

Title (en)
Fuel injector

Title (de)
Kraftstoff-Injektor

Title (fr)
Injecteur de carburant

Publication
EP 2204570 B1 20130313 (DE)

Application
EP 09174566 A 20091030

Priority
DE 102008055177 A 20081230

Abstract (en)
[origin: EP2204570A1] The injector (1) has a nozzle needle (8) that is adjustable between a closing position and an open position. An electromagnetic actuator (14) releases a fuel flow from a pressure region (9) via an injection hole (17). The pressure region is connected with a pressure compensating area (20) that is limited by the nozzle needle by a valve (13). The compensating area is arranged such that a hydraulic closing force acting on the nozzle needle in a closing direction is partially compensated based on the hydraulic connection.

IPC 8 full level
F02M 45/08 (2006.01); **F02M 47/02** (2006.01); **F02M 47/06** (2006.01); **F02M 61/04** (2006.01); **F02M 61/18** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 45/086 (2013.01); **F02M 47/027** (2013.01); **F02M 47/06** (2013.01); **F02M 61/042** (2013.01); **F02M 61/1893** (2013.01); **F02M 2200/46** (2013.01); **F02M 2547/005** (2013.01)

Cited by
EP3126663A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2204570 A1 20100707; **EP 2204570 B1 20130313**; DE 102008055177 A1 20100701

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