

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)

- [A] EP 0351724 A2 19900124 - ASEA BROWN BOVERI [DE]
- [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

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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)

**DE 19806944 C1 19990624**; EP 0938121 A2 19990825; EP 0938121 A3 20000607

DOCDB simple family (application)

**DE 19806944 A 19980219**; EP 98124674 A 19981224