

Title (en)

Fuel injector with high-pressure resistant supply

Title (de)

Kraftstoffinjektor mit hochdruckfestem Zulauf

Title (fr)

Injecteur de combustible avec admission résistant aux pressions élevées

Publication

EP 1273792 A3 20050105 (DE)

Application

EP 02014392 A 20020628

Priority

DE 10132246 A 20010704

Abstract (en)

[origin: EP1273792A2] The injector body (13) has two fuel passages (30,31) at an angle to one another to supply a central chamber (5) enclosing a control chamber (3) from a high pressure connection (7). A further passage (32) supplies fuel via a fuel duct (9) to the injector nozzle. The diameters of the first two fuel passages are many times smaller than that of the central chamber.

IPC 1-7

F02M 47/02; **F02M 55/02**

IPC 8 full level

F02M 47/00 (2006.01); **F02M 47/02** (2006.01); **F02M 55/02** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 55/008** (2013.01 - EP US); **F02M 55/02** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US); **F02M 2200/03** (2013.01 - EP US); **F02M 2547/003** (2013.01 - EP US)

Citation (search report)

- [A] EP 0916842 A1 19990519 - ELASIS SISTEMA RICERCA FIAT [IT]
- [AD] DE 19650865 A1 19980610 - BOSCH GMBH ROBERT [DE]
- [A] US 5655716 A 19970812 - MATHIS CHRISTIAN [CH]

Cited by

US8608093B2; WO2010006828A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1273792 A2 20030108; **EP 1273792 A3 20050105**; **EP 1273792 B1 20110928**; DE 10132246 A1 20030123; JP 2003035235 A 20030207; US 2003080217 A1 20030501; US 6814301 B2 20041109

DOCDB simple family (application)

EP 02014392 A 20020628; DE 10132246 A 20010704; JP 2002195952 A 20020704; US 18912202 A 20020702