

Title (en)

High- or medium voltage circuit breaker with abutting arcing contacts.

Title (de)

Hoch- oder Mittelspannungs-Schalter mit aufeinanderstossenden Lichtbogenkontakten.

Title (fr)

Disjoncteur à haute ou moyenne tension à contacts d'arc en bout.

Publication

EP 0450567 A1 19911009 (FR)

Application

EP 91105182 A 19910402

Priority

FR 9004316 A 19900404

Abstract (en)

Medium-voltage circuit-breaker with abutting arcing contacts, comprising, in an insulating envelope (20) filled with a gas having good dielectric properties, a first stationary arcing contact (24, 27), connected to a first current intake (23), and a moving rig comprising a first tube (32) which can be displaced by an operating rod (46), the said first tube being connected by gliding contacts to a second current intake, the said first tube defining, with a second stationary tube (40), a blast volume and being prolonged by a blast nozzle, the said circuit-breaker further comprising a second arcing contact (50, 51) characterised in that the first tube is milled so as to comprise a first part (31) of small diameter and cooperating with the said second tube (40) to constitute the said blast volume (41), and a second part (32), of larger diameter, carrying the said blast nozzle (37), the two parts being connected by a substantially annular portion (33) comprising through-holes (34) and a shoulder (33A) and constituting a blast piston, the said second contact consisting of a third tube (50) sliding inside the said first part (31) of the said first tube, the said third tube comprising a flange (52) on which is supported a first end of a spring (53), a second end of which is supported on the said shoulder (33A), the said spring being taut when the circuit-breaker is in the engaged position. <IMAGE>

IPC 1-7

H01H 33/91

IPC 8 full level

H01H 33/91 (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)

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- [A] EP 0011542 A1 19800528 - MERLIN GERIN [FR]
- [A] DD 212352 A1 19840808 - LIEBKNECHT TRANSFORMAT [DD]

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