

Title (en)
CONTACT POINT MECHANISM PART, AND ELECTROMAGNETIC RELAY PROVIDED WITH SAME

Title (de)
TEIL FÜR KONTAKTSTELLENMECHANISMUS UND ELEKTROMAGNETISCHES RELAIS DAMIT

Title (fr)
PARTIE MÉCANISME DE CONTACT, ET RELAIS ÉLECTROMAGNÉTIQUE ÉQUIPÉ DE CELLE-CI

Publication
EP 3021342 A4 20170104 (EN)

Application
EP 14823766 A 20140708

Priority
• JP 2013146712 A 20130712
• JP 2014068132 W 20140708

Abstract (en)
[origin: EP3021342A1] Provided is a contact mechanism for engaging driving projections 43, 44 provided on one end of a slidable card 40 with a distal end of a movable contact plate 60 and sliding the card to rotate the movable contact plate, causing movable contacts 56,57 on the movable contact plate to connect with and disconnect from stationary contacts 52, 53. The mechanism comprises a pair of driving projections on one end of the card and projected in opposite directions from neighborhood corners of the one end of the card, and a pair of returning elastic tongues 67b, 67c disposed so that they can make contacts with the driving projections. When the movable contacts are in contact with the stationary contacts, a distance between one of the driving projections 44 and one of the returning elastic tongues 67b is smaller than that between the other of the driving projections 43 and the other of the returning elastic tongues 67c.

IPC 8 full level
H01H 50/64 (2006.01); **H01H 3/00** (2006.01); **H01H 50/56** (2006.01); **H01H 51/22** (2006.01)

CPC (source: CN EP RU)
H01H 3/001 (2013.01 - EP); **H01H 50/24** (2013.01 - EP); **H01H 50/56** (2013.01 - CN EP); **H01H 50/58** (2013.01 - EP);
H01H 50/642 (2013.01 - EP); **H01H 50/645** (2013.01 - CN); **H01H 51/2227** (2013.01 - EP); **H01H 1/28** (2013.01 - EP); **H01H 50/64** (2013.01 - RU);
H01H 51/24 (2013.01 - EP)

Citation (search report)
• [A] EP 2466608 A2 20120620 - TYCO ELECTRONICS AUSTRIA GMBH [AT]
• [A] EP 1852885 A1 20071107 - TYCO ELECTRONICS AUSTRIA GMBH [AT]
• [YA] JP 2003045309 A 20030214 - TYCO ELECTRONICS AUSTRIA GMBH
• [Y] JP S63134409 U 19880902
• See references of WO 2015005313A1

Cited by
DE102021101166B4; US10811205B2; US10784055B2; US2019013172A1; US10650996B2

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 3021342 A1 20160518; EP 3021342 A4 20170104; EP 3021342 B1 20190403; CN 104508787 A 20150408; CN 104508787 B 20161123;
JP 2015018762 A 20150129; JP 5692298 B2 20150401; RU 2615981 C1 20170412; WO 2015005313 A1 20150115

DOCDB simple family (application)
EP 14823766 A 20140708; CN 201480001974 A 20140708; JP 2013146712 A 20130712; JP 2014068132 W 20140708;
RU 2015107536 A 20140708