

Title (en)

High-tension circuit-breaker with a heating chamber and a compression chamber.

Title (de)

Elektrischer Hochspannungs-Leistungsschalter mit einem Heizraum und einem Kompressionraum.

Title (fr)

Disjoncteur de puissance haute tension avec une chambre de chauffage et une chambre de compression.

Publication

**EP 0676783 A3 19970910 (DE)**

Application

**EP 95250062 A 19950317**

Priority

DE 4412249 A 19940406

Abstract (en)

[origin: EP0676783A2] The electric h.v. circuit-breaker has two switch contact parts (1, 2) arranged coaxially to each other. It also has a mechanical compression device (10, 11) for a quenching gas. This is connected to the switch drive. The device also includes a compression chamber (10) and a heating chamber (9) which is elastically expanded by the quenching gas pressure. The heating chamber (9) has at least one element (14) on a bounding wall of the heating chamber (9) which does not bound the compression chamber (10). This element (14) is pushed against a return force by the gas pressure. The element (14) is preferably in the form of a piston movable inside a cylinder (16).

IPC 1-7

**H01H 33/91**

IPC 8 full level

**H01H 33/90** (2006.01); **H01H 33/985** (2006.01); **H01H 33/78** (2006.01)

CPC (source: EP)

**H01H 33/901** (2013.01); **H01H 33/78** (2013.01); **H01H 2033/906** (2013.01); **H01H 2033/908** (2013.01)

Citation (search report)

- [XY] DE 3930550 A1 19910321 - LICENTIA GMBH [DE]
- [Y] EP 0146671 A1 19850703 - SPRECHER & SCHUH AG [CH]
- [Y] US 4242550 A 19801230 - KII MASAMI [JP]
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Cited by

CN110838421A; CN110838420A; EP1863054A1; US7820933B2

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