

Title (en)
Double action electromagnetic actuator

Title (de)
Doppeltwirkender elektromagnetischer Aktor

Title (fr)
Acteur électromagnétique à double effet

Publication
EP 1953773 A3 20130821 (DE)

Application
EP 08001443 A 20080125

Priority
DE 102007005434 A 20070130

Abstract (en)
[origin: EP1953773A2] The double acting electromagnetic actor (1) has an armature (2) which is arranged in the coil (71) with permanent magnets (22,25) that are magnetized in axial direction. A central disc (23) is positioned between the permanent magnets in which the armature and the coil in axial direction areas (7) are magnetized stronger or easy. A weak or non-magnetized area (8) is formed between the permanent magnets. The armature is supported in a pressure sealed pole tube (10) that is arranged in the coil.

IPC 8 full level
F16K 31/08 (2006.01); **H01F 7/08** (2006.01); **H01F 7/13** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)
H01F 7/081 (2013.01 - EP US); **H01F 7/13** (2013.01 - EP US); **H01F 7/1615** (2013.01 - EP US); **H01F 2007/085** (2013.01 - EP US)

Citation (search report)

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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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1953773 A2 20080806; EP 1953773 A3 20130821; EP 1953773 B1 20170301; DE 102007005434 A1 20080731;
US 2008180200 A1 20080731

DOCDB simple family (application)
EP 08001443 A 20080125; DE 102007005434 A 20070130; US 1080208 A 20080130