	Application number	Application date
DE2615361 A1	19771020	DE19762615361	19760408
DE2615361 C2	19820923	DE19762615361	19760408
FR2347251 A1	19771104	FR19770008811	19770324
FR2347251 B1	19810417	FR19770008811	19770324

Probable Assignee: INT HARVESTER CO

Assignee(s):(std)**:** INT HARVESTER CO

Assignee(s): INT HARVESTER CY ; INTERNATIONAL HARVESTER COMPANY MBH ; INTERNATIONAL HARVESTER COMPANY MBH 4040 NEUSS DE ; INTERNATIONAL HARVESTER CY

Inventor(s):(std)**:** GLUMM HORST ; LARGHI MAX

Inventor(s): LARGHI MAX 4053 JUECHEN DE ; MAX LARGHI ET HORST GLUMM ; GLUMM HORST 5600 WUPPERTAL DE

International class (IPC 8–9): B61C17/04 B62D33/06 (Advanced/Invention); B61C17/00 B62D33/06 (Core/Invention)

International class (IPC 1–7): B60R21/02 B62D25/06 B62D33/06 B62D49/00 E02F9/16

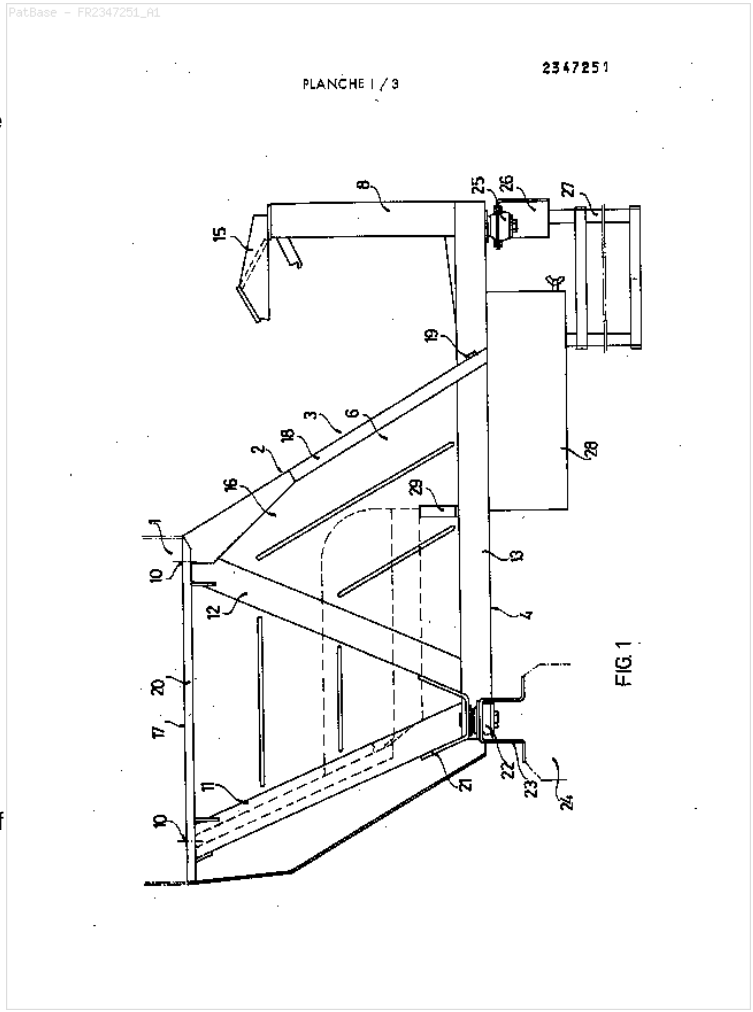
CPC: B61C17/04 B62D33/0604

European class: B61C17/04 B62D33/06C

Classification Explorer

Cited documents: US3834754, US3508784, FR2281261, FR1443809, FR1219351, DE2002968,

Abstract:
Source: FR2347251A (Claim 1) 1. Cabine de conduite pour vehicules, en particulier pour tracteurs, engins de chantier et vehicules analogues, comportant un element inferieur de cabine separe d'un element superieur et comprenant une plate–forme en forme de cuvette constituee d'un fond, d'une paroi avant, d'une paroi arriere et de deux parois laterales et munie de profiles porteurs disposes a peu pres en V le long des parois laterales, une aile avant et des elements recouvrant les roues et constitues de garde–boue qui sont fixes de facon demontable, lequel element inferieur s'appuie elastiquement sur le chassis ou l'infrastructure du vehicule avec interposition d'organes amortisseurs, caracterisee en ce qu'a leurs extremites inferieures, les profiles porteurs (11, 12) sont fixes chacun a l'extremite arriere de longerons (13) qui s'etendent sur les deux cotes longitudinaux du chassis ou de l'infrastructure du vehicule en s'appuyant sur ce chassis ou cette infrastructure par l'intermediaire des organes amortisseurs (22, 25); en ce qu'un support de direction (8) recevant les organes de manoeuvre du vehicule est fixe aux extremites avant de ces longerons (13) et que l'aile avant– (18), agencee en element porteur, est fixee entre les points par lesquels le support de direction (8) et les profiles porteurs (11, 12) sont fixes aux longerons (13). The driving cab consists of an upper and a lower section. The lower section has a trough shaped base, two identical side panels and a front and a rear end. The rear end is inclined and carries a window. The side panels consist mainly of two profiled bearers running towards each other and welded to the longitudinal bearers. The longitudinal bearers are supported at the rear end by flexible elements and a bearing block. The front bearers are similarly mounted on the tractor sub frame. The leading wheel arch section is formed as a bearing part. The distance between the fixing point on the longitudinal bearer and the fixing point of the inner profiled bearer corresponds to the distance between the fixing points between the upper and lower cab sections.



