

Title (en)

Fuel supply pipe structure in two fuel injection valve type throttle body

Title (de)

Kraftstoffversorgungsleitungsstruktur für zwei Einspritzventile eines Drosselklappenelementes

Title (fr)

Dispositif d'alimentation en carburant pour deux soupapes d'injection d'un élément de papillon des gaz

Publication

EP 1801412 A3 20080213 (EN)

Application

EP 06124464 A 20061121

Priority

JP 2005372582 A 20051226

Abstract (en)

[origin: EP1801412A2] A fuel connection pipe (3) is provided with a first and a second fuel injection valve insertion hole (3b), which is concentric to a longitudinal axis (Z-Z) of the first respective the second fuel injection valve (J1) so as to be open, at one end (3a), and is provided with a connection flow path (3e) from the first fuel injection valve insertion hole (3b) toward another end (3c) of an insertion pipe portion (3d) as well as the insertion pipe portion (3d) is formed in parallel to the longitudinal axis (Y-Y) of the second fuel injection valve (J2), at the other end (3c). A rear end portion (J1b) of the first fuel injection valve (J1) is inserted into the first fuel injection valve insertion hole (3b) of the fuel connection pipe (3), and the insertion pipe portion (3d) is inserted into the connection hole (1d) of the fuel distribution pipe (1). A rear end portion (J2b) of the second fuel injection valve (J2) is inserted into to the second fuel injection valve insertion hole (1c) of the fuel distribution pipe (1). In the state mentioned above, the fuel distribution pipe (1) is screwed to the throttle body (30).

IPC 8 full level

F02M 69/04 (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP)

F02D 9/1035 (2013.01); **F02M 69/043** (2013.01); **F02M 69/044** (2013.01); **F02M 69/462** (2013.01); **F02M 69/465** (2013.01)

Citation (search report)

- [A] JP 2002317738 A 20021031 - HONDA MOTOR CO LTD
- [A] EP 1387081 A2 20040204 - YAMAHA MOTOR CO LTD [JP]
- [A] JP H02259272 A 19901022 - NIPPON DENSO CO, et al

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1801412 A2 20070627; **EP 1801412 A3 20080213**; **EP 1801412 B1 20090513**; DE 602006006783 D1 20090625;
JP 2007170349 A 20070705; JP 4616165 B2 20110119

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