

Title (en)
MEDIUM- OR HIGH-VOLTAGE CIRCUIT BREAKER OR ISOLATOR, PROVIDED WITH IMPROVED FIXED CONTACTS, AND METHOD OF USE

Title (de)
MITTEL- ODER HOCHSPANNUNGSSCHALTER ODER -ISOLATOR MIT VERBESSERTEN FESTKONTAKTEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)
INTERRUPTEUR OU DISJONCTEUR À MOYENNE OU HAUTE TENSION, POURVU DE CONTACTS FIXES AMELIORÉS, ET PROCÉDÉ D'UTILISATION

Publication
EP 3213335 A1 20170906 (FR)

Application
EP 15787189 A 20151028

Priority
• FR 1460427 A 20141030
• EP 2015074976 W 20151028

Abstract (en)
[origin: WO2016066682A1] High- or medium-voltage circuit breaker, where a movable contact (1) is displaced by sliding, so as to clear fixed contacts (11, 12) of its gliding surface (2). In accordance with the invention, the fixed contacts (11, 12) possess switching parts (9) separated almost simultaneously, by virtue of an additional difference in level (19) of the movable contact (1), so as to cause the appearance of two simultaneous switching arcs (14, 15), which are extinguished much more quickly than a single, before the current is communicated to the customary arc contacts (5). By this arrangement the fixed contacts (11, 12) and their environment are less exposed to damage.

IPC 8 full level
H01H 1/06 (2006.01); **H01H 1/38** (2006.01); **H01H 33/12** (2006.01)

CPC (source: EP US)
H01H 1/06 (2013.01 - EP US); **H01H 1/385** (2013.01 - EP US); **H01H 33/12** (2013.01 - EP US); **H01H 2203/044** (2013.01 - EP US)

Citation (search report)
See references of WO 2016066682A1

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)
FR 3028089 A1 20160506; FR 3028089 B1 20161230; EP 3213335 A1 20170906; EP 3213335 B1 20210616; JP 2017539049 A 20171228; JP 6786483 B2 20201118; US 10056209 B2 20180821; US 2017316904 A1 20171102; WO 2016066682 A1 20160506

DOCDB simple family (application)
FR 1460427 A 20141030; EP 15787189 A 20151028; EP 2015074976 W 20151028; JP 2017522611 A 20151028; US 201515522427 A 20151028