

Title (en)

Fuel injector valve for combustion engines

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Soupape d'injection de carburant pour moteurs à combustion interne

Publication

EP 1925812 B1 20100428 (DE)

Application

EP 07118225 A 20071010

Priority

DE 102006055792 A 20061127

Abstract (en)

[origin: EP1925812A1] The valve has a nozzle body (12) into which a valve needle (5), which is controlled by a control valve (4) and with two guidance sections (13,14) is axially movably guided. A valve seat is formed on a front surface (8) of the valve needle on the valve seat side. Pressure surfaces, which act in an opening direction of the valve needle, are formed by a pressure surface, which is designed at the front surface and a pressure switch, which points into a control space. The pressure in the control space is controlled by the control valve for opening the valve needle.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 61/04** (2006.01); **F02M 61/12** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 61/042** (2013.01); **F02M 61/12** (2013.01); **F02M 63/0045** (2013.01); **F02M 63/0047** (2013.01); **F02M 2547/001** (2013.01)

Cited by

CN106762304A; CN105756830A; EP2103802A1; WO2010108747A1

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