

Title (en)

Gas-blast load-break middle and high voltage switch

Title (de)

Druckgaslastschalter für Mittel- und Hochspannung

Title (fr)

Disjoncteur à gaz de soufflage pour haute et moyenne tension

Publication

EP 0515267 B1 19961113 (FR)

Application

EP 92401368 A 19920520

Priority

FR 9106214 A 19910523

Abstract (en)

[origin: EP0515267A1] The invention relates to a gas-blast circuit breaker comprising a cylindrical metallic or insulating envelope (1) filled with pressurised dielectric gas, a fixed arc contact (3) and a movable rig connected to an operating member comprising a blast cylinder (4) associated with a blast nozzle (6) and cooperating with at least one piston (7), and a moving arc contact (9) carried by a tubular part (8) inside the blast cylinder (4). <??>According to the invention, the internal wall of the said tubular part (8) includes a neck restriction of smaller cross-section than the inner cross-section of the tubular part (8) and coaxial with the latter. <??>Thus cutoff is improved by increasing the gas pressure in proximity to the moving arc contact through a particularly simple and inexpensive arrangement. <IMAGE>

IPC 1-7

H01H 33/70

IPC 8 full level

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CPC (source: EP US)

H01H 33/7015 (2013.01 - EP US); **H01H 33/91** (2013.01 - EP US)

Cited by

FR2715498A1; DE19928080C5; US6646850B1; WO0077809A1; WO0077808A1

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