Title (en)
Electrical component protection device

Title (de)
Schutzvorrichtung für elektrisches Bauteil

Title (fr)
Dispositif de protection pour composant électrique

Publication
EP 0769794 B1 20000426 (EN)

Application
EP 96116493 A 19961015

Priority
JP 26820695 A 19951017

Abstract (en)
[origin: EP0769794A1] By pressing the periphery of an overload relay 7 by a rib 8 formed integrally with a terminal cover 3 and pressing the center of the overload relay 7 by a retainer bushing 10 against an upper surface of a hermetic casing 1, the rear surface of the overload relay 7 is securely made to adhere closely to the upper surface of the hermetic casing 1. <IMAGE>

IPC 1-7 (main, further and additional classification)
H01H 61/00; H01H 37/04

IPC 8 full level (invention and additional information)
F04B 39/00 (2006.01); **F04C 29/00** (2006.01); **F04D 29/00** (2006.01); **H01H 37/54** (2006.01); **H01H 61/00** (2006.01)

CPC (invention and additional information)
H01H 37/5436 (2013.01); **H01H 61/002** (2013.01)

Cited by
EP2664796A3

Designated contracting state (EPC)
ES FR GR IT

EPO simple patent family
EP 0769794 A1 19970423; EP 0769794 B1 20000426; CN 1078964 C 20020206; CN 1154444 A 19970716; ES 2146345 T3 20000801; GR 3033580 T3 20000929; JP H09112424 A 19970502; MY 116570 A 20040228

INPADOC legal status

2010-01-29 [PG25 ES] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : ES
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20081016

2009-12-30 [REG ES FD2A] ANNOUNCEMENT OF LAPSE IN SPAIN
- Effective date : 20081016

2009-11-30 [PG25 GR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : GR
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20090505

2009-10-30 [PG25 FR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : FR
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20081031

2009-08-31 [PG25 IT] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : IT
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20081015

2009-07-24 [REG FR ST] NOTIFICATION OF LAPSE
- Effective date : 20090630

2008-05-30 [PGFP GR] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GR
- Payment date : 20070919
- Year of fee payment : 12

2008-04-30 [PGFP FR] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : FR

- Payment date : 20071009
- Year of fee payment : 12

2008-02-29 [PGFP IT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : IT
- Payment date : 20071027
- Year of fee payment : 12

2008-01-31 [PGFP ES] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : ES
- Payment date : 20071102
- Year of fee payment : 12

2001-04-11 [26N] NO OPPOSITION FILED

2000-08-04 [ET] FR: TRANSLATION FILED

2000-08-01 [REG ES FG2A] DEFINITIVE PROTECTION
- Document : ES 2146345 T3

2000-07-11 [ITF] IT: TRANSLATION FOR A EP PATENT FILED
- Owner name : SOCIETA' ITALIANA BREVETTI S.P.A.

2000-04-26 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : B1
- Designated State(s) : ES FR GR IT

1999-03-03 [17Q] FIRST EXAMINATION REPORT
- Effective date : 19990114

1997-08-06 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 19970605

1997-04-23 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A1
- Designated State(s) : ES FR GR IT