0) USD530243S – MOTORCYCLE

55) Family number: 33504427 (USD530243S) © PatBase

Title: MOTORCYCLE

Priority: TW20050306757F 20051108 US20050244773F 20051213

Family:

Publication number	Publication date	Application number	Application date
TWD113028 S1	20060921	TW20050306757F	20051108
USD530243 S1	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

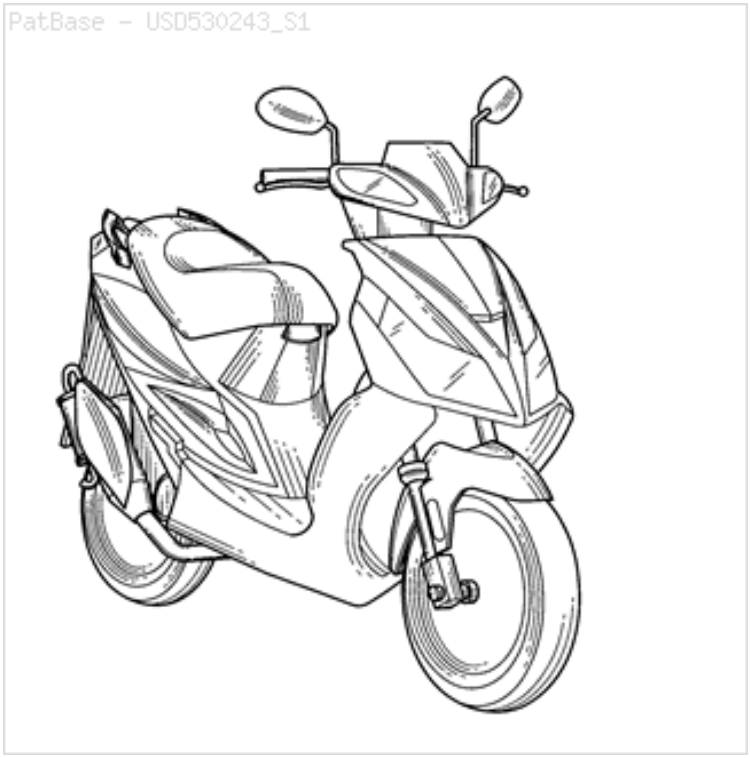
Locarno class: 12/11

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

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) JP2013199137A – REAR FENDER STRUCTURE OF SADDLE–RIDE TYPE VEHIC...

56) Family number: 55012894 (JP2013199137A) © PatBase

Title: REAR FENDER STRUCTURE OF SADDLE–RIDE TYPE VEHICLE

Priority: JP20120066954 20120323

Family:

Publication number	Publication date	Application number	Application date
JP2013199137 A2	20131003	JP20120066954	20120323
JP5953082 B2	20160713	JP20120066954	20120323

Probable Assignee: KAWASAKI HEAVY IND LTD

Assignee(s):(std)**:** KAWASAKI HEAVY IND LTD

Assignee(s): KAWASAKI JUKOGYO KK

Inventor(s):(std)**:** IWATA SHIGEYUKI ; KOYANAGI KIICHI

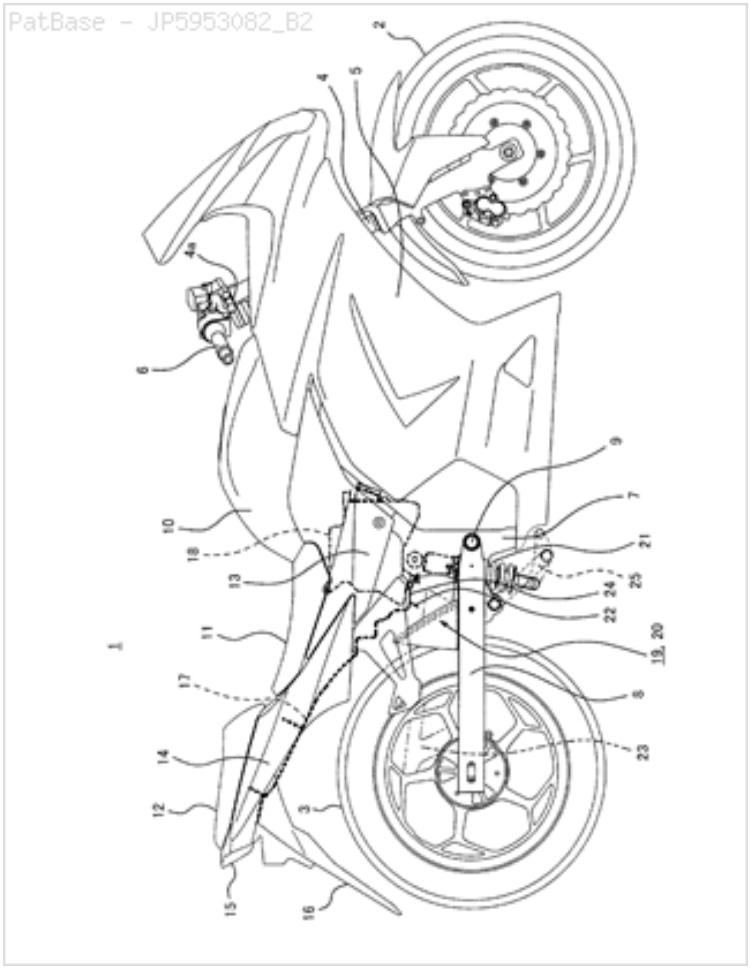
Agent(s): PATENT CORPORATE BODY ARCO PATENT OFFICE

