

Title (en)

Temperature-regulating device for a heating apparatus.

Title (de)

Temperaturregeleinrichtung für ein Wärmegerät.

Title (fr)

Dispositif de régulation de la température d'un appareil de chauffage.

Publication

EP 0114307 A1 19840801 (DE)

Application

EP 83112652 A 19831215

Priority

DE 3247028 A 19821218

Abstract (en)

1. Temperature regulating and control device for a heating apparatus with a temperature sensor, whose heat transfer element (16) extends between a radiant heater (12) and a glass ceramic cooking surface (11) over part of the radiant heater (12) and which is exposed to the heat generated by the latter, and at one end of the heat transfer member (16), its temperature switch (21) thermally coupled thereto is located outside the heated zone for reducing the heat emission of the heating apparatus, characterized in that the heat transfer member (16) is constructed in rod-like manner and is formed from a tube (17) of scalefree material, particularly high-grade steel, and an inner rod (31) arranged therein made from good heat conducting material, preferably copper, that the temperature switch is a bimetal switch (21) and that the rod-like heat transfer member (16) is guided essentially diagonally over the radiant heater (12).

Abstract (de)

Eine Temperaturregelungs- bzw. Steuereinrichtung für ein Wärmegerät verwendet ein langgestrecktes rohrförmiges Wärmeübertragungselement (16), das aus einem Außenrohr (17) mit einem darin untergebrachten Kupferstab (31) besteht. Das Wärmeübertragungselement (16) ist der Wärme desjenigen Teiles ausgesetzt, das es regeln soll. Am einen Ende des Wärmeübertragungselementes (16) ist ein Bimetall-Schalter (21) angebracht, der wärmemäßig eng mit dem Wärmeübertragungselement (16) verbunden ist.

IPC 1-7

H05B 3/74; **H05B 1/02**; **F24C 15/10**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] DE 1301404 B 19690821 - ROMMELSBACHER, et al
- [A] DE 2045001 A1 19720316 - ROMMELSBACHER H
- [A] US 3710076 A 19730109 - FRAZIER J
- [A] DE 2627373 A1 19771222 - EGO ELEKTRO BLANC & FISCHER
- [A] US 2148407 A 19390221 - PIERSON CHARLES A
- [A] US 2978564 A 19610404 - BLANDING WENDELL S, et al
- [A] FR 2101895 A5 19720331 - GEN ELECTRIC

Cited by

GB2225920A; GB2218605A; CN105252685A; EP0303854A1; US4931621A; ES2264397A1; EP0250880A2; US7388175B2; WO2004066049A1

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