

Title (en)

DISCONNECTING SWITCH THAT DETECTS THE FAILURE OF AN ACCELERATION SPRING OF AN ARCING CONTACT

Title (de)

TRENNSCHALTER ZUR ERKENNUNG DES DEFEKTS EINER BESCHLEUNIGUNGSFEDER EINES LICHTBOGENKONTAKTS

Title (fr)

SECTIONNEUR À DÉTECTION DE DÉFAILLANCE D'UN RESSORT D'ACCÉLÉRATION D'UN CONTACT D'ARC

Publication

**EP 3095125 B1 20171004 (FR)**

Application

**EP 15700548 A 20150112**

Priority

- FR 1450261 A 20140114
- EP 2015050415 W 20150112

Abstract (en)

[origin: WO2015107023A1] The invention relates to an electrical cutoff device (1), in particular a disconnecting switch, comprising two arcing electrical contacts (5a, 5b) designed to be moved from a closed position to an open position during an opening operation, by means of the relative translational movement of said arcing contacts along a central axis (19). According to the invention, the device comprises means for accelerating the mobile arcing contact (5b) during the opening operation, employing a spring (16). The device is also designed such that, following the release of energy from the spring (16) during the opening operation, if the mobile arc contact (5b) and the other mobile body (4b') do not find their pre-determined relative positions, the other body (4b') is prevented from reaching the open position by a limit stop.

IPC 8 full level

**H01H 31/32** (2006.01); **H01H 1/38** (2006.01); **H01H 3/30** (2006.01); **H01H 33/12** (2006.01); **H01H 33/40** (2006.01)

CPC (source: EP)

**H01H 3/3052** (2013.01); **H01H 31/32** (2013.01); **H01H 33/12** (2013.01); **H01H 33/40** (2013.01); **H01H 1/385** (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

DOCDB simple family (publication)

**FR 3016470 A1 20150717**; **FR 3016470 B1 20160226**; EP 3095125 A1 20161123; EP 3095125 B1 20171004; WO 2015107023 A1 20150723

DOCDB simple family (application)

**FR 1450261 A 20140114**; EP 15700548 A 20150112; EP 2015050415 W 20150112