

Title (en)
Saddle-ride type vehicle

Title (de)
Sattelfahrzeug

Title (fr)
Véhicule à selle

Publication
EP 2489847 A3 20131120 (EN)

Application
EP 12152725 A 20120126

Priority
JP 2011034043 A 20110219

Abstract (en)
[origin: EP2489847A2] In a saddle-ride type vehicle, an exhaust pipe 33 is connected to an exhaust port of an engine 30, and an O 2 sensor 50 is attached near this connection portion. The O 2 sensor 50 is connected with a positive terminal of a battery 66. The exhaust pipe 33 extends rearward and is supported by a pivot plate 15 at a vehicle-body attachment stay 46. An earth connection portion 47 is provided integrally with a portion of the vehicle-body attachment stay 46, and a terminal 61 of a sensor-side earth wire 60 is connected to the earth connection portion 47. The pivot plate 15 is part of a vehicle-body frame 10, and is electrically connected to the engine 30 supported by the vehicle-body frame 10. The engine is connected to a negative terminal of the battery 66 by an engine-side earth wire 67. Thus, the exhaust pipe 33 serves as part of the earth wire. This facilitates wiring of an earth wire for an oxygen sensor.

IPC 8 full level
F01N 13/00 (2010.01)

CPC (source: EP)
F01N 13/008 (2013.01); **F01N 13/1822** (2013.01); **F01N 2560/025** (2013.01); **F01N 2590/04** (2013.01)

Citation (search report)
• [A] US 2008256927 A1 20081023 - KIKUCHI HIROYUKI [JP], et al
• [A] EP 1898062 A2 20080312 - YAMAHA MOTOR CO LTD [JP]
• [A] EP 1980737 A1 20081015 - YAMAHA MOTOR CO LTD [JP]
• [A] US 4553388 A 19851119 - OKUBO AKIRA [JP], et al
• [A] JP H08226911 A 19960903 - NGK SPARK PLUG CO
• [A] DE 10102681 A1 20010809 - MITSUBISHI MOTORS CORP [JP], et al

Cited by
CN104847468A; US10934923B2; GB2595754A; GB2595754B; EP3712399A1; CN107407215A; EP3276149A4; EP3276138A4; US11383203B2; CN107407186A; US2018080364A1; EP3276137A4; US10844769B2

Designated contracting state (EPC)
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 MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2489847 A2 20120822; EP 2489847 A3 20131120; EP 2489847 B1 20150624; BR 102012003598 A2 20140304;
BR 102012003598 B1 20210112; JP 2012172563 A 20120910; JP 5671366 B2 20150218

DOCDB simple family (application)
EP 12152725 A 20120126; BR 102012003598 A 20120216; JP 2011034043 A 20110219