

Title (en)
Fuel injector valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de combustible

Publication
EP 2426348 B1 20150617 (DE)

Application
EP 11174438 A 20110719

Priority
DE 102010040309 A 20100907

Abstract (en)
[origin: EP2426348A1] The valve (1) has a nozzle opening (24) arranged at an end (23) of a nozzle body (5). A nozzle needle (10) is directly guided into the body. An actuator (30) i.e. solenoid actuator, actuates the nozzle needle. A pressure balance pin (17) is guided into an axial borehole (15) of the needle. The needle is in cooperation with the body to form a seal seat (21). The seal seat is opened by actuating the needle using the actuator. Injection via the nozzle opening is made when the seal seat is opened. An inner needle (16) is guided into the axial borehole of the needle.

IPC 8 full level
F02M 45/08 (2006.01); **F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 61/04** (2006.01)

CPC (source: EP)
F02M 45/086 (2013.01); **F02M 51/061** (2013.01); **F02M 55/002** (2013.01); **F02M 61/042** (2013.01); **F02M 2200/46** (2013.01)

Cited by
CN114151242A; WO2015150183A1

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)
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