

Title (en)

Limiting circuit-breaker provided with electromagnetic means for delaying the return movement of the contact.

Title (de)

Begrenzungsschalter mit einer elektromagnetischen Vorrichtung zur Verzögerung des Zurückfallens des Kontaktes.

Title (fr)

Disjoncteur limiteur équipé d'un dispositif retardateur de retombée de contact à effet électromagnétique.

Publication

EP 0406130 B1 19950118 (FR)

Application

EP 90420285 A 19900615

Priority

FR 8908589 A 19890626

Abstract (en)

[origin: CA2019492A1] LIMITING CIRCUIT BREAKER EQUIPPED WITH AN ELECTROMAGNETIC EFFECT CONTACT FALL DELAY DEVICE A limiting circuit breaker comprises an electrodynamic repulsion contact system, and an electromagnetic latch arranged in the vicinity of the contact system, and electrically insulated from the latter. Actuation of the latch to the active position results from the action of the electromagnetic field due to a short-circuit current flowing in the pole, so as to temporarily keep the movable contact open after repulsion. The latch is equipped with a pair of ferromagnetic brackets, and with a spring blade to return to an inactive position.

IPC 1-7

H01H 77/10

IPC 8 full level

H01H 75/00 (2006.01); **H01H 77/00** (2006.01); **H01H 77/10** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP US)

H01H 1/2041 (2013.01 - EP US); **H01H 77/104** (2013.01 - EP US); **H01H 1/2058** (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US); **H01H 2001/223** (2013.01 - EP US)

Cited by

DE10056818A1; DE19630471A1; DE10219022B3; DE19630470C1

Designated contracting state (EPC)

BE CH DE ES GB IT LI SE

DOCDB simple family (publication)

EP 0406130 A1 19910102; **EP 0406130 B1 19950118**; CA 2019492 A1 19901226; DE 69016111 D1 19950302; DE 69016111 T2 19950810; ES 2069721 T3 19950516; FR 2648952 A1 19901228; FR 2648952 B1 19910913; JP H0337931 A 19910219; US 5029301 A 19910702

DOCDB simple family (application)

EP 90420285 A 19900615; CA 2019492 A 19900621; DE 69016111 T 19900615; ES 90420285 T 19900615; FR 8908589 A 19890626; JP 16655390 A 19900625; US 54441790 A 19900627