International class (IPC 8–9): B62J15/00 (Advanced/Invention)

Classification Explorer

Cited documents: JP2010070072 A2, JP2001071961 A2, JP11278336 A2, JP11278336,

Abstract:
Source: JP2013199137A PROBLEM TO BE SOLVED: To prevent mud water from splashing to a vehicle accessory in a wide area which is provided in front of a movable rear fender even if the movable rear fender is reduced in size, and to visually appeal a lightness by emphasizing an image of a rear wheel rotation.SOLUTION: A rear fender structure 19 of a saddle–ride type vehicle for preventing mud water splashing from a rear wheel 3 of a motorcycle to a vehicle accessory 21 includes a fixed rear fender 17 provided to a body frame side of the motorcycle, a water shielding convex part 22 which is a front part of the fixed rear fender 17 and projects downward from a lower face at a position behind the vehicle accessory 21, and a movable rear fender 20 that is provided to a rear swing arm 8 by being arranged between the rear wheel 3 and the vehicle accessory 21 and is formed to extend in a direction along a part of an outer circumferential surface of the rear wheel 3.



0) JP2009161014A – SADDLE–RIDING TYPE VEHICLE

57) Family number: 43525716 (JP2009161014A) © PatBase

Title: SADDLE–RIDING TYPE VEHICLE

Priority: JP20070341401 20071228

Family:

Publication number	Publication date	Application number	Application date
CN101468697 A	20090701	CN200810189171	20081229
CN101468697 B	20130306	CN200810189171	20081229
JP2009161014 A2	20090723	JP20070341401	20071228
TW200933020 A	20090801	TW20080141661	20081029
TWI385304 B	20130211	TW20080141661	20081029

Probable Assignee: YAMAHA MOTOR CO LTD

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

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

Inventor(s):(std)**:** IGARASHI TAKESHI ; TAKESHI IGARASHI

Agent(s): HARUKA PATENT AND TRADEMARK ATTORNEYS

International class (IPC 8–9)**:** B62J1/12 B62J15/00 B62J99/00 B62K19/30 F02M35/10 F02M35/16 (Advanced/Invention); B62J1/00 B62J15/00 B62J99/00 F02M35/00 (Core/Invention); F02M35/10 (Core/Non–invention)

Classification Explorer

Cited documents: TWI253424 B, TW438695 B, JP200588661, JP2005088661 A2, JP2003182674 A2, CN1196621 C, CN1154593 C,

Forward Citations: JP5960432, JP2016137872, JP2013136312,

Abstract:
Source: JP2009161014A PROBLEM TO BE SOLVED: To provide a saddle−riding type vehicle capable of preventing infiltration of water droplets and the like into an air cleaner without degrading intake efficiency. SOLUTION: A bottom plate portion 31 disposed on a back surface side of a seat and a top face portion 40c of a rear fender 40 are provided with an opposed wall portion 44, a side wall portion 45, a front wall portion 34, and a side wall portion 35 standing on the side of the air cleaner 50. The bottom plate portion 31 is provided, at an intermediate position, with an inclined portion 31c which is inclined obliquely upward such that the rear side becomes higher than the front side; the air cleaner 50 is arranged below the inclined portion 31c such that its inlet port 51 is opened; and the opposed wall portion 44, the side wall portion 45, the front wall portion 34, and the side wall portion 35 are located ahead and beside the inlet port 51, surrounding the inlet port 51 together with the inclined portion 31c and the top face portion 40c.

