

Title (en)

POLARIZED ELECTROMAGNETIC RELAY AND METHOD FOR PRODUCTION THEREOF

Title (de)

GEPOLTES ELEKTROMAGNETISCHES RELAIS UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

RELAIS ÉLECTROMAGNÉTIQUE POLARISÉ ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2831900 B1 20210428 (DE)

Application

EP 13713418 A 20130327

Priority

- DE 102012006436 A 20120330
- EP 2013056547 W 20130327

Abstract (en)

[origin: WO2013144218A2] Polarised relay with an electromagnet, two-pole or three-pole permanent magnet (11), armature (12) and switch (20; 30) mounted in and on a stack-like support component (40). The support component (40) receives magnetic flux parts (7, 8, 9) and the permanent magnet (11) in an upper chamber (41), said permanent magnet being magnetised while the electromagnet is still located outside the support component (40). The electromagnet is then pushed into a drawer (42) in the support component (40) and the remaining parts of the relay are mounted.

IPC 8 full level

H01H 50/04 (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)

H01H 49/00 (2013.01 - US); **H01H 50/041** (2013.01 - EP US); **H01H 51/22** (2013.01 - EP US); **H01H 51/2236** (2013.01 - US); **H01F 7/122** (2013.01 - EP US); **Y10T 29/49073** (2015.01 - 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)

DE 102012006436 A1 20131002; DE 102012006436 B4 20200130; CN 104170047 A 20141126; CN 104170047 B 20170405; EP 2831900 A2 20150204; EP 2831900 B1 20210428; JP 2015515097 A 20150521; JP 5989225 B2 20160907; US 2015048909 A1 20150219; US 9368304 B2 20160614; WO 2013144218 A2 20131003; WO 2013144218 A3 20131212

DOCDB simple family (application)

DE 102012006436 A 20120330; CN 201380015376 A 20130327; EP 13713418 A 20130327; EP 2013056547 W 20130327; JP 2015502328 A 20130327; US 201314388104 A 20130327