

Title (en)
PROTECTIVE SWITCH

Publication
EP 0138069 B1 19880511 (DE)

Application
EP 84110937 A 19840913

Priority
DE 3333620 A 19830917

Abstract (en)
[origin: EP0138069A2] 1. A protective switch (5) for preventing overheating of a temperature-sensitive component (4) of an electrical device (2) in operation, which includes a thermostatic switch (6) which is in thermal contact with the temperature-sensitive component (4) and automatically cuts off the supply of current to the device (2) on attainment of a maximum permissible temperature, and a heating resistor (7) which is electrically connected in parallel with the thermostatic switch (6) and in good thermal contact therewith, said heating resistor keeping the thermostatic switch (6), after it is tripped, in the open position as long as voltage is applied to the device (2) characterized in that the arrangement comprising thermostatic switch (6) and heating resistor (7) is held together by a shrink tubing (10) whose area which is in thermal contact with the temperature-sensitive component (4) is thinner than its other areas whereby the arrangement (6, 7) has a good thermal insulation relative to the outside while its thermal contact with the temperature-sensitive component (4) is sufficient to ensure opening of the thermostatic switch (6) due to undue heating of the temperature-sensitive component (4).

IPC 1-7
H01H 71/14; **H01H 37/04**

IPC 8 full level
H01H 1/50 (2006.01); **H01H 37/04** (2006.01); **H01H 71/14** (2006.01)

CPC (source: EP)
H01H 1/504 (2013.01)

Cited by
FR2612684A1; EP0284916A3; FR2746225A1; EP0801457A1

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EP 0138069 A2 19850424; **EP 0138069 A3 19851002**; **EP 0138069 B1 19880511**; DE 3333620 A1 19850411; DE 3471199 D1 19880616

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