

Title (en)

Fuel injection system for an internal combustion engine

Title (de)

Kraftstoffeinspritzsystem für eine Brennkraftmaschine

Title (fr)

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

Publication

**EP 1247978 A3 20040114 (DE)**

Application

**EP 02007620 A 20020404**

Priority

DE 10117401 A 20010406

Abstract (en)

[origin: EP1247978A2] The fuel injection system is for a diesel engine. It has a number of fuel injectors (1) supplied via a high pressure fuel line (13) containing a pressure control valve (26) for controlling the pressure during fuel injection. The pressure control valve has a freely sliding piston (30) with a pressure space (36,38) on either side and a slider (32) inserted in the flow path of the high pressure fuel line, for controlling the flow cross-section, a setting valve (14,16) determining the pressure in one or both pressure spaces, for moving the piston in the opening or closing direction.

IPC 1-7

**F02M 47/02**; **F02M 63/00**; **F02M 63/02**

IPC 8 full level

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

CPC (source: EP US)

**F02M 47/027** (2013.01 - EP US); **F02M 63/0005** (2013.01 - EP); **F02M 63/0007** (2013.01 - US); **F02M 63/0029** (2013.01 - EP); **F02M 63/0225** (2013.01 - EP US)

Citation (search report)

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**EP 1247978 A2 20021009**; **EP 1247978 A3 20040114**; **EP 1247978 B1 20041229**; AT E286207 T1 20050115; DE 10117401 A1 20021017; DE 10117401 C2 20030227; DE 50201867 D1 20050203; US 2002179063 A1 20021205; US 6729302 B2 20040504

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