

Title (en)
Fuel injector valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de combustible

Publication
EP 1939440 A3 20090909 (DE)

Application
EP 07122092 A 20071203

Priority
DE 102006061947 A 20061229

Abstract (en)
[origin: EP1939440A2] The valve (1) has a servo control loop (40), and a magnetic valve (20) arranged in a valve housing (2). The magnetic valve controls an amount of fuel, which is injected through a nozzle outlet (15), using the servo control loop. The magnetic valve blocks connection of flows (34, 35) of the servo control loop with return movement, in a position. The magnetic valve releases the flows in another position, and releases the flow (34) and blocks the flow (35) in a third position.

IPC 8 full level
F02M 45/08 (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 45/086 (2013.01); **F02M 47/027** (2013.01); **F02M 63/0024** (2013.01); **F02M 63/0045** (2013.01); **F02M 63/0061** (2013.01); **F02M 63/0063** (2013.01); **F02M 2200/46** (2013.01)

Citation (search report)
• [XY] EP 1724462 A2 20061122 - BOSCH GMBH ROBERT [DE]
• [Y] DE 10031686 A1 20010322 - AISAN IND [JP]
• [X] FR 2823535 A1 20021018 - TOYOTA MOTOR CO LTD [JP]

Cited by
CN114458504A; CN114483404A; CN114458502A; US2014361096A1; CN115977842A; WO2018153740A1; WO2011058344A1; EP2822004A1; US9530551B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1939440 A2 20080702; EP 1939440 A3 20090909; EP 1939440 B1 20130619; DE 102006061947 A1 20080703

DOCDB simple family (application)
EP 07122092 A 20071203; DE 102006061947 A 20061229