

Title (en)  
INTERRUPTER UNIT FOR GAS-INSULATED HIGH OR MEDIUM VOLTAGE DEVICE AND GAS-INSULATED HIGH OR MEDIUM VOLTAGE DEVICE

Title (de)  
UNTERBRECHEREINHEIT FÜR EINE GASISOLIERTE HOCH- ODER MITTELSPANNUNGSVORRICHTUNG UND GASISOLIERTE HOCH- ODER MITTELSPANNUNGSVORRICHTUNG

Title (fr)  
UNITÉ D'INTERRUPTEUR POUR DISPOSITIF HAUTE OU MOYENNE TENSION ISOLÉ AU GAZ ET DISPOSITIF HAUTE OU MOYENNE TENSION ISOLÉ AU GAZ

Publication  
**EP 4246548 A1 20230920 (EN)**

Application  
**EP 22162161 A 20220315**

Priority  
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Abstract (en)  
The invention relates to an interrupter unit (10) for a gas-insulated high or medium voltage device comprising a first arcing contact (12) and a second arcing contact (14), wherein at least one of the arcing contacts (12,14) is axially movable along a switching axis (16), a nozzle (18), wherein the nozzle (18) comprises a heating channel (20) for guiding an arc extinguishing gas in a flow-guiding direction (22) to an arcing region (24) formed between the first (12) and the second arcing contact (14) during an opening operation of the arcing contacts (12,14), wherein the heating channel (20) comprises at an opening (30) of the heating channel (20) into the arcing region (24) a terminal section (32), where a radial component of the flow-guiding direction (22) is equal to or greater than an axial component of the flow-guiding direction (22), wherein the terminal section (32) is rotationally symmetric around the switching axis (16), and wherein the terminal section (32) comprises a segment (34), in which a cross-section area orthogonal to the flow-guiding direction (22) is constant with respect to the flow-guiding direction (22) of the heating channel (20). Furthermore, the invention relates to a gas-insulated high or medium voltage device comprising the above interrupter unit (10).

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WO 2013153112 A1 20131017 - ABB TECHNOLOGY AG [CH]

Citation (search report)  
• [XAI] US 2008314873 A1 20081225 - DAHLQUIST ANDREAS [SE], et al  
• [A] DE 19936987 C1 20010125 - SIEMENS AG [DE]  
• [A] WO 2018177824 A1 20181004 - GENERAL ELECTRIC TECHNOLOGY GMBH [CH]  
• [AD] WO 2013153112 A1 20131017 - ABB TECHNOLOGY AG [CH]

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