

Title (en)

Electric heating register for a blow heater.

Title (de)

Elektrisches Heizregister für Heizlüfter.

Title (fr)

Registre de chauffage électrique pour radiateur soufflant.

Publication

EP 0158699 A1 19851023 (DE)

Application

EP 84107534 A 19840629

Priority

DE 3409495 A 19840315

Abstract (en)

[origin: ES8601624A1] The resistance heater is arranged on a ring-formed insulated body which itself is attached to the housing of the air heater. The winding loops of the heater are formed to stand free of the insulated body, and are secured by the clamps. A bimetal switch, in series with the heating resistances, acts as a heat loss protection switch, and it is located on the column which is fixed to the insulating body and holds the terminals. The bimetal switch can be fastened to a recess on the column and then connected to the circuit. - The column has two projecting pieces with the terminals: one some distance from the insulated body and one close to it. The end leads of the winding are connected to these two terminals, one on one side of the column and the other on its other side. The purpose of this arrangement is to ensure accurate activation of the bimetal switch.

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Abstract (de)

Bei einem elektrischen Heizregister, insbesondere für Heizlüfter, mit einer an einem mit dem Heizlüfter-gehäuse verbindbaren Isolierkörper (1) angeordneten Widerstandsheizung (3), mit am Isolierkörper (1) mittels Klemmkörper fixierten, frei abstehenden Wicklungsschlaufen (4) und einem mit der Widerstandsheizung als Wärmeschutzschalter in Reihe liegenden Bimetallschalter (11), der an einem mit dem Isolierkörper (1) verbundenen, die Anschlüsse (7,8) tragenden Steg (6) angeordnet ist und bei dem das eine Ende (4') der Wicklungsschlaufen (4) an einer mit einem Anschluß (7) verbundenen, den Isolierkörper (1) entfernten stegfesten Anbiegung (9) und das andere Ende (4'') der Wicklungsschlaufen (4) an einer auf der anderen Seite des Stegs dem Isolierkörper (1) zugewandt angeordneten, mit einem anderen Anschluß (8) verbundenen stegfesten Anbiegung (9') festgelegt sind, ist zu exakt definierten Schutzschaltungen der Bimetallschalter (11) auf der am Isolierkörper (1) und der diesem entfernt ausgebildeten Anbiegung (9) festgelegten Ende (4') der Wicklungsschlaufe (4) zugewandten Seite am Steg (6) angeordnet.

IPC 1-7

H05B 1/02; **F24H 3/04**

IPC 8 full level

F24H 3/04 (2006.01); **H05B 1/02** (2006.01); **H05B 3/16** (2006.01)

CPC (source: EP US)

H05B 1/0208 (2013.01 - EP US); **H05B 3/16** (2013.01 - EP US)

Citation (search report)

- US 1717550 A 19290618 - CARMEAN JAMES H
- US 3988708 A 19761026 - THORSTEINSSON JOHN B, et al
- DE 510562 C 19301020 - SCHERBIUS & RITTER
- GB 2028595 A 19800305 - BOSBACH GMBH & CO KG WILHELM

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DOCDB simple family (application)

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