

Title (en)

Circuit breaker with closing resistor and insertion device

Title (de)

Lastschalter mit Einschaltwiderstand und Einfügevorrichtung

Title (fr)

Disjoncteur muni d'une résistance de fermeture avec dispositif d'insertion

Publication

EP 0759629 B1 19991006 (FR)

Application

EP 96401775 A 19960813

Priority

FR 9509935 A 19950818

Abstract (en)

[origin: EP0759629A1] the circuit breaker includes, for each phase, a breaking chamber which encloses moving main and arc contacts (14,15) and a quenching piston (18) in line with a fixed arc contact (11). The closure resistance (5) in series with the latter is inserted by means of a ring (22) sliding with electrical contact (23) along the fixed arc contact, and an insulating cylindrical plunger (28) urged against the ring by a spring (29). When the circuit is open, the distance (d1) of a ring of contacts (25) surrounding the plunger from the moving main contact, and the distance (d2) between additional contacts (31,32) on the sliding ring and on fixed metallic arms (33), are at least equal to the isolation spacing.

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)

Designated contracting state (EPC)

AT CH DE ES GB IT LI SE

DOCDB simple family (publication)

EP 0759629 A1 19970226; EP 0759629 B1 19991006; AT E185444 T1 19991015; DE 69604547 D1 19991111; DE 69604547 T2 20000330; ES 2138305 T3 20000101; FR 2737936 A1 19970221; FR 2737936 B1 19970919; US 5742017 A 19980421

DOCDB simple family (application)

EP 96401775 A 19960813; AT 96401775 T 19960813; DE 69604547 T 19960813; ES 96401775 T 19960813; FR 9509935 A 19950818; US 68991496 A 19960816