

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 0962951 B1 20040218 (DE)

Application

EP 99110331 A 19990528

Priority

DE 19824871 A 19980604

Abstract (en)

[origin: EP0962951A2] The temp. switch has an expansion element (5) that acts upon a switching spring (21) of a snap switch (21) via a force conversion arrangement and an overload protection arrangement for the switch spring with at least one buffer (41) that works in conjunction with the force conversion arrangement (30) and that is deformable above a threshold force associated with the actuation force of the switch during at the switching point. The force conversion arrangement and buffer form a single unit.

IPC 1-7

H01H 37/38

IPC 8 full level

H01H 37/22 (2006.01); **H01H 36/00** (2006.01); **H01H 37/38** (2006.01); **H01H 37/40** (2006.01); **H01H 3/32** (2006.01); **H01H 13/20** (2006.01)

CPC (source: EP KR US)

H01H 36/00 (2013.01 - KR); **H01H 37/38** (2013.01 - EP US); **H01H 3/32** (2013.01 - EP US); **H01H 13/20** (2013.01 - EP US);
Y10T 29/49105 (2015.01 - EP US)

Cited by

DE102015207132A1; DE102016219758B3; DE102004042829A1; US7345572B2; DE102016212329A1; EP3086039A1

Designated contracting state (EPC)

DE ES FR GB GR IT SE

DOCDB simple family (publication)

EP 0962951 A2 19991208; **EP 0962951 A3 20000913**; **EP 0962951 B1 20040218**; AU 3318599 A 19991216; AU 756777 B2 20030123;
CN 1158687 C 20040721; CN 1238543 A 19991215; DE 19824871 A1 19991209; DE 59908551 D1 20040325; ES 2216375 T3 20041016;
JP 4408989 B2 20100203; JP H11353991 A 19991224; KR 100612629 B1 20060814; KR 20000005894 A 20000125; SI 0962951 T1 20040831;
TR 199901257 A2 20000121; TR 199901257 A3 20000121; US 6064294 A 20000516

DOCDB simple family (application)

EP 99110331 A 19990528; AU 3318599 A 19990604; CN 99107169 A 19990604; DE 19824871 A 19980604; DE 59908551 T 19990528;
ES 99110331 T 19990528; JP 15493999 A 19990602; KR 19990020539 A 19990603; SI 9930562 T 19990528; TR 9901257 A 19990604;
US 32521899 A 19990603