Title (en)

CONTACT POINT MECHANISM PART AND ELECTROMAGNETIC RELAY EQUIPPED WITH SAME

Title (de)

TEIL EINES KONTAKTSTELLENMECHANISMUS UND ELEKTROMAGNETISCHES RELAIS DAMIT

Title (fr)

PIÈCE DE MÉCANISME DE POINT DE CONTACT ET RELAIS ÉLECTROMAGNÉTIQUE LA COMPRENANT

Publication

EP 3051564 A4 20171011 (EN)

Application

EP 14838853 A 20140829

Priority

- JP 2013202297 A 20130927
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- JP 2014072815 W 20140829

Abstract (en)

[origin: EP3051564A1] Provided is a reliable contact mechanism which requires less driving force and therefore less power consumption for breaking contacts. The contact mechanism engages driving projection 43 on one of ends of sliding card 40 with a distal end of movable contact plate 60, slides the card 40 to rotate movable contact plate 60, and causes movable contact 56 on the movable contact plate 60 to make and break contacts with stationary contact 52. A driving projection 43 on one end of card 40 engages a returning elastic tongue 67c provided on the distal end of the plate 60 to make contacts with driving projection 43, when movable and stationary contacts 56, 52 are in in contact with each other.

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: EP)

H01H 1/26 (2013.01); **H01H 3/001** (2013.01); **H01H 50/56** (2013.01); **H01H 50/642** (2013.01); **H01H 51/2227** (2013.01)

Citation (search report)

- [E] EP 3021340 A1 20160518 - OMRON TATEISI ELECTRONICS CO [JP]
- [XY] JP 2000285783 A 20001013 - OMRON TATEISI ELECTRONICS CO
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- [Y] US 2011048907 A1 20110303 - MOELLER MATTHEW LEN [US], et al
- [Y] EP 0476182 A2 19920325 - SIEMENS AG [DE]
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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3051564 A1 20160803; **EP 3051564 A4 20171011**; BR 112015004484 A2 20170704; CN 105103257 A 20151125; CN 105103257 B 20180615; JP 2015088463 A 20150507; JP 5720840 B2 20150520; MX 2015003167 A 20151216; RU 2015107537 A 20171101; WO 2015045738 A1 20150402

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