

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2267295 A3 20130306 (DE)

Application
EP 10160976 A 20100426

Priority
DE 102009027187 A 20090625

Abstract (en)
[origin: EP2267295A2] The injector has a valve piston (27) including a pressure piece (29) at a control valve-sided end of the piston, where the pressure piece acting on a valve bolt (40) in an axial direction. The piston is surrounded by a low-pressure chamber (30) and is arranged in a valve chamber (34). A hydraulic connection is opened or closed from the valve chamber to the low-pressure chamber by a valve seat (45). A stop is formed at a valve body (15), and limits lifting of the piston. The piston with a counter surface (61) strikes against the stop in an opened condition of the valve seat.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)

- [XY] WO 0181751 A1 20011101 - BOSCH GMBH ROBERT [DE], et al
- [Y] DE 102006027484 A1 20071220 - BOSCH GMBH ROBERT [DE]
- [X] WO 2009033887 A1 20090319 - CONTINENTAL AUTOMOTIVE GMBH [DE], et al

Designated contracting state (EPC)
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

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2267295 A2 20101229; EP 2267295 A3 20130306; DE 102009027187 A1 20101230

DOCDB simple family (application)
EP 10160976 A 20100426; DE 102009027187 A 20090625