

Title (en)

Switch with a temperature-dependent switching device

Title (de)

Schalter mit einem temperaturabhängigen Schaltwerk

Title (fr)

Interrupteur avec un dispositif de commutation dépendant de la température

Publication

EP 0789376 A3 19980527 (DE)

Application

EP 96116940 A 19961022

Priority

DE 19604939 A 19960210

Abstract (en)

[origin: EP0789376A2] The switch comprises a control mechanism (13) and a casing (12) accommodating the control mechanism, which includes an electrically conducting lower part (14), as well as an electrically conducting cover part (15). The cover part is electrically isolated from the lower part. The control mechanism produces an electric connection between the cover part and the lower part in dependence on its temperature, and connects the circuit on one hand with the cover part and on the other hand with the lower part. At least one resistance (31, 32, 33, 34) is arranged directly inside the casing, and is connected in a switching position of the control mechanism (13) in series with it between cover part and lower part.

IPC 1-7

H01H 37/54; **H01H 1/50**

IPC 8 full level

H01H 1/50 (2006.01); **H01H 37/54** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)

H01H 1/504 (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US); **H01H 37/54** (2013.01 - EP US)

Citation (search report)

- [A] DE 9203559 U1 19920521
- [A] DE 9406806 U1 19950601 - THERMIK GERAETEBAU GMBH [DE]
- [DA] DE 4142716 A1 19930624 - MICROTHERM GMBH [DE]
- [A] US 4878038 A 19891031 - TSAI JAMES T [US]

Cited by

EP0756301A3; EP0994497A3; EP0994498A3; EP0756302A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)

EP 0789376 A2 19970813; **EP 0789376 A3 19980527**; **EP 0789376 B1 20010704**; AT E202874 T1 20010715; DE 19604939 A1 19970814; DE 19604939 C2 19991209; DE 59607216 D1 20010809; ES 2159340 T3 20011001; PT 789376 E 20011030; US 5892429 A 19990406

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EP 96116940 A 19961022; AT 96116940 T 19961022; DE 19604939 A 19960210; DE 59607216 T 19961022; ES 96116940 T 19961022; PT 96116940 T 19961022; US 79225597 A 19970131