

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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2278152 A1 20110126; EP 2278152 B1 20140122; DE 102009027841 A1 20110127**

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