

Title (en)
Switching magnet

Title (de)
Schaltmagnet

Title (fr)
Aimant commutable

Publication
EP 2164081 A3 20130626 (DE)

Application
EP 09169917 A 20090910

Priority
AT 4842008 U 20080910

Abstract (en)
[origin: EP2164081A2] The magnet (10) has a field coil including a winding (3) that is arranged on a coil body (4), a pole core (2) that is arranged in a central passage hole (4a) of the body, and a magnetic piston (5) i.e. armature, which is axially displaceable in the hole. An axle (7) is movable from the piston. A piston position detector (20) is integrated in the magnet to detect two different positions of the piston. The detector is partially arranged between the body and the piston. The detector has two contacts (22, 23) i.e. contact springs, and a switching element that is directly actuated by the piston.

IPC 8 full level
H01F 7/16 (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP)
H01F 7/1607 (2013.01); **H01F 7/1844** (2013.01); **H01F 2007/185** (2013.01); **H01H 11/0062** (2013.01); **H01H 2071/046** (2013.01)

Citation (search report)

- [Y] EP 1818951 A1 20070815 - MSG MECHATRONIC SYSTEMS GMBH [AT]
- [Y] FR 2807871 A1 20011019 - SCHNEIDER ELECTRIC IND SA [FR]
- [Y] DE 29703587 U1 19980625 - FEV MOTORENTECH GMBH & CO KG [DE]

Cited by
DE102010039584A1; WO2016142105A1; EP2587496A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2164081 A2 20100317; EP 2164081 A3 20130626; AT 13504 U1 20140215

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