

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2743493 A3 20150729 (DE)

Application
EP 13189766 A 20131022

Priority
DE 102012223166 A 20121214

Abstract (en)
[origin: EP2743493A2] The injector has a control valve (1) that is provided for controlling and lifting of a stroke-movable valve needle (2). The injection opening (3) is provided for influencing control chamber pressure on nozzle needle through an inlet throttle (8) and for filling highly pressurized fuel in open position of control valve through a discharge throttle (7). The pressure actuatable further valve (9) with a movable valve element (10) is formed upstream to inlet throttle for releasing and closing hydraulic connection of inlet throttle with a high-pressure region (11).

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0005** (2013.01); **F02M 63/0028** (2013.01); **F02M 63/008** (2013.01); **F02M 2200/28** (2013.01); **F02M 2547/001** (2013.01); **F02M 2547/003** (2013.01); **F02M 2547/008** (2013.01)

Citation (search report)

- [X] WO 2010088781 A1 20100812 - GANSER HYDROMAG [CH], et al
- [X] JP 2011208554 A 20111020 - DENSO CORP, et al
- [X] EP 1843037 A1 20071010 - DENSO CORP [JP]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2743493 A2 20140618; EP 2743493 A3 20150729; EP 2743493 B1 20170208; DE 102012223166 A1 20140618

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EP 13189766 A 20131022; DE 102012223166 A 20121214