

Title (en)  
Medium high voltage circuit breaker.

Title (de)  
Mittelspannungsschalter.

Title (fr)  
Disjoncteur à moyenne tension.

Publication  
**EP 0458236 A1 19911127 (FR)**

Application  
**EP 91108128 A 19910521**

Priority  
FR 9006458 A 19900523

Abstract (en)  
Medium-voltage circuit-breaker comprising a leaktight insulating envelope (1) filled with a gas with good dielectric properties, a semi-fixed arc contact (3) connected electrically to a first current intake (2) and a moving contact (10) connected to an operating mechanism and connected up electrically to a second current intake (11), characterised in that the semi-fixed arc contact (3) is linked to a piston (4) which can move in a blast volume (V1) delimited in particular by the inner wall of an insulating cylinder (8) inside the said envelope and a first face (7A) of a blast nozzle (7), the said piston being thrust by a spring (9) kept taut when the circuit-breaker is in the engaged position, the said circuit-breaker comprising a thermal expansion volume (V2) delimited in particular by the inner wall of the said insulating cylinder (8), a second face (7B) of the nozzle and a transverse partition (11) through which the moving contact (10) slides, means being provided so that when a high-intensity current is cut, the piston (4), after having accomplished its travel in the direction of compression of the blast volume (V1), cannot move in the opposite direction. <IMAGE>

IPC 1-7  
**H01H 33/90**; **H01H 33/98**

IPC 8 full level  
**H01H 33/91** (2006.01); **H01H 33/90** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)  
**H01H 33/901** (2013.01 - EP US)

Citation (search report)  
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• [A] DE 3727802 A1 19890302 - LICENTIA GMBH [DE]  
• [A] EP 0149470 A2 19850724 - ALSTHOM ATLANTIQUE [FR]  
• [A] FR 2356258 A1 19780120 - SPRECHER & SCHUH AG [CH]

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EP2387057A1; US8766131B2

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