PatBase – TW200933020_A

200933020

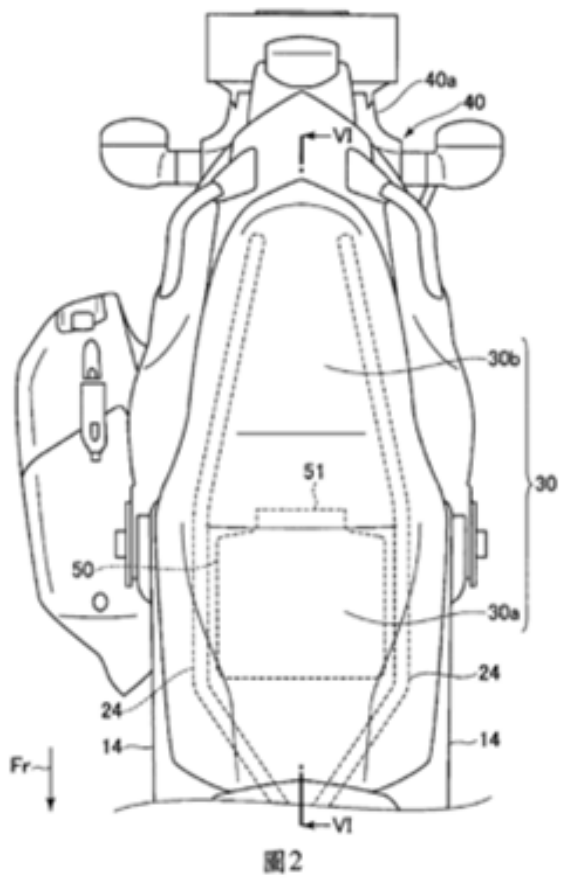


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0) JP1190591A – FENDER DEVICE SUPPORT STRUCTURE FOR SADDLE TYPE...

58) Family number: 10461091 (JP1190591A)

© PatBase

Title: FENDER DEVICE SUPPORT STRUCTURE FOR SADDLE TYPE VEHICLE

Priority: JP19880014566 19880127

Family:

Publication number	Publication date	Application number	Application date
JP1190591 A2	19890731	JP19880014566	19880127
JP2586543 B2	19970305	JP19880014566	19880127

Probable Assignee: SUZUKI MOTOR CO

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

Assignee(s): SUZUKI MOTOR CO LTD ; SUZUKI CO LTD

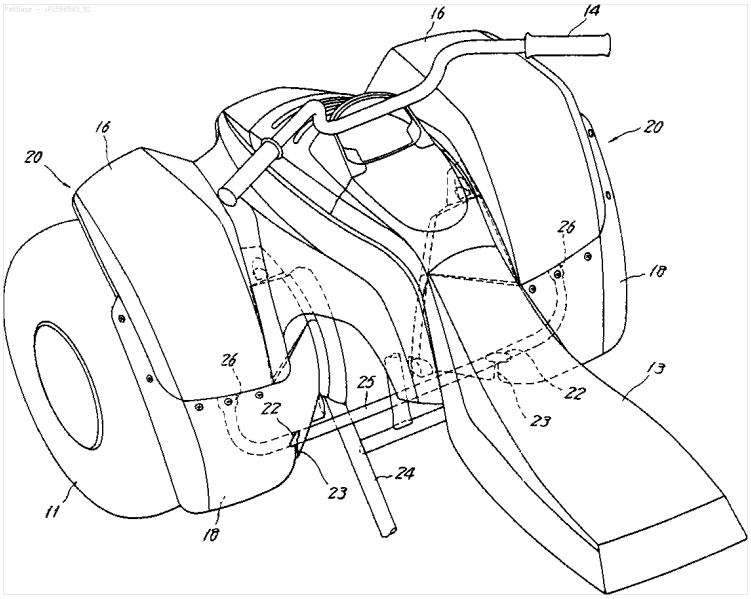
Inventor(s):(std)**:** NAKAJIMA SHINJI

International class (IPC 8–9): B62J15/02 B62J15/04 (Advanced/Invention); B62J15/00 (Core/Invention)

International class (IPC 1–7): B62J15/02 B62J15/04

Classification Explorer

Abstract:
Source: JP1190591A PURPOSE: To make a brace in a simple shape and realize its lightness by forming through boles to mud flaps mounted to fender main bodies, and piercedly arranging a brace fixed to a body frame and supporting a fender device from the inside. CONSTITUTION: In a saddle type four–wheel vehicle suitable for traveling on wasteland or muddy land and the like, front wheels 11 are covered with front fender main bodies 16, mud flaps 18 are attached to the bodies 16, and the flying of muddy water and the like to rider's feet arts or an engine and the like is prevented. In this case, through holes 22 are formed at the lower parts of the flaps 18, and slits 23 downward opened are provided at the lower parts of the holes 22. And a front fender brace 25, fixed to the frame 24 of the saddle type vehicle and extending to the right and left directions of the vehicle, is arranged so as to be passed in the holes 22 from the slits 23. This enables the brace 25 to light with complicated flexure forming of the brace 25 unrequired.



0) US6290016B – AIR CLEANER

59) Family number: 13777795 (US6290016B) © PatBase

Title: Air cleaner

Priority: JP19990090971 19990331

Family:

Publication number	Publication date	Application number	Application date
JP2000282982 A2	20001010	JP19990090971	19990331
US6290016 BA	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

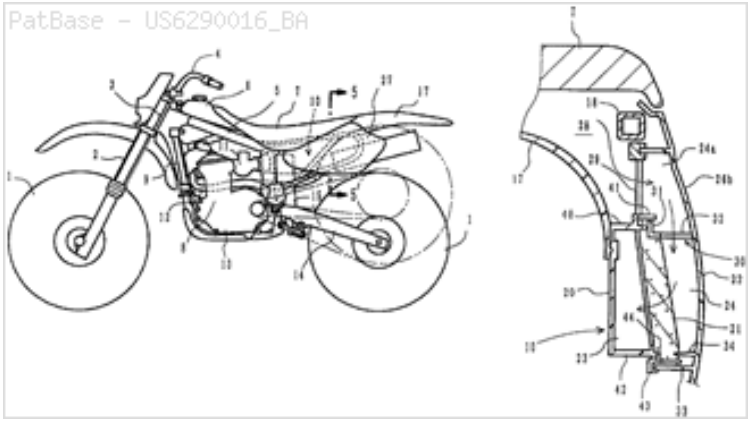
US class: 123/198.00E 123/198E 180/219

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.



