

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