

Title (en)

Switch having a temperature-dependent switching mechanism

Title (de)

Schalter mit temperaturabhängigem Schaltmechanismus

Title (fr)

Interrupteur disposant d'un mécanisme de commutation thermosensible

Publication

EP 2048683 A1 20090415 (EN)

Application

EP 08016674 A 20080923

Priority

DE 102007050342 A 20071012

Abstract (en)

A switch (10) has a housing (11) which houses a temperature-dependent switching mechanism (12) and on which a first and a second counter-contact (16, 19) for the switching mechanism (12) are arranged, with the switching mechanism (12) comprising an electrically conductive spring part (31) which carries a movable contact part (32) and a bimetallic snap-action disc (34), which bimetallic snap-action disc (34) is unrestricted below its response temperature, with the spring part (31) making an electrically conductive connection via the contact part (32) between the two countercontacts (16, 19) when the switching mechanism (12) is below the response temperature, with a damping part (35, 37) being arranged between the bimetallic snap-action disc (34) and the spring part (31). (

IPC 8 full level

H01H 37/54 (2006.01)

CPC (source: EP)

H01H 37/5427 (2013.01)

Citation (applicant)

- DE 2121802 A1 19730125 - THERMIK GERAETEBAU GMBH
- EP 0858090 A2 19980812 - THERMIK GERAETEBAU GMBH [DE]
- DE 19727197 A1 19990204 - HOFSAESS MARCEL [DE]
- DE 19636320 A1 19970306 - UCHIYA THERMOSTAT [JP]
- DE 19727383 A1 19990204 - HOFSAESS MARCEL [DE]
- DE 3710672 A1 19881013 - HOFSAESS P [DE]
- US 3755770 A 19730828 - ANDERSEN E

Citation (search report)

- [AD] DE 2121802 A1 19730125 - THERMIK GERAETEBAU GMBH
- [A] US 4091354 A 19780523 - DEUBEL BERNARD S, et al

Cited by

GB2511399A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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