

Title (en)
Relay with modified force-distance characteristic curve

Title (de)
Relais mit modifizierter Kraft-Weg-Kennlinie

Title (fr)
Relais doté d'une caractéristique force-course modifiée

Publication
EP 2704174 B1 20170531 (DE)

Application
EP 13003538 A 20130712

Priority
DE 102012017157 A 20120830

Abstract (en)
[origin: EP2704174A1] The method involves clamping the contact springs (15-20) in the contact supports (1) provided with contacts (22-24). The active contact springs (18-20) is engaged at an actuator (7) so that the magnet systems (2-4) is slidably driven in the longitudinal direction. The actuating faces are engaged with the respectively actuated contact spring. The active contact springs are changed from one operating plane to another operating plane during the stroke of the actuator. An independent claim is included for a relay.

IPC 8 full level
H01H 51/00 (2006.01); **H01H 1/26** (2006.01); **H01H 50/58** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 1/26 (2013.01 - EP US); **H01H 50/58** (2013.01 - EP US); **H01H 50/641** (2013.01 - EP US); **H01H 50/647** (2013.01 - EP US);
H01H 51/00 (2013.01 - US); **H01H 2001/265** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2704174 A1 20140305; **EP 2704174 B1 20170531**; CN 103681117 A 20140326; CN 103681117 B 20160615;
DE 102012017157 A1 20140306; JP 2014049447 A 20140317; JP 5723937 B2 20150527; US 2014062624 A1 20140306;
US 8810343 B2 20140819

DOCDB simple family (application)
EP 13003538 A 20130712; CN 201310389430 A 20130830; DE 102012017157 A 20120830; JP 2013176789 A 20130828;
US 201313966677 A 20130814