

Title (en)
Bipolar relay

Title (de)
2-poliges Relais

Title (fr)
Relais bipolaire

Publication
EP 2009665 B1 20120926 (DE)

Application
EP 08009063 A 20080516

Priority
DE 102007029633 A 20070626

Abstract (en)
[origin: EP2009665A2] The relay (1) has two single-pole relays (2) including a contact spring (5) that connects or disconnects relay contacts (3, 4). One end of the contact spring is connected with the contact (3). An electric circuit is closed in a relay position of the spring or disconnected in another relay position of the spring over another free end (6) of the spring. A magnetic drive (8) synchronously moves the spring into the respective relay position. The single-pole relays are spaced apart from each other in a movement direction of the spring, where the drive is arranged between the single-pole relays.

IPC 8 full level
H01H 51/22 (2006.01); **H01H 1/20** (2006.01); **H01H 50/54** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP)
H01H 51/2227 (2013.01); **H01H 50/546** (2013.01); **H01H 50/642** (2013.01); **H01H 2050/049** (2013.01)

Cited by
EP2394285A4; CN102903574A; CN106158514A; CN103594291A; FR2988217A1; CN105869955A; WO2010090619A2; US8203403B2; US9899174B2; WO2013186799A1; WO2011028250A1; WO2018223733A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2009665 A2 20081231; **EP 2009665 A3 20090722**; **EP 2009665 B1 20120926**; DE 102007029633 A1 20090102; ES 2395893 T3 20130215; PT 2009665 E 20121207

DOCDB simple family (application)
EP 08009063 A 20080516; DE 102007029633 A 20070626; ES 08009063 T 20080516; PT 08009063 T 20080516