

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 2743489 B1 20170712 (DE)**

Application

**EP 13188667 A 20131015**

Priority

DE 102012223244 A 20121214

Abstract (en)

[origin: EP2743489A1] The valve has a housing (1) provided with a length-adjustable nozzle needle (8) for opening and closing an injection port (16) with a nozzle seat (15). The nozzle needle with the nozzle seat is turned away from a surface (108) of the housing. A control chamber (10) is filled with fuel under high pressure and provided with a control valve (22) and a low pressure chamber (18). An end of a pressure pin (33) is provided in the control chamber, which cooperates with a surface of a force sensor (35). A control valve link (28) is formed in sleeve-shape and surrounds the pressure pin.

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 57/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 57/005** (2013.01); **F02M 2200/244** (2013.01)

Cited by

EP3006723A1; CN115288902A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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