

Title (en)

Fuel injection valve

Title (de)

Kraftstoffeinspritzventil

Title (fr)

Soupape d'injection de carburant

Publication

EP 2278152 B1 20140122 (DE)

Application

EP 10163387 A 20100520

Priority

DE 102009027841 A 20090720

Abstract (en)

[origin: EP2278152A1] The valve has a control valve (1) i.e. solenoid valve, comprising a control element (4) including a central bore (5) for receiving and guiding a pressure pin (6). The control element is pressure-equalized in a closed position in which an annular sealing edge (7) sealably rests on a valve seat (8). The control valve exhibits a pressure limiting function when the pin produces a hydraulic connection of the bore with a return line by changing axial length of the pin during defined pressure force at a front surface (9) of the pin.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 61/04** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 61/042** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/0078** (2013.01); **F02M 63/008** (2013.01); **F02M 2547/003** (2013.01)

Cited by

US9297473B2; EP3333408A1; EP2749800A4; US10041459B2; WO2014102028A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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