

Title (en)

GAS-BLAST HIGH TENSION CIRCUIT BREAKER

Publication

EP 0149470 B1 19880113 (FR)

Application

EP 85100183 A 19850110

Priority

FR 8400474 A 19840113

Abstract (en)

[origin: US4577074A] The gas-blast type high voltage circuit breaker includes a first volume (27) in which gas pressure is increased due to heating by the breaking arc, the gas in this volume escaping to blow out the arc at current zero of the current being interrupted, and a second volume (37) in which the gas is compressed by a piston (39) at the beginning of the breaker opening phase, said gas being directed at the arc during the following phases. Circuit breaker further comprises main fixed contacts (21), fixed arcing contacts (24), main moving contacts and moving arcing contacts, the arc extending between the arcing contacts as the circuit breaker opens, said first volume (27) and second volume (37) being disposed to each side of the arcing region, being annular and ending in nozzles (26, 42) which direct separate jets of gas to the two respective roots of the arc.

IPC 1-7

H01H 33/91

IPC 8 full level

H01H 33/90 (2006.01); **H01H 33/91** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)

H01H 33/901 (2013.01 - EP US); **H01H 2033/902** (2013.01 - EP US)

Cited by

FR2711013A1; FR2575323A1; FR2586136A1; EP0458236A1; FR2662540A1; US5155313A

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0149470 A2 19850724; **EP 0149470 A3 19850814**; **EP 0149470 B1 19880113**; AT E31995 T1 19880115; DE 3561429 D1 19880218; FR 2558299 A1 19850719; FR 2558299 B1 19870320; US 4577074 A 19860318

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