

Title (en)

BREAKER AND CONTACT DEVICE THEREOF HAVING FLIPPABLE STATIC CONTACT

Title (de)

SCHUTZSCHALTER UND KONTAKTVORRICHTUNG DAVON MIT UMDREHBAREM STATISCHEM KONTAKT

Title (fr)

DISJONCTEUR ET SON DISPOSITIF DE CONTACT AYANT UN CONTACT STATIQUE POUVANT ÊTRE RETOURNÉ

Publication

EP 3232462 A1 20171018 (EN)

Application

EP 15867524 A 20150129

Priority

- CN 201420777612 U 20141210
- CN 2015071816 W 20150129

Abstract (en)

A contact device having a rotatable static contact and of a circuit breaker comprises a static contact that is embedded in a static contact support. The static contact support is internally provided with a static contact spring and a locating shaft used for mounting the static contact spring. The static contact support is further internally provided with a shaft body passing through the static contact. The shaft body comprises a central shaft passing through the axis of rotation of the static contact, and a bearing shaft passing through the static contact and limiting the static contact spring. A locating shaft (70) is sleeved with the static contact spring. Spring arms extending out from two ends are snapped to the bearing shaft passing through the static contact. The static contact of the device of the invention is rotatably mounted on the static contact support, a repulsive force is generated on the contact to allow a moving contact and the static contact to overturn at the same time, and then an electric arc is prolonged and arc blow-out is accelerated. A step surface passing through the shaft body of the static contact is used for limiting the two sides of the static contact to effectively prevent the static contact from moving in the axial direction of the shaft body, ensure a contact area of the moving contact and the static contact, effectively reduce assembling difficulty and improve assembling efficiency.

IPC 8 full level

H01H 73/04 (2006.01)

CPC (source: EP)

H01H 1/16 (2013.01); **H01H 1/24** (2013.01); **H01H 73/04** (2013.01); **H01H 1/502** (2013.01); **H01H 77/104** (2013.01); **H01H 2001/223** (2013.01)

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 3232462 A1 20171018; **EP 3232462 A4 20180912**; **EP 3232462 B1 20191030**; CN 204348657 U 20150520; MY 193832 A 20221027; SA 517381694 B1 20201101; WO 2016090741 A1 20160616

DOCDB simple family (application)

EP 15867524 A 20150129; CN 201420777612 U 20141210; CN 2015071816 W 20150129; MY PI2017702110 A 20150129; SA 517381694 A 20170610