

Title (en)  
ROTATION DOUBLE-BREAKPOINT MOVABLE CONTACT MODULE

Title (de)  
BEWEGLICHES UND ROTIERENDES KONTAKTMODUL MIT DOPPELTEM HALTEPUNKT

Title (fr)  
MODULE À CONTACTS MOBILES ROTATIFS À DOUBLES POINTS D'OUVERTURE

Publication  
**EP 2768005 B1 20161221 (EN)**

Application  
**EP 12840034 A 20120924**

Priority  
• CN 201110310339 A 20111013  
• CN 2012081807 W 20120924

Abstract (en)  
[origin: EP2768005A1] The present invention discloses a rotary dual breakpoint moving contact module. The rotary dual breakpoint moving contact module comprises a rod-shaped block rotor, a first connection member, a second connection member and a contact bridge. The rod-shaped block rotor is single phase independent. The rod-shaped block rotor has a first through hole at the center, a first shaft is mounted in the first through hole. The rod-shaped block rotor has a first recess on each axial side face, a contact spring is mounted in each first recess and is able to move within a range defined by the first recess. The first connection member is mounted on the rod-shaped block rotor, a second shaft goes through the first connection member. The second shaft and a third shaft goes through the second connection member respectively. The contact bridge crosses through the rod-shaped block rotor, the outer profile of the contact bridge is centrally symmetric, the first shaft and the third shaft go through the contact bridge respectively. Contacts are welded to the end points on both sides of the contact bridge. The rotary dual breakpoint moving contact module of the present invention may realize large current short circuit breaking of rotary dual breakpoint moving contacts, the moving contacts may open quickly and rebound of the moving contacts is prevented, the contact pressure on two contact points is balanced.

IPC 8 full level  
**H01H 71/00** (2006.01); **H01H 1/20** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP)  
**H01H 1/205** (2013.01); **H01H 1/2058** (2013.01); **H01H 73/045** (2013.01)

Cited by  
US2016233043A1; US9837233B2

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

DOCDB simple family (publication)  
**EP 2768005 A1 20140820**; **EP 2768005 A4 20150805**; **EP 2768005 B1 20161221**; BR 112014008569 A2 20170418;  
BR 112014008569 B1 20201215; CN 103050344 A 20130417; CN 103050344 B 20150121; ES 2619710 T3 20170626; MY 170441 A 20190731;  
WO 2013053283 A1 20130418

DOCDB simple family (application)  
**EP 12840034 A 20120924**; BR 112014008569 A 20120924; CN 201110310339 A 20111013; CN 2012081807 W 20120924;  
ES 12840034 T 20120924; MY PI2014001051 A 20120924