

Title (en)
Switch with a switching mechanism actuated at an excessive temperature

Title (de)
Schalter mit einem bei Übertemperatur schaltenden Schaltwerk

Title (fr)
Interrupteur avec un mécanisme de commutation actionné une température excessive

Publication
EP 0778598 A3 19980527 (DE)

Application
EP 96115008 A 19960919

Priority
DE 19546004 A 19951209

Abstract (en)
[origin: EP0778598A2] The switch has a switch mechanism (12) which switches on excessive temperature, to open and close a switch circuit which connects the terminals (26,38) of the switch (10). The switch mechanism (12) has an electrically conductive spring part (29). This acts against a bimetallic component (33) in dependence on the temperature of the latter. In its relaxed state, the spring part (29) is electrically connected to an external terminal (38). It also carries a movable contact (28) which is connected to a fixed contact (24) in dependence on the temperature of the bimetallic component (33). The fixed contact is electrically connected to the other terminal (26). The movable contact (28) is formed integrally with the spring part (29). The movable contact is preferably formed as a curved surface or bump on the spring part. The bimetallic part may be a bimetallic snap plate arranged over the bump (30).

IPC 1-7
H01H 37/54; **H01H 1/58**

IPC 8 full level
H01H 1/58 (2006.01); **H01H 37/54** (2006.01); **H01H 37/64** (2006.01)

CPC (source: EP US)
H01H 37/5427 (2013.01 - EP US); **H01H 37/64** (2013.01 - EP US)

Citation (search report)

- [X] FR 1433185 A 19660325 - BORLETTI SPA
- [X] US 4492946 A 19850108 - LOESCHER MICHAEL R [US]
- [X] US 5121095 A 19920609 - UBUKATA SUSUMU [JP], et al

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)
EP 0778598 A2 19970611; **EP 0778598 A3 19980527**; **EP 0778598 B1 20020410**; AT E216127 T1 20020415; DE 19546004 A1 19970619; DE 19546004 C2 19980115; DE 59609050 D1 20020516; US 5903210 A 19990511

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