

Title (en)  
Dual-actuation-mode control device

Title (de)  
Steuerungsvorrichtung mit zwei verschiedenen Betätigungsarten

Title (fr)  
Dispositif de commande à double mode d'actionnement

Publication  
**EP 2085987 B1 20150304 (FR)**

Application  
**EP 09150415 A 20090113**

Priority  
FR 0850574 A 20080130

Abstract (en)  
[origin: EP2085987A1] The device has a fixed permanent magnet (10), and a microswitch e.g. micro-electro mechanical system, with a ferromagnetic membrane (20) driven between stable states. A mobile permanent magnet (11) is actuated between a position, in which the mobile and fixed magnets form a uniform permanent magnetic field to maintain the membrane in one of the states, and another position, in which the mobile magnet controls switchover of the membrane. A planar excitation coil (4) creates a temporary magnetic field to allow switchover of the membrane, when the mobile magnet is in former position.

IPC 8 full level  
**H01H 1/00** (2006.01); **H01H 36/00** (2006.01); **H01H 50/00** (2006.01)

CPC (source: EP US)  
**H01H 1/0036** (2013.01 - EP US); **H01H 36/00** (2013.01 - EP US); **H01H 50/005** (2013.01 - EP US); **H01H 2001/0042** (2013.01 - EP US); **H01H 2036/0093** (2013.01 - EP US); **H01H 2050/007** (2013.01 - EP US)

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 TR

DOCDB simple family (publication)  
**EP 2085987 A1 20090805**; **EP 2085987 B1 20150304**; FR 2926922 A1 20090731; FR 2926922 B1 20100219; US 2009189720 A1 20090730; US 7982563 B2 20110719

DOCDB simple family (application)  
**EP 09150415 A 20090113**; FR 0850574 A 20080130; US 35853809 A 20090123