

Title (en)

High and medium voltage gas blast circuit breaker.

Title (de)

Druckgasschalter für Hoch- und Mittelspannung.

Title (fr)

Disjoncteur à haute et moyenne tension à gaz de soufflage.

Publication

EP 0380907 B1 19940309 (FR)

Application

EP 90100019 A 19900102

Priority

FR 8900009 A 19890102

Abstract (en)

[origin: EP0380907A1] High and medium voltage gas-blast circuit-breaker comprising a pressurised dielectric gas-filled cylindrical insulating surround, a main stationary contact (2), a stationary arc contact (3) and a movable gadget connected to an operating member comprising a main moving contact (5A), a moving arc contact (4A) and a blast cylinder (5) associated with a blast nozzle (6) and co-operating with a first piston (13), a second piston (14) integral with the movable gadget and sliding in a second stationary cylinder (8B), characterised in that the second piston (14) has a large cross-section in relation to the cross-section of the blast cylinder, the said second piston being associated with means (15) of low charge loss communication with the arc zone, the said second piston being drilled with calibrated orifices (14C) in order to limit the pressure on that face of the said piston receiving the gases heated by the arc. <??>Applications to high and medium voltage circuit-breakers. <IMAGE>

IPC 1-7

H01H 33/91; **H01H 33/95**

IPC 8 full level

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CPC (source: EP US)

H01H 33/903 (2013.01 - EP US); **H01H 2033/908** (2013.01 - EP US)

Cited by

FR3030869A1; EP0554686A1; EP0508160A3; EP0526296A1; FR2679696A1; US5258589A; US10262813B2; WO2016097258A1

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