

Title (en)

Fuel injector with pressure-equalised control valve

Title (de)

Kraftstoff-Injektor mit druckausgeglichenem Steuerventil

Title (fr)

Injecteur de carburant doté d'une soupape de distribution à pression compensée

Publication

**EP 2275666 B1 20120118 (DE)**

Application

**EP 10162230 A 20100507**

Priority

DE 102009027494 A 20090707

Abstract (en)

[origin: EP2275666A1] The injector (1) has a control valve element (26) adjustable between two switching positions. The valve element is formed and arranged such that no or reduced resulting hydraulic force is exerted in an axial direction on the valve element by pressure in a control chamber (17) when a hydraulic connection between the chamber and a low pressure region (10) is disconnected in one of the switching positions. The valve element sealingly lies at a guiding sleeve (32) in the other switching position for sealing a hydraulic connection between a control valve chamber (24) and a high pressure region (8).

IPC 8 full level

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

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0035** (2013.01); **F02M 63/0045** (2013.01)

Cited by

EP2479418A1; EP2511514A3; WO2013000618A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2275666 A1 20110119; EP 2275666 B1 20120118**; AT E542042 T1 20120215; DE 102009027494 A1 20110113

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