

Title (en)
Injector

Title (de)
Einspritzventil

Title (fr)
Injecteur

Publication
EP 2634413 B1 20170426 (DE)

Application
EP 13152706 A 20130125

Priority
DE 102012203161 A 20120229

Abstract (en)
[origin: EP2634413A1] The valve (1) has a housing (2) comprising a spraying opening (16) at a discharge side (17), and an armature (11) linearly movable by a magnetic coil (4). A linearly-movable valve needle (8) is provided for opening and closing the spraying opening, and has stoppers (14, 15) on respective sides of the armature. The armature is linearly movable between the stoppers opposite to the valve needle. Two stop surfaces are formed for one of the stoppers. A hydraulic pad designed as a cavity (19) is arranged at one of the stop surfaces, where the cavity is filled with medium i.e. fuel.

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)
F02M 51/066 (2013.01); **F02M 51/0685** (2013.01); **F02M 61/188** (2013.01); **F02M 2200/304** (2013.01)

Cited by
EP2985445A1; US2017218902A1; KR20150056789A; EP2949917A1; US2017218900A1; US10711749B2; US2021062771A1; KR20190020704A; KR20190022575A; JP2019520531A; EP3009663A1; US2016237966A1; KR20170054515A; US10202953B2; KR20190018765A; US10378498B2; US10711750B2; US9903327B2; WO2014048609A1; WO2016058726A1; WO2018001829A1; US9546630B2; WO2015049195A1; WO2016023757A1; JP2015529306A

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2634413 A1 20130904; EP 2634413 B1 20170426; DE 102012203161 A1 20130829

DOCDB simple family (application)
EP 13152706 A 20130125; DE 102012203161 A 20120229