

Title (en)  
GAS-INSULATED HIGH OR MEDIUM VOLTAGE CIRCUIT BREAKER

Title (de)  
GASISOLIERTER HOCH- ODER MITTELSPANNUNGSLEISTUNGSSCHALTER

Title (fr)  
DISJONCTEUR HAUTE OU MOYENNE TENSION ISOLÉ AU GAZ

Publication  
**EP 4125108 A1 20230201 (EN)**

Application  
**EP 21187695 A 20210726**

Priority  
EP 21187695 A 20210726

Abstract (en)  
The invention relates to a gas-insulated high or medium voltage circuit breaker (1) comprising: a first arcing contact (2) and a second arcing contact (3), whereby the first arcing contact (2) and/or the second arcing contact (3) is axially movable along a switching axis (4), thereby forming, during a breaking operation, an arc (5) between the first arcing contact (2) and the second arcing contact (3) in an arcing region (6), a first nominal contact (7) circumferentially surrounding the first arcing contact (2) and a second nominal contact (8) circumferentially surrounding the second arcing contact (3), a first side shield (9) and a first side cylinder (10) circumferentially surrounding the first nominal contact (7) and a second side shield (11) and a second side cylinder (12) circumferentially surrounding the second nominal contact (8), a chamber insulating tube (13) connecting the first side shield (9) and the second side shield (11) circumferentially around the arcing region (6), and at least one one-way valve (14) configured for allowing, during the breaking operation, an arc-extinguishing gas to escape from the arcing region (6) and/or to enter the chamber insulating tube (13).

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Citation (search report)

- [A] US 2007068904 A1 20070329 - DAHLQUIST ANDREAS [CH], et al
- [A] EP 3087578 A1 20161102 - ABB TECHNOLOGY AG [CH]
- [A] EP 1548780 A1 20050629 - ABB TECHNOLOGY AG [CH]

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