

Title (en)

Heater, especially for kitchen appliances.

Title (de)

Heizer, insbesondere für Küchengeräte.

Title (fr)

Élément chauffant, en particulier pour appareils de cuisine.

Publication

EP 0585831 A2 19940309 (DE)

Application

EP 93113722 A 19930827

Priority

DE 4229373 A 19920903

Abstract (en)

Heating and/or bias resistors (10) are curved into an undulating shape from flat strip and are pressed into the base (7) of insulation (3) such that they are in consequence secured only against lifting off from the base (7), namely by friction. The respective resistor (10) has edge surfaces (14,15) which are continuous without any interruptions and without any steps. In consequence, an area-specific high power density can be achieved with a very simple construction. <IMAGE>

Abstract (de)

Heiz- und/oder Vorwiderstände (10) sind aus Flachband flachwellig gekrümmt und in den Boden (7) einer Isolierung (3) so eingedrückt, daß sie nur dadurch gegen Abheben vom Boden (7), nämlich durch Reibung gesichert sind. Der jeweilige Widerstand (10) weist unabgesetzt ununterbrochen durchgehende Kantenflächen (14, 15) auf. Dadurch läßt sich bei sehr einfacher Ausbildung eine flächenspezifische hohe Leistungsdichte erzielen. <IMAGE>

IPC 1-7

H05B 3/74; H05B 3/68

IPC 8 full level

F24C 7/04 (2006.01); **H05B 3/06** (2006.01); **H05B 3/68** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)

H05B 3/748 (2013.01 - EP US)

Cited by

DE19638640A1; DE19638640C2; EP0625865A3; US5477605A; DE102010011702A1; DE102013216258A1; DE102012002163A1; WO2013113703A1; EP3115698A1; DE102015212916A1

Designated contracting state (EPC)

AT CH DE ES FR GB GR IT LI SE

DOCDB simple family (publication)

EP 0585831 A2 19940309; **EP 0585831 A3 19941228**; **EP 0585831 B1 20010627**; **EP 0585831 B9 20030129**; AT E202671 T1 20010715; AU 4484793 A 19940310; AU 667734 B2 19960404; CN 1087771 A 19940608; CN 1132503 C 20031224; DE 4229373 A1 19940310; DE 59310182 C5 20110512; DE 59310182 D1 20010802; ES 2160583 T3 20011116; GR 3036181 T3 20011031; JP 2639783 B2 19970813; JP H06201139 A 19940719; SI 9300459 A 19940331; SI 9300459 B 20031231; TR 27675 A 19950616; TW 256981 B 19950911; US 5393958 A 19950228; ZA 936468 B 19940322

DOCDB simple family (application)

EP 93113722 A 19930827; AT 93113722 T 19930827; AU 4484793 A 19930825; CN 93118974 A 19930903; DE 4229373 A 19920903; DE 59310182 T 19930827; ES 93113722 T 19930827; GR 20010401029 T 20010706; JP 24032893 A 19930902; SI 9300459 A 19930903; TR 78593 A 19930903; TW 82103713 A 19930512; US 11614593 A 19930902; ZA 936468 A 19930902