

Title (en)

Fuel injection valve

Title (de)

Kraftstoffeinspritzventil

Title (fr)

Soupape d'injection de carburant

Publication

EP 1918569 A3 20081224 (DE)

Application

EP 07115065 A 20070828

Priority

DE 102006049883 A 20061023

Abstract (en)

[origin: EP1918569A2] The valve (1) has a housing (2) with an inlet (7) for the fuel, and a valve needle (11) arranged in the housing. An electromagnetic drive (9) actuates a control valve (10), which pressurizes or decompresses a pressure chamber (40) via a draining throttle (49). The pressure chamber is connected with the inlet over an inlet throttle (44). The inlet is connected with a side of the draining throttle over another inlet throttle (47), where the side is turned away from the pressure chamber. The draining throttle lies in a draining channel i.e. draining borehole.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0042** (2013.01); **F02M 63/008** (2013.01); **F02M 63/0043** (2013.01); **F02M 2547/001** (2013.01)

Citation (search report)

- [XY] WO 0188366 A1 20011122 - BOSCH GMBH ROBERT [DE], et al
- [XY] DE 10326260 A1 20050105 - BOSCH GMBH ROBERT [DE]
- [XY] DE 102004030445 A1 20060112 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1612403 A1 20060104 - FIAT RICERCHE [IT]
- [A] US 2003052184 A1 20030320 - BOECKING FRIEDRICH [DE]

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 1918569 A2 20080507; **EP 1918569 A3 20081224**; DE 102006049883 A1 20080424

DOCDB simple family (application)

EP 07115065 A 20070828; DE 102006049883 A 20061023