

Title (en)

Fuel injection system for internal combustion engine

Title (de)

Kraftstoffeinspritzeinrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif d'injection de carburant pour un moteur à combustion interne

Publication

EP 1310666 A3 20040204 (DE)

Application

EP 02022357 A 20021008

Priority

DE 10155412 A 20011110

Abstract (en)

[origin: EP1310666A2] The fuel injection device has a high pressure fuel pump (10) connected to a fuel injection valve (12) and a first control valve device (62) for controlling an unchoked connection (59) between a pump working chamber (22) and a discharge chamber (24) and a connection between the pump's working chamber and the discharge chamber via a choke point (58) or a pressure limiting valve.

IPC 1-7

F02M 57/02; **F02M 47/02**; **F02M 59/36**; **F02M 45/02**; **F02M 45/12**

IPC 8 full level

F02M 45/02 (2006.01); **F02M 45/04** (2006.01); **F02M 45/12** (2006.01); **F02M 47/02** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02M 57/02** (2006.01)

CPC (source: EP US)

F02M 45/02 (2013.01 - EP US); **F02M 45/04** (2013.01 - EP US); **F02M 45/12** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 59/368** (2013.01 - EP US); **F02M 61/205** (2013.01 - EP US); **F02M 63/0017** (2013.01 - EP US); **F02M 63/0035** (2013.01 - EP US); **F02M 63/004** (2013.01 - EP US); **F02M 63/0047** (2013.01 - EP US); **F02M 63/0049** (2013.01 - EP US); **F02M 57/023** (2013.01 - EP US); **F02M 63/0043** (2013.01 - EP US); **F02M 63/0045** (2013.01 - EP US); **F02M 63/0061** (2013.01 - EP US)

Citation (search report)

- [PX] WO 02057621 A1 20020725 - BOSCH GMBH ROBERT [DE], et al
- [PX] EP 1236884 A2 20020904 - BOSCH GMBH ROBERT [DE]
- [A] DE 4118236 A1 19911212 - AVL VERBRENNUNGSKRAFT MESSTECH [AT]
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CN105378262A; US9316190B2; WO2005124145A1; WO2011101174A1; WO2011101419A1

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DOCDB simple family (application)

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