

Search history

Search 1: SFT=(rear 1w arm and straddled 1w vehicle) and IC=(b62k) (Results 18)

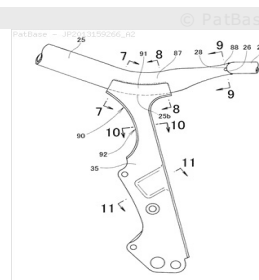
1) Family number: 53271464 (JP2013159266A)

MOTORCYCLE

Abstract: Source: JP2013159266A PROBLEM TO BE SOLVED: To provide a technology for providing a vehicle body frame with an appropriate deflection by dispersing a load input on a junction part between a pivot frame and a main frame. SOLUTION: A motorcycle includes a main frame 25 extending to the backside of a vehicle from a head pipe, and a pivot frame 35 that is joined to the main frame 25 to support a rear arm 30 for swinging. The main frame 25 is a mono frame and has a circular cross section. It extends as far as the backside of the vehicle beyond the pivot frame 35. The pivot frame 35 includes a T-like part 90 which has almost T shape when viewed from the side of the vehicle. An upper part of the T-like part 90 is welded along a longitudinal axial direction of the main frame 25.

Probable Assignee: HONDA MOTOR CO LTD

Earliest Publication Date: 20130814



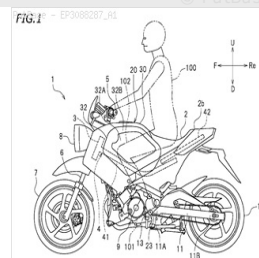
2) Family number: 63907298 (EP3088287B1)

GRAETSCHSITZFahrzeug STRADDLED VEHICLE

Abstract: Source: EP3088287A1 A storage compartment (20) of a straddled vehicle (1) comprising a storage box (30), which comprises a storage space provided therein and an opening provided in at least one lateral side thereof and communicating with the storage space, and a side cover (32) attached to the storage box (30) and configured to be capable of opening and closing the opening. The side cover (32) comprises a protruding portion (32B) provided in at least a portion of an outer peripheral portion of the side cover (32) as viewed from a side view of the vehicle and protruding in a vehicle width direction, and a recessed portion (32A) provided in a central portion thereof surrounded by the outer peripheral portion and recessed in a vehicle width direction relative to the protruding portion (32B).

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20161102



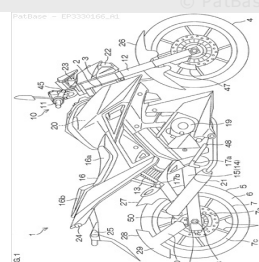
3) Family number: 69990948 (EP3330166A1)

GRAETSCHSITZFahrzeug STRADDLED VEHICLE

Abstract: Source: EP3330166A1 A straddled vehicle includes a supported body mounted on a bracket 41 of a swingarm 14, a chain adjuster 34 that is configured to adjust drive chain tension, and a sensor bolt B2 that is configured to fasten a wheel speed sensor 58 of an ABS to a holder 61. When a rear axle shaft 8 is in an overlapping position, the bracket 41 overlaps with at least a portion of the head portion B2h of the sensor bolt B2, and when the rear axle shaft 8 is in a non-overlapping position, the bracket 41 does not overlap with any portion of the head portion B2h of the sensor bolt B2.

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20180606



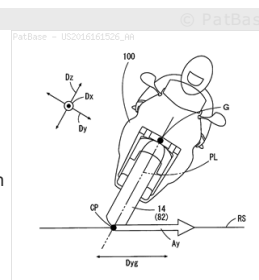
4) Family number: 60612832 (US2016161526A)

LATERAL FORCE ESTIMATION SYSTEM, METHOD OF ESTIMATING LATERAL FORCE AND VEHICLE

Abstract: Source: US2016161526A A ground surface position lateral acceleration calculator calculates ground surface position lateral acceleration based on lateral acceleration detected by an acceleration sensor, a yaw rate and a roll rate detected by a gyro sensor, yaw angular acceleration and roll angular acceleration calculated by an angular acceleration calculator, a roll angle calculated by a roll angle calculator, and specification information stored in a storage. A vehicle lateral force calculator calculates a vehicle lateral force based on the roll angular acceleration calculated by the angular acceleration calculator, the roll angle calculated by the roll angle calculator, the ground surface position lateral acceleration calculated by the ground surface position lateral acceleration calculator and the specification information stored in the storage.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20151022