0) FR2784059A – AIR CLEANING DEVICE FOR TWO–WHEELED MOTOR VEHIC...

60) Family number: 13790199 (FR2784059A) © PatBase

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... ; HONDA GIRKN KOGYO KABUSHIKI KAISHA HONDA MOTOR CO LTD ; 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

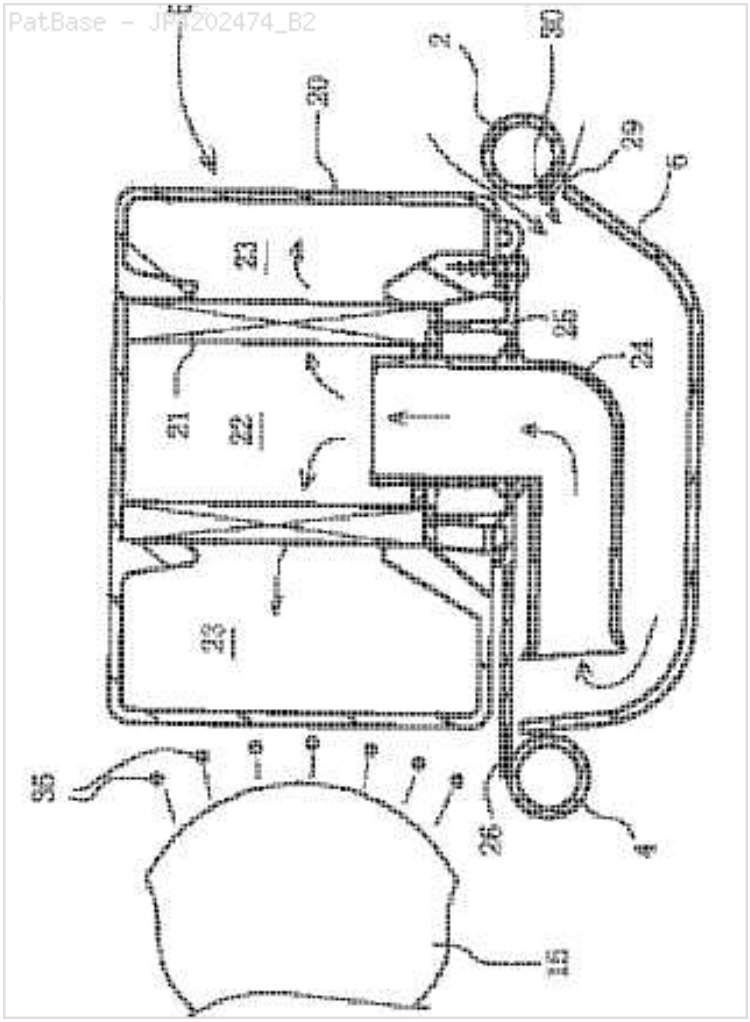
CPC: B62K11/04 F02M35/02 F02M35/162

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) JP10114283A – WORKING VEHICLE

61) Family number: 15213770 (JP10114283A) © PatBase

Title:	WORKING VEHICLE
Priority:	JP19960269483 19961011

Family:

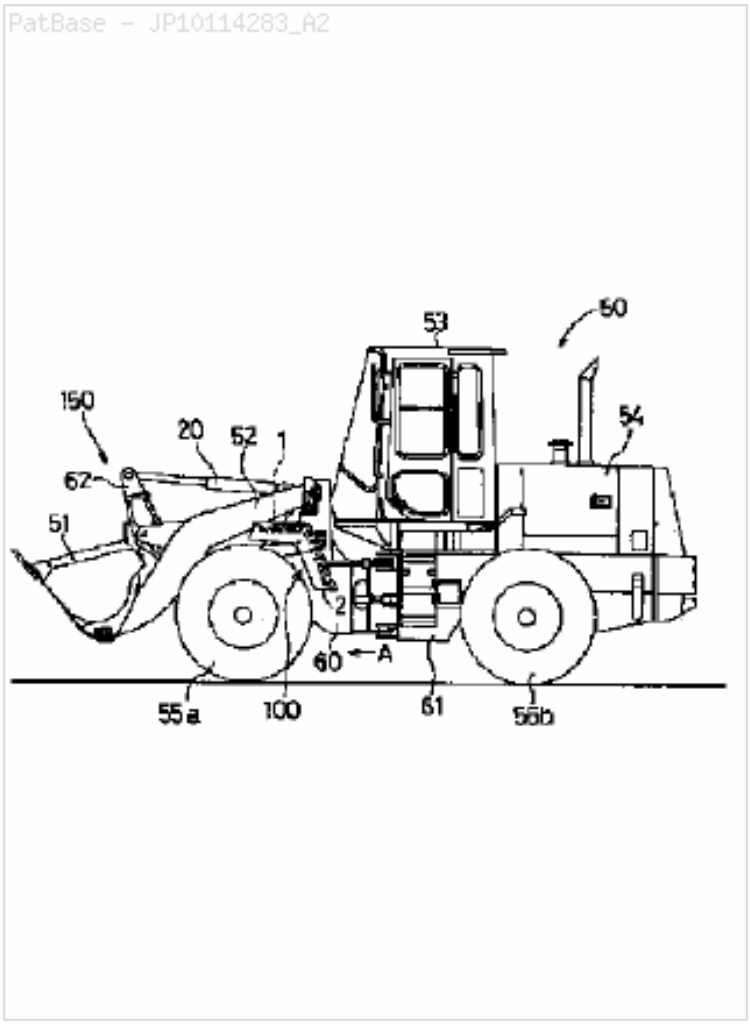
Publication number	Publication date	Application number	Application date
JP10114283 A2	19980506	JP19960269483	19961011

