

Title (en)

RELAY HAVING TWO SWITCHES THAT CAN BE ACTUATED IN OPPOSITE DIRECTIONS

Title (de)

RELAIS MIT ZWEI GEGENSINNIG BETÄTIGBAREN SCHALTERN

Title (fr)

RELAIS COMPORTANT DEUX COMMULATEURS AGISSANT DE FAÇON OPPOSÉE L'UN PAR RAPPORT À L'AUTRE

Publication

EP 2831901 A1 20150204 (DE)

Application

EP 13715166 A 20130327

Priority

- DE 102012006438 A 20120330
- EP 2013056570 W 20130327

Abstract (en)

[origin: WO2013144232A1] The invention relates to an electromechanical relay, comprising a magnet system and a pivotable armature (12). A diagnostic switch (20) is arranged on a side of the relay, and the contact set (21, 22) of the diagnostic switch is driven by the adjacent leg (12a) of the armature (12). A load switch (30) is arranged on the underside of the relay and is driven by the second leg (12b) of the armature (12) by means of an insulating coupling element (37).

IPC 8 full level

H01H 50/54 (2006.01); **H01H 50/64** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)

H01H 50/02 (2013.01 - US); **H01H 50/14** (2013.01 - US); **H01H 50/18** (2013.01 - US); **H01H 50/54** (2013.01 - US);
H01H 50/541 (2013.01 - EP US); **H01H 51/2236** (2013.01 - US); **H01H 50/642** (2013.01 - EP US); **H01H 51/2272** (2013.01 - EP US);
H01H 51/2281 (2013.01 - EP US); **H01H 51/229** (2013.01 - EP US)

Citation (search report)

See references of WO 2013144232A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012006438 A1 20131002; CN 104221120 A 20141217; CN 104221120 B 20160817; EP 2831901 A1 20150204;
EP 2831901 B1 20160309; ES 2568492 T3 20160429; JP 2015511762 A 20150420; JP 5797351 B2 20151021; US 2015042423 A1 20150212;
US 9275815 B2 20160301; WO 2013144232 A1 20131003

DOCDB simple family (application)

DE 102012006438 A 20120330; CN 201380017461 A 20130327; EP 13715166 A 20130327; EP 2013056570 W 20130327;
ES 13715166 T 20130327; JP 2015502332 A 20130327; US 201314388110 A 20130327