Title (en)

CIRCUIT BREAKER

Title (de)

SCHALTGERÄT

Title (fr)

DISJONCTEUR

Publication

**EP 3146549 A1 20170329 (DE)**

Application

**EP 15723511 A 20150519**

Priority

- DE 102014107266 A 20140522
- EP 2015060987 W 20150519

Abstract (en)

[origin: WO2015177143A1] Disclosed is a switching device (1) comprising: - a contact (6) secured to a housing; - a movable contact (4) arranged on a contact arm (3) which is arranged so as to be movable inside the switching device (1) and which includes an extension (5) facing away from the movable contact (4), the movable contact (4) being designed to enter in contact with the contact (6) that is secured to the housing; - a breaker mechanism (2) that is connected to the movable contact arm (3); - a manually operated lever (7) which is connected to the breaker mechanism (2); and - a snap-action closing mechanism (8) that includes a rotatably mounted snap-action rocker (10) which is controlled by a first cam (9) of the manually operated lever (7) and which includes a contact arm-catching unit (11) that is to come in contact with the extension (5) of the contact arm (3). According to the invention, the contact arm-catching unit (11) has a surface hardness which is greater than or equal to the surface hardness of the extension (5) of the contact arm (3).

IPC 8 full level

**H01H 5/16** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP US)

**H01H 5/16** (2013.01 - EP US); **H01H 21/22** (2013.01 - US); **H01H 21/40** (2013.01 - US); **H01H 71/526** (2013.01 - EP US); H01H 2205/002 (2013.01 - US); H01H 2300/048 (2013.01 - EP US)

Citation (search report)

See references of WO 2015177143A1

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 102014107266 A1 20151126**; EP 3146549 A1 20170329; EP 3146549 B1 20181114; US 2017178842 A1 20170622; WO 2015177143 A1 20151126

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