

Title (en)

Automatic thermo-magnetic switch for domestic and similar applications

Title (de)

Thermomagnetischer Schutzschalter für die Hausleittechnik und dergleichen

Title (fr)

Disjoncteur de protection thermomagnétique pour installations domestiques et similaires

Publication

EP 0848403 A3 19981223 (EN)

Application

EP 97203679 A 19971127

Priority

IT MI962474 A 19961127

Abstract (en)

[origin: EP0848403A2] An automatic thermo-magnetic switch for domestic and similar applications able to "carry" for equal volume a nominal current greater by at least 50% than the higher nominal current "carried" by conventional automatic thermo-magnetic switches. The element for thermal protection (TE) against overloads comprises an indirectly heated bimetallic strip (L), while the heat which is developed inside the switch when this switch is traversed by current is at least partially dispelled by the means (G1,G2) for extinguishing the electric arc which is created upon opening the switch.

IPC 1-7

H01H 71/16; H01H 9/52; H01H 9/36; H01H 73/18

IPC 8 full level

H01H 9/36 (2006.01); **H01H 9/52** (2006.01); **H01H 71/16** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)

H01H 9/36 (2013.01); **H01H 9/52** (2013.01); **H01H 71/16** (2013.01); **H01H 73/18** (2013.01)

Citation (search report)

- [A] US 3632932 A 19720104 - BEAUDOIN NORMAN R, et al
- [A] EP 0208176 A1 19870114 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 3575680 A 19710420 - BEAUDOIN NORMAN R, et al
- [A] US 1729860 A 19291001 - AINSWORTH CHESTER D
- [A] FR 2294529 A1 19760709 - ILLINOIS TOOL WORKS [US]
- [A] US 3177324 A 19650406 - BOEHNE EUGENE W

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0848403 A2 19980617; **EP 0848403 A3 19981223**; CN 1066567 C 20010530; CN 1185015 A 19980617; IT 1286408 B1 19980708; IT MI962474 A0 19961127; IT MI962474 A1 19980527

DOCDB simple family (application)

EP 97203679 A 19971127; CN 97122990 A 19971127; IT MI962474 A 19961127