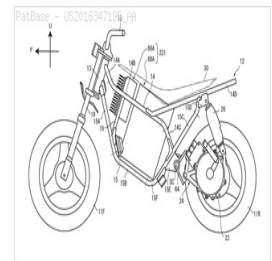
5) Family number: 64147220 (US2016347199A)

STRADDLED ELECTRIC VEHICLE

Abstract: Source: US2016347199A A battery with increased capacity is provided in a straddled electric vehicle including a drive unit provided on a rear arm for supporting a rear wheel such that the rear wheel is rotatable. A power supply unit is located in a vehicle body frame to supply electric power to the drive unit. The drive unit includes a motor that overlaps the rear wheel in a side view of the vehicle. The power supply unit includes a battery and a controller. The controller supplies electric power stored in the battery to the drive unit. The vehicle body frame includes a head pipe and a pivot shaft. The pivot shaft supports the rear arm such that it is swingable. The power supply unit is located between the head pipe and pivot shaft in a side view of the vehicle.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20161130



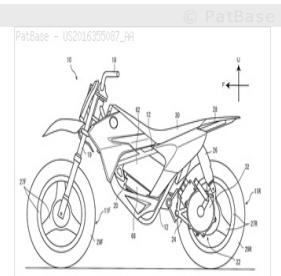
6) Family number: 64272636 (US2016355087A)

STRADDLED ELECTRIC VEHICLE

Abstract: Source: US2016355087A A straddled electric vehicle includes a power transmission mechanism that transmits driving power from a motor to a rear wheel. The power transmission mechanism includes a rear wheel shaft including spline grooves on its shaft surface, the spline grooves being inclined relative to an axial direction, a second gear including spline grooves engageable with the spline grooves, the second gear being capable of exchanging a rotating force with the rear wheel shaft, and an elastic member capable of biasing the second gear attached to the rear wheel shaft to the right. The spline grooves are inclined so as to move the second gear to the left when the rear wheel is rotating in the direction causing the straddled electric vehicle to advance and the second gear works to maintain the speed of rotation of the rear wheel as the speed of rotation is decreasing.

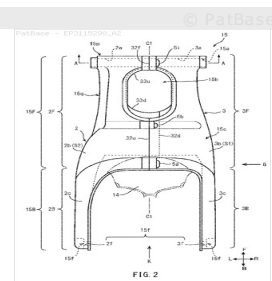
Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20161207



7) Family number: 64617639 (EP3115290A3)

HINTERRADSCHWINGE, GRAETSCHSITZFahrZEUG UND HERSTELLUNGSVERFAHREN REAR ARM, STRADDLED VEHICLE AND MANUFACTURE METHOD



Abstract: Source: EP3115290A3 A rear arm (15) comprises a right arm (3), a left arm (2) and fastening members (5a to 5j). The right arm (3) is produced by integrally casting a front right portion (3F) and a rear right portion (3B). The left arm (2) is produced by integrally casting a front left portion (2F) and a rear left portion (2B). The front right portion (3F) of the rear arm (3) and the front left portion (2F) of the left arm (2) are joined by the fastening members (5). A support boss for supporting one end of a rear suspension is integrally formed on only one of the right arm (3) and the left arm (2). Thus, the right and left arms (3,2) produced by die casting can be easily joined without welding, and still sufficient stiffness is ensured.

