

Title (en)  
Electromagnetic relay

Title (de)  
Elektromagnetisches Relais

Title (fr)  
Relais électromagnétique

Publication  
**EP 1962316 A1 20080827 (EN)**

Application  
**EP 07250727 A 20070221**

Priority  
EP 07250727 A 20070221

Abstract (en)  
An electromagnetic relay includes an electromagnetic unit (41) operable so as to generate a magnetic field perpendicular to a bottom wall (31) of a housing (1) when excited such that an actuating plate (42) pivots from a releasing position to a pushing position, where a magnetically-attractable end portion (421) of the actuating plate (42) is attracted by the electromagnetic unit (41) and where an actuating end portion (422) of the actuating plate (42) moves toward a first conductive plate (51), thereby driving a pushing block (43) to move a resilient end portion (511) of the first conductive plate (51) toward a second conductive plate (52). Hence, first and second contacts (511, 512) on the first conductive plate (51) contact electrically and respectively third and fourth contacts (521, 522) on the second conductive plate (52).

IPC 8 full level  
**H01H 50/54** (2006.01); **H01H 50/64** (2006.01); **H01H 1/20** (2006.01); **H01H 9/42** (2006.01)

CPC (source: EP)  
**H01H 50/54** (2013.01); **H01H 50/641** (2013.01); **H01H 1/2016** (2013.01); **H01H 9/42** (2013.01); **H01H 50/543** (2013.01)

Citation (search report)

- [Y] DE 9117155 U1 19960829 - EBERLE CONTROLS GMBH [DE]
- [Y] DE 3841667 C1 19900201
- [A] DE 3808558 A1 19880929 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] JP H04248213 A 19920903 - MATSUSHITA ELECTRIC WORKS LTD
- [A] US 2341931 A 19440215 - LLOYD RANDALL E
- [A] GB 342497 A 19310205 - COVENTRY AUTOM TELEPHONES LTD, et al

Cited by  
CN104282493A; US10879023B1; CN114207758A

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1962316 A1 20080827**

DOCDB simple family (application)  
**EP 07250727 A 20070221**