

Title (en)

GAS-INSULATED HIGH OR MEDIUM VOLTAGE CIRCUIT BREAKER WITH RING-LIKE ELEMENT

Title (de)

GASISOLIERTER HOCH- ODER MITTELSPANNUNGSSCHALTER MIT RINGFÖRMIGEM ELEMENT

Title (fr)

DISJONCTEUR HAUTE OU MOYENNE TENSION ISOLÉ AU GAZ COMPORTANT UN ÉLÉMENT DE TYPE ANNEAU

Publication

EP 3588528 A1 20200101 (EN)

Application

EP 19182780 A 20190627

Priority

EP 18180897 A 20180629

Abstract (en)

A gas-insulated high or medium voltage circuit breaker (100) comprising a first arcing contact (101) and a second arcing contact (103), wherein at least one of the two arcing contacts (101, 103) is axially movable along a switching axis (140), wherein during a breaking operation, an arc (130) between the first arcing contact (101) and the second arcing contact (103) is formed in an arcing region. An electrically conductive armature (120) radially surrounds at least part of a diffuser portion (114) of the nozzle (110); an electrically conductive ring-like element (116) is mounted to the diffuser portion (114) and is slideable relative to the armature (120), and the ring-like element (116) is radially outwardly biased such that an outer side of the ring-like element (116) is pressed against the armature (120).

IPC 8 full level

H01H 33/70 (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP)

H01H 33/7023 (2013.01); **H01H 33/7038** (2013.01); **H01H 33/7069** (2013.01); **H01H 33/245** (2013.01)

Citation (search report)

- [XY] JP 2004119290 A 20040415 - TOSHIBA CORP, et al
- [X] US 5585610 A 19961217 - MEYER JEFFRY R [US], et al
- [Y] EP 2325859 A1 20110525 - ABB TECHNOLOGY AG [CH]
- [A] US 3639712 A 19720201 - BALMAT GEORGES, et al
- [A] JP H11162305 A 19990618 - HITACHI LTD

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

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