Probable Assignee:	HITACHI CONSTRUCTION MACHINERY
Assignee(s):(std)**:**	HITACHI CONSTRUCTION MACHINERY
Assignee(s):	HITACHI CONSTR MACH CO LTD
Inventor(s):(std)**:**	MURAHASHI TAKAYOSHI
International class (IPC 8–9)**:**	B62D25/16 (Advanced/Invention); B62D25/16 (Core/Invention)
International class (IPC 1–7)**:**	B62D25/16

Classification Explorer

Forward Citations: JP2010120482,

Abstract:
Source: JP10114283A PROBLEM TO BE SOLVED: To ensure wheel visibility in preventing slipping and prevent mud splashing sufficiently when consideration for slipping prevention is unnecessary. SOLUTION: A wheel loader 50 is provided with a wheel unit 55 consisting of front wheels 55a and rear wheels 55b, a front frame 60 and a rear frame 61 which form a vehicle body driven by the wheel unit 55, a fender 100 which is formed onto the front frame 60 and prevents mud splashing by the front wheel 55a, a working machine 150 provided onto the front frame 60, a driver's seat 53 provided onto the rear frame 61, and an engine room 54 provided behind the driver's seat 53 of the rear frame 61. The fender 100 is provided with a fixed part 1 fixed onto the front frame 60, and a movable part 2 which is overhung in the transverse direction against the fixed part 1 and connected so as to be retracted freely.



0) JP2016041529A – ATTACHMENT STRUCTURE OF ELECTRIC COMPONENT OF S...

62) Family number: 62112530 (JP2016041529A)

© PatBase

Title: ATTACHMENT STRUCTURE OF ELECTRIC COMPONENT OF SADDLE−RIDING TYPE VEHICLE

Priority: JP20140165728 20140818

Family:

Publication number	Publication date	Application number	Application date
JP2016041529 A2	20160331	JP20140165728	20140818

