

Title (en)

Automatic circuit breaker particularly low voltage protective circuitbreaker

Title (de)

Selbstschalter, insbesondere Niederspannungs-Schutzschalter

Title (fr)

Disjoncteur automatique, particulièrement disjoncteur de protection à basse tension

Publication

EP 0938121 A3 20000607 (DE)

Application

EP 98124674 A 19981224

Priority

DE 19806944 A 19980219

Abstract (en)

[origin: DE19806944C1] The LV protection switch has an insulating housing containing U-shaped terminal rails with fixed contacts and cooperating contact bridges supported by a switch traverse (3) of a duroplastics material. The contacts move together at a rate of at least 3 m/s with a contact stroke of at least 8mm, the switch base plate (12) made of an elastic thermoplastics for pressing arc extinction inserts (11) towards the fixed contact carriers (7), the arc chamber wall having a labyrinth exit path for the arc plasma.

IPC 1-7

H01H 73/04; **H01H 71/02**; **H01H 9/34**

IPC 8 full level

H01H 73/04 (2006.01); **H01H 9/34** (2006.01); **H01H 71/02** (2006.01); **H01H 77/10** (2006.01)

CPC (source: EP)

H01H 73/045 (2013.01); **H01H 9/342** (2013.01); **H01H 9/345** (2013.01); **H01H 71/0207** (2013.01); **H01H 77/107** (2013.01)

Citation (search report)

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- [A] WO 9411894 A1 19940526 - SQUARE D CO [US]
- [A] EP 0727805 A2 19960821 - SIEMENS AG [DE]
- [A] US 4631507 A 19861223 - GUERY JEAN-PIERRE [FR], et al

Cited by

EP1422735A3; EP1367617A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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