

Title (en)

ELECTRIC CIRCUIT SWITCHING DEVICE USING AT LEAST TWO PERMANENT MAGNETS

Title (de)

EINRICHTUNG ZUM UMSCHALTEN EINES ELEKTRISCHEN SCHALTKREISES UNTER VERWENDUNG VON MINDESTENS ZWEI PERMANENTMAGNETEN

Title (fr)

DISPOSITIF DE COMMUTATION D'UN CIRCUIT ELECTRIQUE UTILISANT AU MOINS DEUX AIMANTS PERMANENTS

Publication

EP 1925008 A1 20080528 (FR)

Application

EP 06763534 A 20060606

Priority

- EP 2006062936 W 20060606
- FR 0551506 A 20050606
- FR 0553178 A 20051019

Abstract (en)

[origin: WO2006131520A1] The invention relates to an electric circuit switching device (1, 10, 100) comprising a body (4, 40, 400), an actuating member (3, 30, 300) which is movable in the body between at least two positions and acts by magnetic effect on an electric switch movable element (2) in such a way that the electric circuit is switchable between two positions, i.e., the open and closed positions thereof, wherein the inventive device comprises a fixed permanent magnet (5, 50, 500) and a movable permanent magnet (6, 60, 600) connected to the actuating member (3, 30, 300). The modification of the actuating member (3, 30, 300) position causes the modification of the direction of magnetic field lines produced by said permanent magnets (5, 50, 500, 6, 60, 600) near the movable element, thereby generating the electric circuit switching. Said device can be used in the form of a sliding-, push- and turning switch button.

IPC 8 full level

H01H 36/00 (2006.01)

CPC (source: EP)

H01H 36/0026 (2013.01); **H01H 36/006** (2013.01); **H01H 2036/0093** (2013.01)

Citation (search report)

See references of WO 2006131520A1

Cited by

CN110013161A; WO2020128018A1

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 2006131520 A1 20061214; AT E456149 T1 20100215; DE 602006011918 D1 20100311; EP 1925008 A1 20080528; EP 1925008 B1 20100120; ES 2336248 T3 20100409

DOCDB simple family (application)

EP 2006062936 W 20060606; AT 06763534 T 20060606; DE 602006011918 T 20060606; EP 06763534 A 20060606; ES 06763534 T 20060606