

Title (en)  
Straddle-type vehicle

Title (de)  
Grätschsitze-Fahrzeug

Title (fr)  
Véhicule de type chariot

Publication  
**EP 1939423 A3 20140402 (EN)**

Application  
**EP 07254753 A 20071207**

Priority  
JP 2006350779 A 20061227

Abstract (en)  
[origin: EP1939423A2] A straddle-type vehicle, for example a motorcycle, having an in-cylinder injection injector directly injecting a fuel into a combustion chamber has compact dimensions and good fuel injection. A low pressure pump carries fuel from a fuel tank, and a high pressure pump 123 pressurizes the fuel from the low pressure pump. The high pressure pump 123 is connected with each in-cylinder injection injector through a delivery pipe. The low pressure pump is connected with each in-pipe injection injector through the delivery pipe 118. The high pressure pump 123 is fixed to a cylinder head cover 50. At least one part of the high pressure pump 123 is disposed between left and right main frames 13. A high pressure fuel piping 127 is connected to the delivery pipe while passing above a right end part of the cylinder head cover 50 from the high pressure pump 123.

IPC 8 full level  
**F02B 61/02** (2006.01); **F01L 1/053** (2006.01)

CPC (source: EP)  
**F02B 61/02** (2013.01)

Citation (search report)  
• [Y] GB 2288852 A 19951101 - NIPPON DENSO CO [JP]  
• [Y] EP 1650122 A2 20060426 - YAMAHA MOTOR CO LTD [JP]  
• [A] GB 2265943 A 19931013 - DAIMLER BENZ AG [DE]

Cited by  
CN110397516A; CN102345544A; US11719206B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1939423 A2 20080702; EP 1939423 A3 20140402; JP 2008163757 A 20080717**

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