

Title (en)

METHOD AND DEVICE FOR CONDITIONING CONTACT PIECES FOR ELECTRODES OF A VACUUM INTERRUPTER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONDITIONIEREN VON KONTAKTSTÜCKEN FÜR ELEKTRODEN EINER VAKUUMSCHALTTRÖHRE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONDITIONNEMENT DE PIÈCES DE RACCORD POUR ÉLECTRODES D'UN INTERRUPTEUR À VIDE

Publication

EP 4055620 A1 20220914 (DE)

Application

EP 20816116 A 20201117

Priority

- DE 102019219863 A 20191217
- EP 2020082399 W 20201117

Abstract (en)

[origin: WO2021121831A1] The invention relates to a method for conditioning contact pieces (12, 14) for electrodes (16, 18) of a vacuum interrupter (20) by generating an arc (42) between the contact pieces (12, 14), which are arranged spaced apart along an axis (24), wherein, during the conditioning, the arc (42) is moved in a deliberate manner over a variable transverse magnetic field (40). It is provided that, during the conditioning, the arc (42) is deliberately made more diffuse by means of an adjustable longitudinal magnetic field (16). The invention also relates to a corresponding device (10) for conditioning contact pieces (12, 14) for electrodes (16, 18) of a vacuum interrupter (20), in particular for carrying out the stated method.

IPC 8 full level

H01H 1/02 (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP)

H01H 1/0206 (2013.01); **H01H 33/664** (2013.01); **H01H 2001/0205** (2013.01)

Citation (search report)

See references of WO 2021121831A1

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)

DE 102019219863 A1 20210617; CN 114930478 A 20220819; EP 4055620 A1 20220914; WO 2021121831 A1 20210624

DOCDB simple family (application)

DE 102019219863 A 20191217; CN 202080091053 A 20201117; EP 2020082399 W 20201117; EP 20816116 A 20201117