

Title (en)

Electric circuit breaker with self generating pressure and arc rotation.

Title (de)

Elektrischer Schalter mit Druckselbsterzeugung und Lichtbogenrotation.

Title (fr)

Disjoncteur électrique à autoexpansion et à rotation de l'arc.

Publication

EP 0462024 B1 19951004 (FR)

Application

EP 91420172 A 19910530

Priority

FR 9007558 A 19900614

Abstract (en)

[origin: CA2043558A1] A three-phase circuit breaker with self-extinguishing expansion and rotating arc comprises an arc extinguishing chamber per pole housing a pair of stationary and movable contacts, a coil to rotate -the arc, and an exhaust channel in at least one contact to provide on opening a communication and gas outflow between the extinguishing chamber and the expansion volume of an enclosure filled with SF6. The extinguishing chamber has a square or rectangular cross-section to resorb the gas plug after braking of the gas rotation movement, and improve stirring of the gas in the extinguishing chamber.

IPC 1-7

H01H 33/98; **H01H 33/02**; **H02B 13/00**

IPC 8 full level

H01H 33/18 (2006.01); **H01H 33/22** (2006.01); **H01H 33/98** (2006.01); **H01H 33/985** (2006.01)

CPC (source: EP US)

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Cited by

DE10131018C1; DE10055416A1

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EP 0462024 A1 19911218; **EP 0462024 B1 19951004**; CA 2043558 A1 19911215; CA 2043558 C 20000829; DE 69113519 D1 19951109; DE 69113519 T2 19960509; ES 2080279 T3 19960201; FR 2663457 A1 19911220; FR 2663457 B1 19960607; JP 2947982 B2 19990913; JP H04229916 A 19920819; NO 301800 B1 19971208; NO 912294 D0 19910613; NO 912294 L 19911216; US 5166483 A 19921124; ZA 914524 B 19920325

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