

Title (en)

CONTACT ARM AND CONTACT-ESTABLISHING METHOD FOR A DISCONNECT SWITCH

Title (de)

KONTAKTARM UND VERFAHREN ZUM KONTAKTIEREN FÜR EINEN TRENNSCHALTER

Title (fr)

BRAS DE CONTACT ET PROCÉDÉ DE MISE EN CONTACT ÉLECTRIQUE POUR SECTIONNEUR

Publication

EP 3857583 C0 20231101 (DE)

Application

EP 19769075 A 20190903

Priority

- DE 102018216721 A 20180928
- EP 2019073401 W 20190903

Abstract (en)

[origin: WO2020064277A1] The invention relates to a contact arm (1) and a relevant method for a disconnect switch, having at least one profile body (2) and at least one contact element (3), which is in electrical contact with the at least one profile body (2) and is designed to establish electrical contact with a contact counterpart. The at least one profile body (2) has a first diameter d parallel to the at least one contact element (3). The at least one contact element (3) has a concave surface which has a radius of curvature r' and is arranged on a side which is directed away from the profile body (2), wherein the radius of curvature r' is smaller than the radius of curvature r of a circle segment having the first diameter d of the at least one profile body (2). The method comprises electrical contact being established in respect of the contact arm (1) of the disconnect switch, wherein a contact element (3) of the contact arm (1) establishes electrical and/or mechanical contact with a contact counterpart, wherein a concave surface of the contact element (3) which is directed towards the contact counterpart has a radius of curvature r', which is smaller than the radius of curvature r of a circle segment having the maximum diameter d' of the contact element (3).

IPC 8 full level

H01H 1/06 (2006.01); **H01H 31/02** (2006.01); **H01H 31/36** (2006.01)

CPC (source: EP)

H01H 1/06 (2013.01); **H01H 31/026** (2013.01); **H01H 31/36** (2013.01); **H01H 1/50** (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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

WO 2020064277 A1 20200402; BR 112021005389 A2 20210622; CN 112771637 A 20210507; DE 102018216721 A1 20200402; EP 3857583 A1 20210804; EP 3857583 B1 20231101; EP 3857583 C0 20231101; PL 3857583 T3 20240325

DOCDB simple family (application)

EP 2019073401 W 20190903; BR 112021005389 A 20190903; CN 201980063440 A 20190903; DE 102018216721 A 20180928; EP 19769075 A 20190903; PL 19769075 T 20190903