

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2400144 A3 20140730 (DE)

Application
EP 11167030 A 20110523

Priority
DE 102010030401 A 20100623

Abstract (en)
[origin: EP2400144A2] The injector has a sleeve-shaped closure (4) for formation of a switching valve chamber (5) and partially receiving a sealing piston (6). The closure is supported at a piezoelectric actuator (2) via a load distribution plate (9), where the load distribution plate and the closure are connected as a single-piece. The closure and the load distribution plate comprise an annular portion and an annular filling body (11) for reducing volume of the switching valve chamber and forming a guide diameter (12) with the sealing piston.

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 63/004** (2013.01)

Citation (search report)

- [XY] DE 102006055555 A1 20080529 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1944500 A2 20080716 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1916414 A2 20080430 - BOSCH GMBH ROBERT [DE]
- [X] DE 102006055548 A1 20080529 - BOSCH GMBH ROBERT [DE]

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 2400144 A2 20111228; EP 2400144 A3 20140730; DE 102010030401 A1 20111229

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EP 11167030 A 20110523; DE 102010030401 A 20100623