

Title (en)  
Thermostat of modular construction

Title (de)  
Nach dem Baukastenprinzip aufgebauter Temperaturwächter

Title (fr)  
Thermostat de construction modulaire

Publication  
**EP 0756302 A3 19980603 (DE)**

Application  
**EP 96106745 A 19960429**

Priority  
DE 19527253 A 19950726

Abstract (en)  
[origin: EP0756302A2] The switch has a bimetallic snap-action disc 34 that inverts its shape when a set temperature is reached and this is mounted with a metal spring backing disc. The assembly is supported at the edges on a conducting ring 23. Located above the assembly is an electrical resistance heating element 17 and underneath is a bias resistance element 43. The bias resistor is connected in series with the switch contacts 32,33 with the heating resistor in parallel. The circuit is coupled to the input output wires 37,39

IPC 1-7  
**H01H 37/54**; **H01H 81/02**

IPC 8 full level  
**H01H 11/00** (2006.01); **H01H 37/54** (2006.01); **H01H 81/02** (2006.01); **H01H 1/50** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)  
**H01H 11/0006** (2013.01 - EP US); **H01H 37/5427** (2013.01 - EP US); **H01H 1/504** (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US); **H01H 81/02** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT CH DE FR LI NL

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**EP 0756302 A2 19970129**; **EP 0756302 A3 19980603**; **EP 0756302 B1 20020313**; AT E214514 T1 20020315; DE 19527253 A1 19970130; DE 19527253 B4 20060105; DE 59608866 D1 20020418; US 5757261 A 19980526

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**EP 96106745 A 19960429**; AT 96106745 T 19960429; DE 19527253 A 19950726; DE 59608866 T 19960429; US 68685296 A 19960726