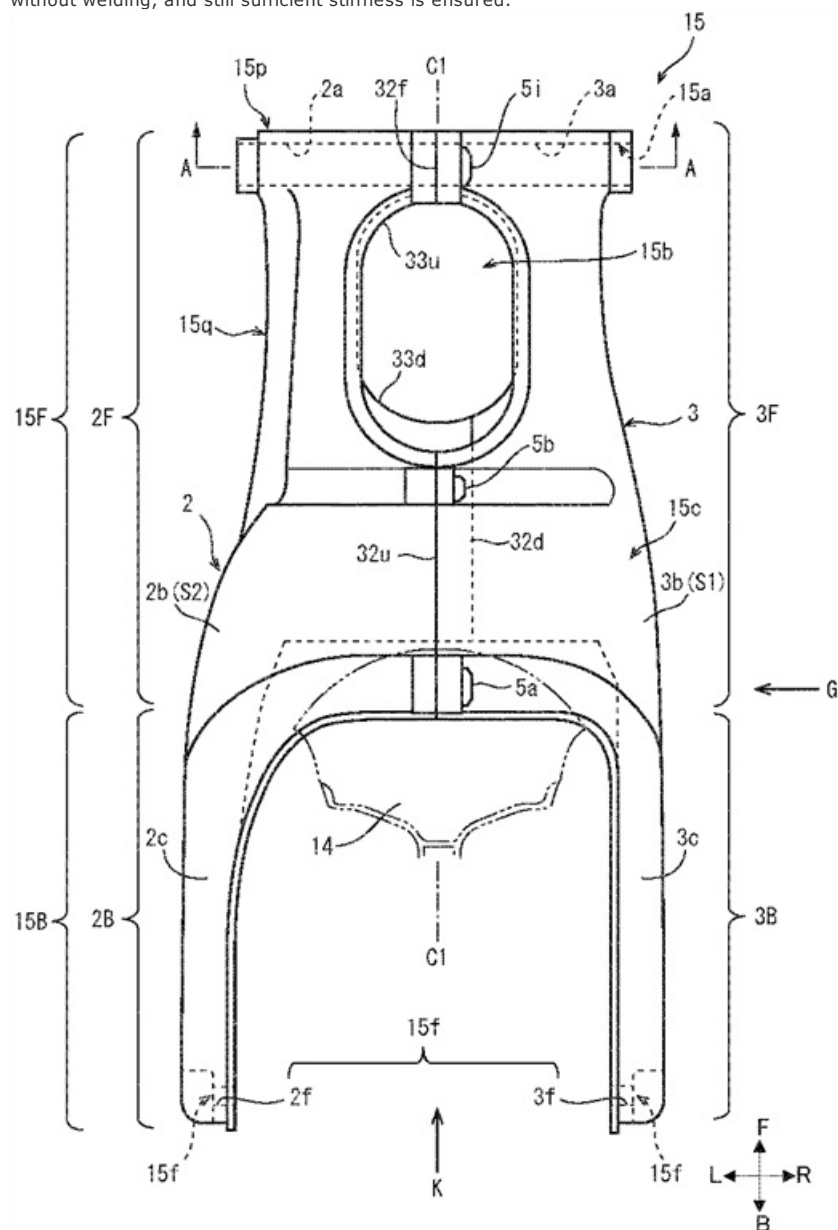


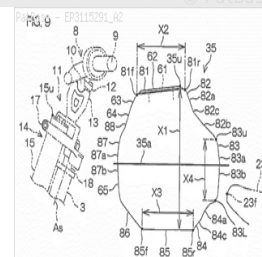
FIG. 2

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20170111

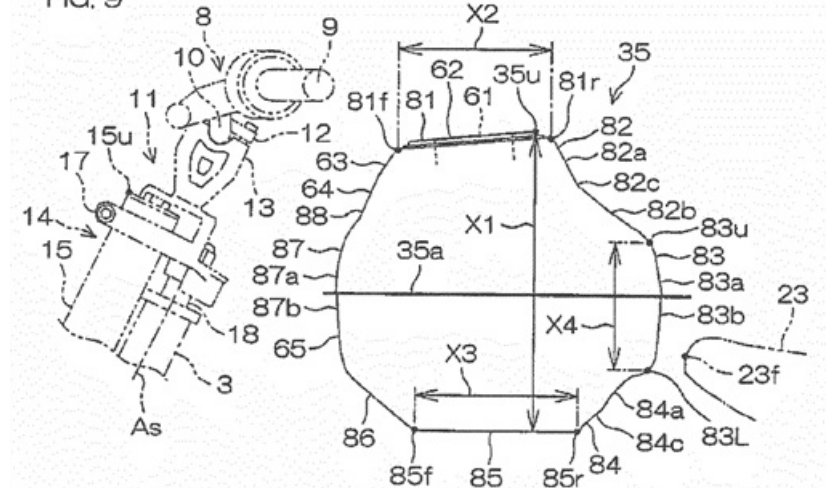
8) Family number: 64617640 (EP3115291A3)

GRAETSCHSITZFahrzeug STRADDLED VEHICLE



Abstract: Source: EP3115291A3 A dimension (X1) in a vehicle up-down direction from an upper edge portion (81) of a fuel tank (35) to a lower edge portion (85) of the fuel tank (35) is greater than a dimension (X2) of the upper edge portion (81) of the fuel tank (35) in a vehicle front-rear direction. In a plan view, at least a portion of a front edge of a main seat (23) is disposed behind a rear edge portion (83) of the fuel tank (35). In a side view, a rear end of the fuel tank (35) and a front end (23f) of the main seat (23) are disposed further to the front than a pivot axis. In the side view, a center of a tandem seat in the vehicle front-rear direction is disposed further to the front than a rotation center of a rear wheel.

