

Title (en)
Temperature controller

Title (de)
Temperaturwächter

Title (fr)
Contrôleur de température

Publication
EP 0696810 B1 19971105 (DE)

Application
EP 95107960 A 19950525

Priority
DE 4428226 A 19940810

Abstract (en)
[origin: DE4428226C1] A bimetallic strip switch (14) is connected in parallel with a first resistive heating element (15) within a housing comprising a trough-shaped base (18) and a cover (19). The element performs a self-holding function with the switch open. The bimetallic strip is also actuated by heat produced by overcurrent in a second heating element (16). The two elements are integrated into the cover on opposite sides of an insulating layer (35) with annular printed contact tracks (37, 38). A fixed contact (29) co-operates with a moving contact (25) on a spring disc (24) movable by the bimetallic element (26).

IPC 1-7
H01H 37/54; **H01H 1/50**

IPC 8 full level
H01H 37/14 (2006.01); **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 37/5427** (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US)

Cited by
EP0741393A3; DE102023104839B3

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)
US 5615072 A 19970325; AT E160050 T1 19971115; DE 4428226 C1 19951012; DE 59500942 D1 19971211; DK 0696810 T3 19980105; EP 0696810 A1 19960214; EP 0696810 B1 19971105; ES 2109032 T3 19980101; JP 3422346 B2 20030630; JP H08171841 A 19960702

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US 51319495 A 19950809; AT 95107960 T 19950525; DE 4428226 A 19940810; DE 59500942 T 19950525; DK 95107960 T 19950525; EP 95107960 A 19950525; ES 95107960 T 19950525; JP 17161695 A 19950615