

Title (en)

Self-blast circuit breaker with rotating arc

Title (de)

Selbstbeblasender Druckgasschalter mit rotierendem Lichtbogen

Title (fr)

Disjoncteur à gaz équipé d'une chambre à autoexpansion et à arc tournant

Publication

EP 0734035 B1 20010829 (FR)

Application

EP 96103750 A 19960310

Priority

FR 9503569 A 19950322

Abstract (en)

[origin: EP0734035A1] The circuit breaker includes a chamber (10) which encloses within the coil (16), a metal radiator (46), made with a number of fins (48) and put into contact with the fixed arc contact (12) to cool hot gases. The radiator is stuck to the internal wall by a tubular sleeve (26), separated from the coil by an insulating covering (24) in magnetic material to strengthen the magnetic field in the arc region. The fixed contact is an annular track formed on the internal edge of the front surface of the coil while the moving contact is held by a spring (32) against the fixed contact and is linked to the chamber wall by a leakage channel (43). The gas chosen is notably sulphur hexafluoride (SF₆).

IPC 1-7

H01H 33/98

IPC 8 full level

H01H 33/915 (2006.01); **H01H 33/98** (2006.01); **H01H 33/985** (2006.01); **H01H 1/62** (2006.01); **H01H 33/70** (2006.01)

CPC (source: EP)

H01H 33/982 (2013.01); **H01H 1/62** (2013.01); **H01H 33/7007** (2013.01)

Cited by

EP0932177A1; FR2774213A1; AU738593B2

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DOCDB simple family (publication)

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