

Title (en)

Movable contact member and switch device using movable contact member

Title (de)

Bewegliches Kontaktelement und Schaltvorrichtung mit Verwendung des beweglichen Kontaktelementes

Title (fr)

Élément de contact mobile et dispositif de commutation utilisant un élément de contact mobile

Publication

EP 2515315 A1 20121024 (EN)

Application

EP 12157047 A 20120227

Priority

JP 2011095582 A 20110422

Abstract (en)

A movable contact member (1) includes a swelling portion (11) that swells in the shape of a dome and can operate reversely when pressed, and a skirt portion (12) that is continuously formed from an outer peripheral edge portion (11a) of the swelling portion (11). The skirt portion (12) includes cut-out portions (32) cut out at four portions thereof, portions of the skirt portion (12) except for the cut-out portions (32) form contact portions (52), the cut-out portions (32) of the skirt portion (12) swell toward the swelling portion (11) so that portions of the skirt portion (12) except for the cut-out portions (32) form portions capable of being grounded, and a cut-out face shape (PS) of each of the cut-out portions (32) is a linear shape or a gently curved shape when the skirt portion (12) does not swell. Further, a switch device (201) is formed using the movable contact member (1).

IPC 8 full level

H01H 13/79 (2006.01); **H01H 5/30** (2006.01); **H01H 13/705** (2006.01)

CPC (source: EP)

H01H 5/30 (2013.01); **H01H 13/705** (2013.01); **H01H 13/79** (2013.01); **H01H 13/48** (2013.01); **H01H 2203/05** (2013.01); **H01H 2209/012** (2013.01); **H01H 2215/036** (2013.01); **H01H 2227/026** (2013.01); **H01H 2227/028** (2013.01); **H01H 2227/036** (2013.01)

Citation (applicant)

- JP 2011095582 A 20110512 - KYOCERA MITA CORP
- JP 2000348556 A 20001215 - CITIZEN ELECTRONICS
- JP 2005332664 A 20051202 - FUJIKURA LTD

Citation (search report)

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- [A] DE 3520211 A1 19861211 - ELEKTRONIKUS [HU]
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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

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DOCDB simple family (application)

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