

Title (en)

Thermal switch, in particular adjustable temperature controller

Title (de)

Temperaturschalter, insbesondere einstellbarer Temperaturregler

Title (fr)

Interrupteur thermique, en particulier régulateur de température réglable

Publication

EP 0818796 A3 19980930 (DE)

Application

EP 97111286 A 19970704

Priority

DE 19627969 A 19960711

Abstract (en)

[origin: EP0818796A2] The temp. switch has a snap-action switch (25) with a switching spring (26) actuated by an expansion element (14). An actuation element is moved relative to the switching spring, which has an overload protection device, by the expansion element. The overload protection device contains a buffer element (38) arranged between the expansion element and the switching spring whose length can be varied by an applied force greater than the actuation force of the switching spring.

IPC 1-7

H01H 37/20

IPC 8 full level

H01H 37/20 (2006.01); **H01H 37/38** (2006.01); **H01H 3/32** (2006.01); **H01H 13/20** (2006.01)

CPC (source: EP)

H01H 37/38 (2013.01); **H01H 3/32** (2013.01); **H01H 13/20** (2013.01); **H01H 37/20** (2013.01)

Citation (search report)

- [Y] GB 1378693 A 19741227 - DEWANDRE CO LTD C
- [Y] US 4565989 A 19860121 - LOTTER BRUNO [DE], et al
- [A] US 4752658 A 19880621 - MACK DAVID C [US]
- [A] EP 0263917 A2 19880420 - EMERSON ELECTRIC GMBH [DE]

Cited by

KR100612629B1; CN112660274A; EP0962951A3; US7345572B2

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 0818796 A2 19980114; EP 0818796 A3 19980930; EP 0818796 B1 20040929; DE 19627969 A1 19980115; DE 59711967 D1 20041104; ES 2230578 T3 20050501; SI 0818796 T1 20050630; TR 199700563 A2 19980121

DOCDB simple family (application)

EP 97111286 A 19970704; DE 19627969 A 19960711; DE 59711967 T 19970704; ES 97111286 T 19970704; SI 9730689 T 19970704; TR 9700563 A 19970701