

Title (en)

Fuel injector valve for combustion engines

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Souape d'injection de carburant pour moteurs à combustion interne

Publication

**EP 2735725 B1 20151230 (DE)**

Application

**EP 13188175 A 20131010**

Priority

DE 102012221624 A 20121127

Abstract (en)

[origin: EP2735725A1] The valve has a control chamber (12) filled with fuel through a supply throttle (27). Closing force is indirectly exerted on a nozzle needle (5) by pressure in the control chamber. The nozzle needle is faced away from a nozzle seat (17). A sleeve (9) is radially bounded in the control chamber. A control piston (14) is arranged in a valve body (10) for defining a valve chamber (16). The valve body is connected with the control piston and the control chamber through an outflow throttle (28) and a control valve (31), which is connected to a low-pressure space (26).

IPC 8 full level

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

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 63/0029** (2013.01); **F02M 63/0043** (2013.01); **F02M 63/0054** (2013.01); **F02M 2547/001** (2013.01)

Cited by

EP2818690A1; CN111502880A; EP2960487A1; US10077748B2; WO2015024692A1; EP2867517B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2735725 A1 20140528; EP 2735725 B1 20151230**; DE 102012221624 A1 20140528

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