FIG. 9



Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20170111

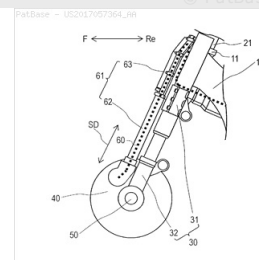
9) Family number: 65075209 (US2017057364A)

STRADDLED VEHICLE

Abstract: Source: US2017057364A A straddled vehicle includes a vehicle frame, a battery attached to the vehicle frame, a steering device pivotable around a steering axial line with respect to the vehicle frame, a front suspension coupled with the steering device, a front wheel attached to the front suspension so as to be rotatable around an axle, a front motor supplied with electric power from the battery to generate motive power, an electric power cable electrically connecting the battery and the front motor with each other, and a restrictor that restricts movement of the electric power cable to a stroke direction of the front suspension.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20170302



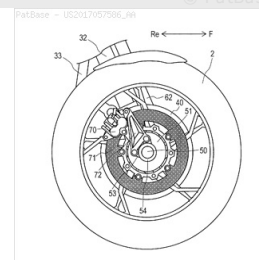
10) Family number: 65075299 (US2017057586A)

STRADDLED VEHICLE

Abstract: Source: US2017057586A A straddled vehicle includes a battery, a front wheel mounted on an axle, a motor including a stator and a rotor rotatable around the axle together with the front wheel, the motor being supplied with electric power from the battery to generate motive power, and a front suspension supporting, in a cantilever manner, the axle being inserted through the front wheel and the motor.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20170302



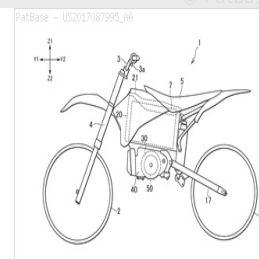
11) Family number: 65315225 (US2017087995A)

STRADDLE-TYPE ELECTRIC VEHICLE

Abstract: Source: US2017087995A A vehicle includes an electric motor and a clutch disposed on a drive shaft. The electric motor is disposed on one side from a middle of the vehicle in the vehicle width direction, while the clutch and a sprocket are disposed on a second side from the middle of the vehicle in the vehicle width direction. The clutch is connected to a clutch lever so that the state of engagement of the clutch is changed in response to an operation of the clutch lever. It is thus possible to increase the degree of freedom in torque transmission control by a driver, to increase an output torque of the electric motor, and to reduce the size of the clutch.

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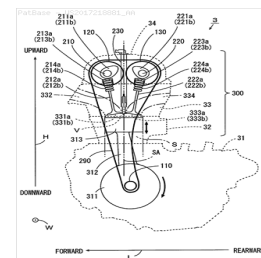
Earliest Publication Date: 20170329



Abstract: Source: US2017218881A An intake cam is positioned between first and second shaft supports that support an intake camshaft. An exhaust cam is positioned between third and fourth shaft supports that support an exhaust camshaft. An ignition plug unit extends between the intake camshaft and the exhaust camshaft and inward of the intake cam and the exhaust cam with a cylinder axis defining a reference position. A cylinder head includes a joint plane that is joined to a cylinder body. In a case where a virtual plane is defined by the joint plane and is perpendicular or substantially perpendicular to the cylinder axis, a distance between a portion, closest to the virtual plane, of the intake camshaft and the virtual plane is less than a distance between a portion, farthest from the virtual plane, of the intake port and the virtual plane.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20170803



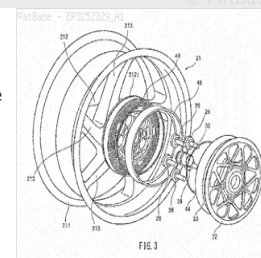
13) Family number: 67736173 (EP3252329A1)

GRAETSCHSITZFABRZEUG STRADDLED VEHICLE

Abstract: Source: EP3252329A1 Vibrations in the rear wheel caused by variations in the driving power transmitted to the rear wheel via the chain or movements transmitted to the rear wheel from the road surface are damped. The rear wheel includes an axle, a wheel hub, a plurality of bearings, an annular member, a sprocket, elastic members, and a damping mechanism. The axle is inserted into the wheel hub. The bearings are located between the wheel hub and axle such that the wheel hub, bearings and axle are arranged in a radial direction of the wheel hub. The annular member is positioned to be rotatable relative to the wheel hub in a circumferential direction of the wheel hub. The sprocket is coupled to the annular member and the chain is wound around the sprocket. The elastic members elastically deform when the annular member is rotating relative to the wheel hub. The damping mechanism damps vibrations that act to displace the annular member relative to the wheel hub in a circumferential direction with respect to their positions after the rotation of the annular member relative to the wheel hub.

