

Title (en)  
REGULATING DEVICE FOR THE TEMPERATURE OF ELECTRICALLY HEATED APPLIANCES

Publication  
**EP 0057460 B1 19841017 (DE)**

Application  
**EP 82100725 A 19820202**

Priority  
DE 3103561 A 19810203

Abstract (en)  
[origin: EP0057460A2] 1. Regulating device for the temperature of electrically heated appliances with a working bimetallic strip (36) determining the intermittent on-time of the appliance and a compensating bimetallic strip (26) counteracting the influence of the ambient temperature on the working bimetallic strip (36), whereby in said device the compensating bimetallic strip (26) substantially removes the deformation of the working bimetallic strip (36) caused by increasing ambient temperature only up to a given value of the latter as a result of constantly increasing characteristic deformation whilst, in the case of ambient temperatures above this value, the compensating bimetallic strip (26) engages with a stop, characterized in that the stop is arranged between the fixed end (76) of the compensating bimetallic strip (26) and the effective application point (70) in such a way that in the case of temperatures above the given value the deformation of the partial length of the compensating bimetallic strip (26) located between the application point (70) and the stop can continue to act with a correspondingly reduced compensating effect.

IPC 1-7  
**H01H 37/10**

IPC 8 full level  
**H01H 37/10** (2006.01)

CPC (source: EP)  
**H01H 37/10** (2013.01)

Cited by  
CN115810509A; CN112616280A; EP0481355A3; AU654291B2; CN114613643A

Designated contracting state (EPC)  
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0057460 A2 19820811; EP 0057460 A3 19820901; EP 0057460 B1 19841017**; AT E9936 T1 19841115; DE 3103561 A1 19820826; DE 3260973 D1 19841122; YU 23482 A 19851031; YU 43510 B 19890831

DOCDB simple family (application)  
**EP 82100725 A 19820202**; AT 82100725 T 19820202; DE 3103561 A 19810203; DE 3260973 T 19820202; YU 23482 A 19820203