

Title (en)
Pressure control valve

Title (de)
Druckregelventil

Title (fr)
Soupape de réglage de pression

Publication
EP 2413333 A3 20150128 (DE)

Application
EP 11002924 A 20110407

Priority
DE 102010026501 A 20100707

Abstract (en)
[origin: EP2413333A2] The valve (1) has a valve housing (2) comprising an axial valve stem hole (7) for receiving a valve lifter (6), where the valve stem hole comprises a circumferential recess (27) to receive a solenoid coil (3). An anchor plate (17) is connected with the valve lifter. A seat valve (4) stands with the valve lifter in active connection. A magnetic circuit (25) is formed from the solenoid coil, to receive a portion of the valve housing and the anchor plate, and exhibits magnetic constriction.

IPC 8 full level
H01F 7/13 (2006.01); **F02M 59/00** (2006.01); **F02M 63/00** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)
F02M 63/0052 (2013.01); **F02M 63/025** (2013.01); **H01F 7/13** (2013.01); **H01F 7/1638** (2013.01); **H01F 2007/085** (2013.01)

Citation (search report)

- [XA] US 2003042456 A1 20030306 - MAKINO TADAAKI [JP]
- [XA] DE 102007011050 A1 20080911 - BOSCH GMBH ROBERT [DE]
- [XAY] GB 2201039 A 19880817 - BOSCH GMBH ROBERT
- [Y] US 2010005646 A1 20100114 - MANUBOLU AVINASH R [US], et al
- [A] DE 10225162 A1 20031218 - THOMAS MAGNETE GMBH [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 2413333 A2 20120201; **EP 2413333 A3 20150128**; **EP 2413333 B1 20180124**; DE 102010026501 A1 20120112; ES 2666224 T3 20180503; HU E036572 T2 20180730

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