

Title (en)

A thermostat safety device.

Title (de)

Thermostat mit Sicherheitseinrichtung.

Title (fr)

Thermostat avec dispositif de sécurité.

Publication

EP 0342356 A1 19891123 (EN)

Application

EP 89106533 A 19890412

Priority

IT 4572888 A 19880516

Abstract (en)

A safety device for a thermostat to be used in washing machines, dish washers or similar electric household appliances and adapted to regulate the heating temperature of the water. The device comprises an elastically deformable bellows (24) to be moved by the expansion of the liquid contained in the capillary tube (11) and in the temperature sensor (12) of the thermostat, in accordance with the variations of the heating temperature of the water. Said bellows (24) acts, through a rigid arm (19) and an antagonistic spring (20), against an electric switch (16) connected to the heating element (9) of the machine, in series with the thermostatic switch (8) to be actuated by a corresponding bellows (4) of the thermostat. In this way, if the thermostat ceases functioning the bellows (24) causes the switch (16) to open, thereby switching off the heating element (9) and avoiding dangerous overheating of the machine.

IPC 1-7

H01H 35/26

IPC 8 full level

D06F 39/04 (2006.01); **H01H 35/26** (2006.01)

CPC (source: EP US)

D06F 34/24 (2020.02 - EP US); **H01H 35/2671** (2013.01 - EP US); **D06F 2103/16** (2020.02 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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