Probable Assignee: SUZUKI MOTOR CORP

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

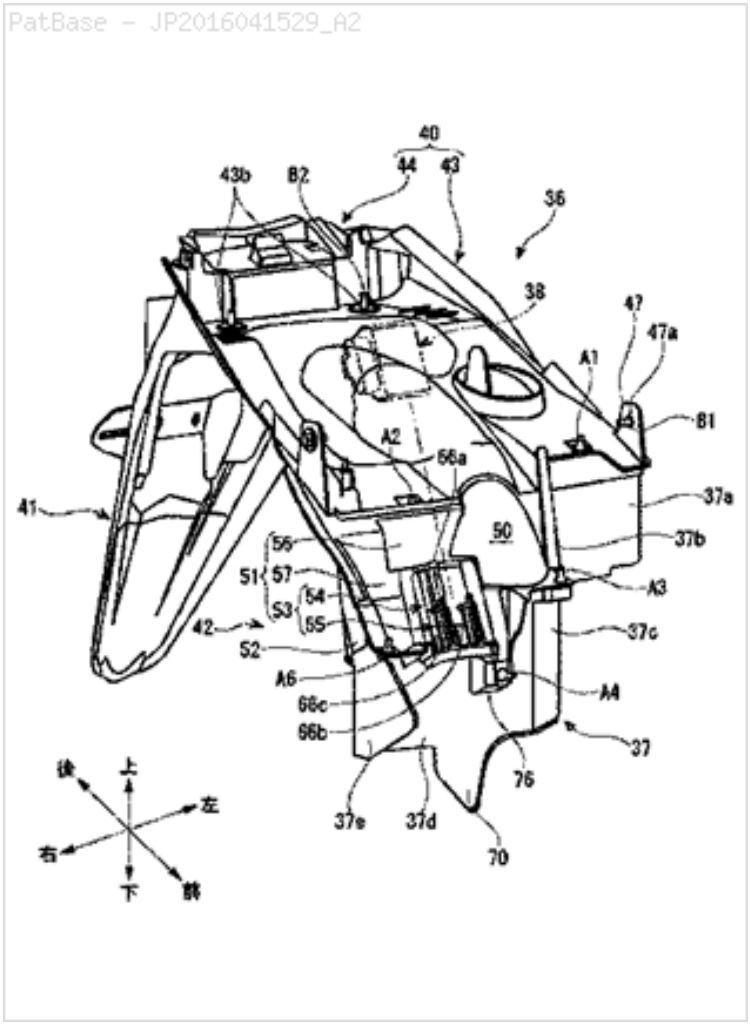
Assignee(s): SUZUKI KK

Inventor(s):(std)**:** MASUDA TAKANOBU

International class (IPC 8–9): B62J11/00 B62J15/00 B62J15/04 B62J99/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: JP2016041529A PROBLEM TO BE SOLVED: To provide an attachment structure of an electric component of a saddle−riding type vehicle which easily makes the electric component waterproof in a proper manner with low costs.SOLUTION: An attachment structure of an ECU 38 of a motor cycle 1 of the invention includes: a rear fender 36 covering an upper side of a rear wheel 27; a mud guard 37 which suspends from the rear fender 36 at a front side of the rear wheel 27; and the ECU 38 detachably attached to an attachment part 53 formed in a fender front side portion 42 positioned at a front side of the mud guard 37. The attachment part 53 includes: a contact surface part 54 supporting a rear surface of the ECU 38; and a holding part 53 holding the ECU 38 supported by the contact surface part 54. The mud guard 37 is formed so as to close through holes 66a, 66b, 66c opened when the holding part 55 is molded.SELECTED DRAWING: Figure 8



0) DE202008008591U1 – FAHRRAD–SCHMUTZFAENGER

63) Family number: 42196337 (DE202008008591U1) © PatBase

Title: Fahrrad–Schmutzfaenger

Priority: JP20070004934 20070628 JP20070004934U 20070628

Family:

Publication number	Publication date	Application number	Application date
CN201201672 Y	20090304	CN200720311775U	20071225
DE202008008591 U1	20081016	DE200820008591U	20080626
JP3135272 U	20070906	JP20070004934U	20070628
TWM344202 Y	20081111	TW20070219693U	20071121

Probable Assignee: SHIMANO KK

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Assignee(s): SHIMANO INC

Inventor(s):(std)**:** ITEYA YOSHIHIDE ; KICHIHIDE ITEYA

Inventor(s): ITEYA KICHIHIDE

International class(IPC 8–9)**:** B21D53/88 B60Q1/30 B62J15/00 B62J15/02 B62J15/04 B62J6/04 B62J6/20 (Advanced/Invention); B62J15/00 B62J6/00 (Core/Invention)

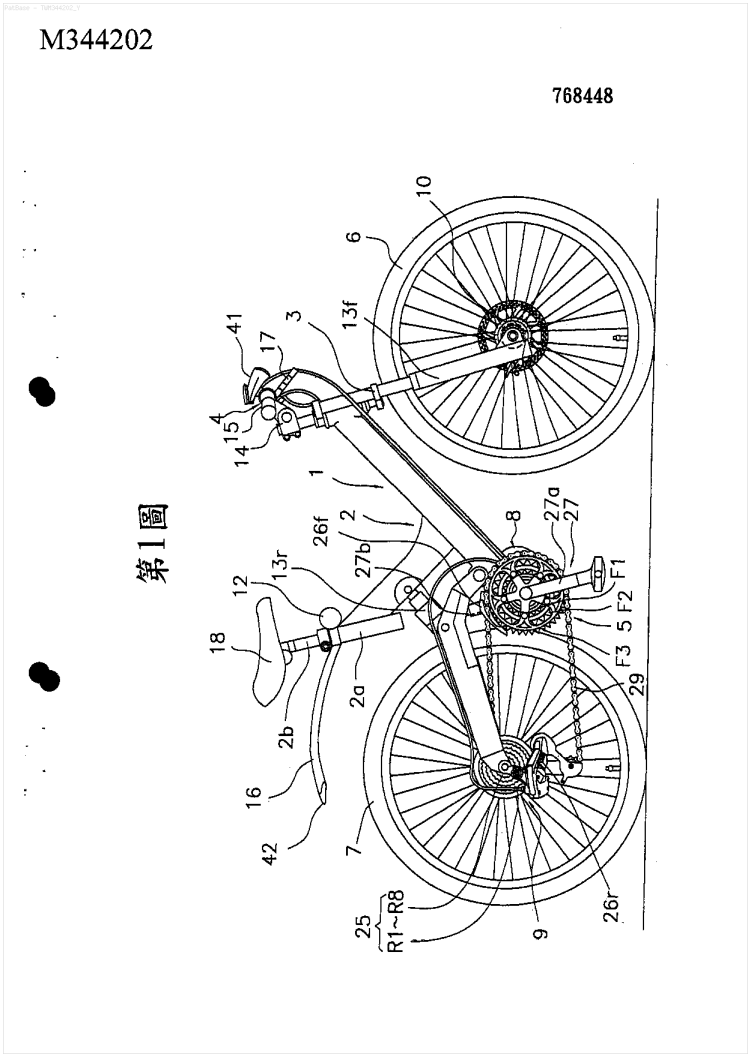
CPC: B62J6/04 B62J15/00

European class: B62J15/00 B62J6/04

Classification Explorer

Forward Citations: TWI391277, NL1038069, DE102009055875, CN103481979,

Abstract:
Source: DE202008008591U1 (Claim 1) 1. An einem Fahrrad montierbarer Schmutzfaenger, umfassend: einen an/von einem Rahmen des Fahrrades befestigbaren/abnehmbaren Montageteil; einen Schmutzfaenger−Hauptkoerper, der sich ausgehend von oder distal von dem Montageteil erstreckt; und ein Ruecklicht mit einer Lichtquelle eingebaut in einem End− bzw. Teilbereich des Schmutzfaenger−Hauptkoerpers



0) JP2012046015A – KEY CYLINDER ARRANGEMENT STRUCTURE FOR MOTORCYC...

