

Title (en)

MICROSYSTEM WITH ELECTROMAGNETIC CONTROL

Title (de)

MIKROSYSTEM MIT ELEKTROMAGNETISCHER STEUERUNG

Title (fr)

MICROSYSTEME A COMMANDE ELECTROMAGNETIQUE

Publication

EP 1836714 B1 20100303 (FR)

Application

EP 06700703 A 20060106

Priority

- EP 2006050074 W 20060106
- FR 0550085 A 20050110

Abstract (en)

[origin: WO2006072627A1] The invention relates to a microsystem, comprising a magnetic microactuator (2, 2"), with a mobile element supported by a substrate (3) and controlled by magnetic effect between a first position and a second position for switching at least one electric circuit, whereby a permanent magnet or a solenoid subjects the mobile element to a first uniform magnetic field (B0) to hold the same in the first position, an energising coil (4, 6), external to the substrate (3), said energising coil (4, 6), on energising the above, submits the mobile element to a second magnetic field (BSi) to move the mobile element from the first position to the second position, the energising coil being of the solenoid type and surrounding the substrate supporting the mobile element.

IPC 8 full level

H01H 50/00 (2006.01)

CPC (source: EP KR US)

H01H 1/0036 (2013.01 - KR); **H01H 50/005** (2013.01 - EP KR US); **H01H 2036/0093** (2013.01 - KR); **H01H 2050/007** (2013.01 - EP KR US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006072627 A1 20060713; AT E459974 T1 20100315; CN 101138060 A 20080305; CN 101138060 B 20101215; DE 602006012620 D1 20100415; EP 1836714 A1 20070926; EP 1836714 B1 20100303; FR 2880729 A1 20060714; FR 2880729 B1 20090227; JP 2008527642 A 20080724; JP 4519921 B2 20100804; KR 101023581 B1 20110321; KR 20070117546 A 20071212; US 2008106360 A1 20080508; US 7724111 B2 20100525

DOCDB simple family (application)

EP 2006050074 W 20060106; AT 06700703 T 20060106; CN 200680007685 A 20060106; DE 602006012620 T 20060106; EP 06700703 A 20060106; FR 0550085 A 20050110; JP 2007549897 A 20060106; KR 20077017940 A 20060106; US 81359106 A 20060106