

Title (en)
MAGNETOSTRICTIVE ELECTRICAL SWITCHING DEVICE

Title (de)
MAGNETOSTRIKTIVES ELEKTRISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ELECTRIQUE A MAGNETOSTRICTION

Publication
EP 1949399 A1 20080730 (DE)

Application
EP 05806784 A 20051115

Priority
EP 2005012219 W 20051115

Abstract (en)
[origin: WO2007057030A1] The invention proposes an electrical switching device having at least one contact point having at least one drive, which opens the contact point directly and/or via a switching mechanism with a latching point and which drive has an element having a predetermined shape, which element consists of a shape memory alloy, which changes its shape under the influence of an electromagnetic field and, in the process, opens or closes a contact point or double contact point or unlatches a switching mechanism.

IPC 8 full level
H01H 55/00 (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP US)
H01H 55/00 (2013.01 - EP US); **H01H 71/127** (2013.01 - EP US); **C08L 2201/12** (2013.01 - EP US); **H01H 71/145** (2013.01 - EP US); **H01H 2300/034** (2013.01 - EP US)

Citation (search report)
See references of WO 2007057030A1

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 2007057030 A1 20070524; CA 2624387 A1 20070524; CN 101390180 A 20090318; EP 1949399 A1 20080730; US 2008284547 A1 20081120

DOCDB simple family (application)
EP 2005012219 W 20051115; CA 2624387 A 20051115; CN 200580052072 A 20051115; EP 05806784 A 20051115; US 15314708 A 20080514