

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2249024 B1 20111019 (DE)

Application
EP 10156162 A 20100311

Priority
DE 102009002897 A 20090507

Abstract (en)
[origin: EP2249024A1] Fuel injector (7) comprises a valve group (2) arranged between a nozzle needle (6) and an actuator (3), a valve piston (16) arranged in a hole (32) for moving between a closed and an injection position, a control space (14) for moving the valve piston, a valve chamber (24) arranged between the valve piston and the valve group and an inlet (25) and an outlet (27) opening into the valve chamber. Preferred Features: The actuator is a piezo-electric actuator. The valve chamber is formed in the valve hole radially around the valve piston.

IPC 8 full level
F02M 63/00 (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 51/0603** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0035** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0042** (2013.01); **F02M 63/0045** (2013.01); **F02M 63/0049** (2013.01); **F02M 2200/703** (2013.01); **F02M 2200/704** (2013.01); **F02M 2547/001** (2013.01)

Cited by
EP2871354A1; JP2019148194A

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

DOCDB simple family (publication)
EP 2249024 A1 20101110; EP 2249024 B1 20111019; AT E529628 T1 20111115; DE 102009002897 A1 20101111

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