

Title (en)

DISCONNECTING MECHANISM FOR A HIGH VOLTAGE SWITCHING DEVICE

Title (de)

TRENNMECHANISMUS FÜR EINE HOCHSPANNUNGSSCHALTVORRICHTUNG

Title (fr)

MÉCANISME DE DÉCONNEXION POUR DISPOSITIF DE COMMUTATION HAUTE TENSION

Publication

EP 3786996 A1 20210303 (EN)

Application

EP 19194068 A 20190828

Priority

EP 19194068 A 20190828

Abstract (en)

A switching device is disclosed herein. The switching device includes a pair of movable current path arms (12 and 14) detachably coupled with one another via a disconnecting mechanism (10) for controlling transfer of electrical current therebetween. The disconnecting mechanism (10) has a transfer contact system (26, 28) for transferring electrical current from a rotatable terminal stem (30, 32) to the movable current path arm (12, 14). The transfer contact system (26, 28) includes a plurality of flexible braided conducting leads (36) each rigidly fixed at both of its ends to the current path arm (12 or 14) and in rigid contact with the terminal stem (30 or 32), and a connector unit (44) rigidly attached to the terminal stem (30 or 32) and designed so as to support the plurality of flexible conducting leads (36) based on an amperage rating of the switching device, which is greater than or equal to 2500A.

IPC 8 full level

H01H 1/58 (2006.01); **H01H 31/28** (2006.01)

CPC (source: EP)

H01H 1/5822 (2013.01); **H01H 31/28** (2013.01)

Citation (applicant)

EP 2218084 A1 20100818 - SIEMENS AG [DE]

Citation (search report)

- [XYI] CN 202650942 U 20130102 - HUNAN TIANYING ISOLATING SWITCH CO LTD
- [Y] CN 104134565 A 20141105 - STATE GRID CORP CHINA, et al
- [A] WO 2009074501 A1 20090618 - SIEMENS AG [DE], et al
- [A] CN 201383457 Y 20100113 - SHANDONG TAIKAI DISCONNECTING SWITCH CO LTD

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WO2023128977A1

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)

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