

Title (en)

FAST TRIGGERING ARRANGEMENT FOR CUTTING A CURRENT PATH IN A SWITCHING DEVICE

Title (de)

SCHNELLAUSLÖSEANORDNUNG ZUM TRENNEN EINES STROMPFADS IN EINEM SCHALTGERÄT

Title (fr)

ARRANGEMENT DE DÉCLENCHEMENT RAPIDE POUR SÉPARATION D'UN TRAJET DE COURANT DANS UN APPAREIL DE COMMUTATION

Publication

EP 3224851 B1 20191023 (DE)

Application

EP 15800786 A 20151124

Priority

- DE 102014117489 A 20141128
- EP 2015077475 W 20151124

Abstract (en)

[origin: WO2016083359A1] The invention relates to a high-speed circuit breaking array for breaking a current path in a switching device in the event of a short circuit or overload, having a drive for moving a drive armature from a standby position to a trigger position, wherein the movement of the drive armature is designed to act on at least one movable contact of the switching device in such a way that the current path is broken using a holding device. The invention also relates to a switching device having a contact system comprising at least one fixed contact and at least one movable contact, wherein in order to make and break a current path the movable contact can be reversibly moved in relation to the fixed contact between a make position and a break position by means of a drive for the purpose of functional switching, and having a high-speed circuit breaking array of this type.

IPC 8 full level

H01H 50/32 (2006.01); **H01F 7/16** (2006.01)

CPC (source: CN EP US)

H01H 50/32 (2013.01 - CN EP US); **H01H 71/32** (2013.01 - US); **H01H 71/321** (2013.01 - US); **H01H 71/322** (2013.01 - US); **H01H 2050/325** (2013.01 - CN EP US)

Citation (examination)

WO 9914769 A1 19990325 - HOLEC HOLLAND NV [NL], et al

Cited by

DE102021122028A1; WO2023025794A1

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)

DE 102014117489 A1 20160602; CN 107210163 A 20170926; CN 107210163 B 20200207; EP 3224851 A1 20171004; EP 3224851 B1 20191023; PL 3224851 T3 20200518; US 10217589 B2 20190226; US 2017345595 A1 20171130; WO 2016083359 A1 20160602

DOCDB simple family (application)

DE 102014117489 A 20141128; CN 201580074335 A 20151124; EP 15800786 A 20151124; EP 2015077475 W 20151124; PL 15800786 T 20151124; US 201515529089 A 20151124