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20171206



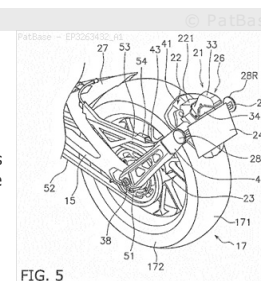
14) Family number: 68075632 (EP3263432A1)

GRAETSCHSITZFABRZEUG STRADDLED VEHICLE

Abstract: Source: EP3263432A1 A rear fender unit (21) is attached to an axle shaft (16). The rear fender unit includes an attachment portion (25) for a license plate (24), a license plate lamp (31), an electrical wire (43), and a length adjusting portion (44). The license plate lamp is attached to the attachment portion and is configured to illuminate the license plate. The electrical wire is connected to the license plate lamp. The length adjusting portion is configured to adjust the length of the electrical wire in response to the position of the rear wheel (17) relative to the rear arm (15).

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20180103



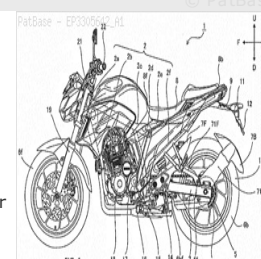
15) Family number: 69152185 (EP3305642A1)

GRAETSCHSITZFABRZEUG STRADDLED VEHICLE

Abstract: Source: EP3305642A1 A straddled vehicle including a mud guard that ensures fending functionality is provided while reducing unsprung weight. A straddled vehicle 1 includes a vehicle-body frame 2, a rear arm 3, a rear wheel 6b, a sprocket 5 rotatable concentrically with the rear wheel 6b, a front mud guard member 7F attached to the rear arm 3 and covering the front and top of the rear wheel 6b, and a rear mud guard member 7B attached to the rear arm 3 and covering the rear and top of the rear wheel 6b. In side view, the rearmost point 7Fb of the portion of the front mud guard member 7F that covers the rear wheel 6b from above is located forward of the forwardmost point 5f of the sprocket 5, and the forwardmost point 7Bf of the portion of the rear mud guard member 7B that covers the rear wheel 6b from above is located rearward of the rearmost point 3b of the rear arm 3.

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20180406



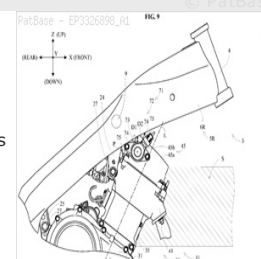
16) Family number: 69899127 (EP3326898A1)

GRAETSCHSITZFABRZEUG STRADDLED VEHICLE

Abstract: Source: EP3326898A1 A body frame (3) is not disposed forward of a front wall of each of a cylinder member (35), a cylinder head (41), and a head cover (45), and does not overlap each front wall of the cylinder member (35), cylinder head (41), and head cover (45) in the front view of the vehicle. An actuator body (73) is attached to the head cover (45). The actuator body (73) has a center (P) thereof located rearward of a cylinder axis (L) in the side view of the vehicle. A cylinder unit (33) is inclined so that the actuator body (73) overlap neither a right main frame (6R) nor a left main frame in the side view of the vehicle.

Probable Assignee: YAMAHA MOTOR CO LTD

Earliest Publication Date: 20180530



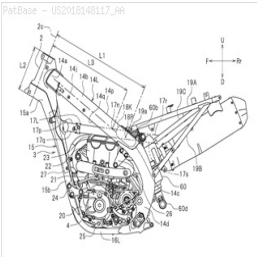
17) Family number: 69899795 (US2018148117A)

STRADDLED VEHICLE

Abstract: Source: US2018148117A A straddled vehicle includes a main frame extending rearward from a head pipe in a vehicle front-rear direction; a rubber bracket attached to the main frame and formed in a recessed shape that is open upward; and a protruding member extending sideways from a side wall of a fuel tank, wherein the protruding member engages with the rubber bracket. A portion of the fuel tank overlaps with a rear cross frame as the vehicle is seen from above.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20180531



18) Family number: 69899802 (US2018148122A)

STRADDLED VEHICLE

Abstract: Source: US2018148122A A straddled vehicle includes a cross frame connected to a left main frame and a right main frame. As the vehicle is seen from the side, a centroid of a central cross section in a vehicle width direction of the cross frame is located within an area that is delimited by an upper extension obtained by extending rearward an upper outline of the left connecting frame, a lower extension obtained by extending rearward a lower outline of the left connecting frame, an upper outline of the left main frame and a lower outline of the left main frame.

Probable Assignee: YAMAHA HATSUDOKI KK

Earliest Publication Date: 20180531

