

Title (en)
GAS-INSULATED LOW- OR MEDIUM-VOLTAGE LOAD BREAK SWITCH

Title (de)
GASISOLIERTER LASTTRENNSCHALTER FÜR NIEDER- ODER MITTELSPANNUNG

Title (fr)
INTERRUPTEUR-SECTIONNEUR BASSE OU MOYENNE TENSION ISOLÉ PAR DU GAZ

Publication
EP 3611745 B1 20240320 (EN)

Application
EP 18189231 A 20180816

Priority
EP 18189231 A 20180816

Abstract (en)
[origin: EP3611745A1] The load break switch (1) comprises a housing (2) defining a housing volume for holding an insulation gas; a movable contact (20) and a fixed contact (10) arranged within the housing volume, the movable contact (20) being movable in relation to the fixed contact (10) along an arcuate trajectory (A) of movement and defining an arcing region (52) in which an arc is formed during an opening operation of the switch (1); a pressurizing system (40, 41), actuated by a movement of the movable contact (20) during opening of the switch (1), for pressurizing the insulation gas; a nozzle (30), the nozzle being arranged within the housing volume and being fixed to the movable contact (20) and/or defining a contacting part (20, 24) of the movable contact (20), wherein the nozzle (30) is adapted to blow the pressurized insulation gas into the arcing region (52) substantially tangentially to the arcuate trajectory (A).

IPC 8 full level
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CPC (source: EP)
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Citation (examination)
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Cited by
EP4418295A1

Designated contracting state (EPC)
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