

Title (en)

High voltage circuit breaker with resistance insertion on closing

Title (de)

Hochspannungsschalter mit Einschaltwiderstand

Title (fr)

Disjoncteur à haute tension avec insertion de résistance à la fermeture

Publication

EP 0807945 B1 20030305 (FR)

Application

EP 97400884 A 19970421

Priority

FR 9605910 A 19960513

Abstract (en)

[origin: EP0807945A1] The circuit breaker includes an inserted resistance (3) which comprises a stack of discs (3A) surrounded by an insulating sheath (4) and terminated with a metallic flange (6). Its movement involves a fixed electrode (13) cooperating with the end of the main moving contact (16). The arc extinction nozzle (22) and semi-mobile arc contact (30A) are joined together by a ring (26) and biased by a spring (24) in the direction of separation from the fixed arc contact (9A). In the tripped position the two arc contacts are separated by a gap sufficient to ensure isolation but less than that between the fixed electrode and the main moving contact.

IPC 1-7

H01H 33/16

IPC 8 full level

H01H 33/16 (2006.01)

CPC (source: EP US)

H01H 33/166 (2013.01 - EP US)

Cited by

EP1837889A3

Designated contracting state (EPC)

AT CH DE ES GB IT LI SE

DOCDB simple family (publication)

EP 0807945 A1 19971119; EP 0807945 B1 20030305; AT E233943 T1 20030315; BR 9703144 A 19980623; CA 2206950 A1 19971113; CA 2206950 C 20000229; DE 69719401 D1 20030410; DE 69719401 T2 20040115; ES 2191156 T3 20030901; FR 2748597 A1 19971114; FR 2748597 B1 19980612; US 5841614 A 19981124

DOCDB simple family (application)

EP 97400884 A 19970421; AT 97400884 T 19970421; BR 9703144 A 19970513; CA 2206950 A 19970512; DE 69719401 T 19970421; ES 97400884 T 19970421; FR 9605910 A 19960513; US 85325397 A 19970509