64) Family number: 50823195 (JP2012046015A) © PatBase

Title: KEY CYLINDER ARRANGEMENT STRUCTURE FOR MOTORCYCLE

Priority: JP20100188774 20100825

Family:

Publication number	Publication date	Application number	Application date
JP2012046015 A2	20120308	JP20100188774	20100825
JP5521896 B2	20140618	JP20100188774	20100825

Probable Assignee: SUZUKI MOTOR CORP

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

Assignee(s): SUZUKI KABUSHIKI KAISHA ; SUZUKI KK

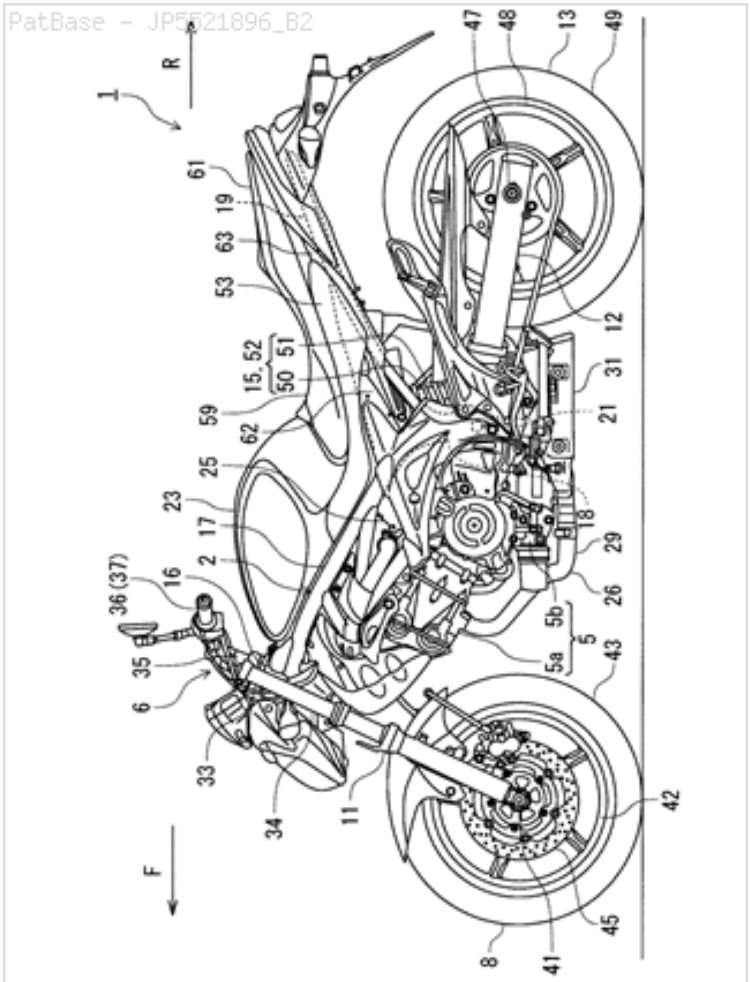
Inventor(s):(std)**:** NAGANO TSUYOSHI ; SHIMIZU MASAO

International class(IPC 8–9)**:** B62J1/12 B62J15/00 B62J9/00 E05B17/00 E05B65/12 E05B77/34 E05B83/00 E05B83/18 E05B85/06 E05B9/08 (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 real 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) US5716070A – BACK SPLASH

65) Family number: 10650708 (US5716070A) © PatBase

Title: Back splash

Priority: US19960621663 19960326

Family:

Publication number	Publication date	Application number	Application date
US5716070 A	19980210	US19960621663	19960326

Probable Assignee: PEARSON DOUGLAS W

Assignee(s): PEARSON DOUGLAS W

Inventor(s):(std)**:** PEARSON DOUGLAS W

International class (IPC 8–9): B62J15/02 (Advanced/Invention)

International class (IPC 1–7): B62J15/02

CPC: B62J15/02

European class: B62J15/02

US class: 280/152.1 280/852

Classification Explorer

Cited documents: US896580 A, US5562296 A, US5322311 A, US5120073 A, US5080431 A, US4171145 A, US3537746 A, US2590664 A, DE400581 A,

Forward Citations: USD642969, US8857084, US8246062, US8172246, US7997601, US6367832, US5918904, US2010140896, US2005006873, CN103407522, CN103407522,

Abstract:
Source: US5716070A A retractable bike fender or cover that will extend over the rear or front tire of a bicycle during inclement weather or riding conditions. The cover is mounted on a reel behind the seat and can be pulled out to cover the tire. The cover is attached to a support structure that can be mounted on the bicycle frame. The support structure can be at a fixed or adjustable height above the tire. In addition, the reel can be spring biased to retract the cover or the reel can be non–spring biased so the cover can be manually retracted.

