

Title (en)

Circuit breaker with optimised housing stabilisation through clamping pieces

Title (de)

Leistungsschalter mit optimierter Gehäusestabilisierung durch klemmend wirkende Festschaltstücke

Title (fr)

Commutateur de puissance doté d'une stabilisation de boîtier optimisée par des pièces d'établissement de contacts fixes à effet de serrage

Publication

EP 2573784 A1 20130327 (DE)

Application

EP 11182091 A 20110921

Priority

EP 11182091 A 20110921

Abstract (en)

The breaker has a sliding contact (10), where a movable contact is mounted on a spring and arranged on the sliding contact. The movable contact lies opposite to fixed contacts (1). The fixed contacts include horn-shaped contours (2, 3), which engage in mating contours (15) of switching chamber walls of the breaker. The fixed contacts are designed in a U-shape with two legs and a passage region. The horn-shaped contours are designed as two bars, which are aligned parallel to each other. The bars are spaced at a distance from each other by an opening.

Abstract (de)

Die Erfindung betrifft einen Leistungsschalter mit einem Kontaktschieber (10), in welchem auf einer Feder (11) lagernd ein bewegliches Schaltstück (12) angeordnet ist, das gegenüber liegend zu einem Festschaltstück (1) angeordnet ist. Die Erfindung zeichnet sich dadurch aus, dass das Festschaltstück (1) eine gehörnte Kontur (2,3) aufweist, die in Gegenkonturen (15) der Schaltkammerwände des Leistungsschalters eingreifen.

IPC 8 full level

H01H 9/46 (2006.01); **H01H 1/20** (2006.01); **H01H 71/02** (2006.01)

CPC (source: EP US)

H01H 1/06 (2013.01 - US); **H01H 1/2008** (2013.01 - EP US); **H01H 71/0214** (2013.01 - EP US); **H01H 71/0257** (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US)

Citation (applicant)

WO 0133595 A1 20010510 - MOELLER GMBH [DE], et al

Citation (search report)

- [XAY] EP 1073084 A2 20010131 - ABB PATENT GMBH [DE]
- [Y] EP 0556109 A1 19930818 - TELEMECANIQUE [FR]
- [A] DE 19724710 A1 19980205 - SCHNEIDER ELECTRIC SA [FR]
- [A] DE 19943965 A1 20010315 - MOELLER GMBH [DE]

Cited by

US9147541B2

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)

EP 2573784 A1 20130327; **EP 2573784 B1 20160803**; BR 112014006449 A2 20170328; BR 112014006449 B1 20200908; CN 103688330 A 20140326; CN 103688330 B 20161102; KR 101653697 B1 20160902; KR 20140064994 A 20140528; US 2015008106 A1 20150108; US 9384908 B2 20160705; WO 2013041357 A1 20130328

DOCDB simple family (application)

EP 11182091 A 20110921; BR 112014006449 A 20120903; CN 201280035694 A 20120903; EP 2012067123 W 20120903; KR 20147010640 A 20120903; US 201214127208 A 20120903