

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

DOCDB simple family (application)  
**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