

Title (en)

RADIANT HEATING ELEMENT FOR A COOKING AREA

Title (de)

STRAHLUNGSSHEIZKÖRPER FÜR EINE KOCHSTELLE

Title (fr)

ELEMENT CHAUFFANT A RAYONNEMENT POUR UNE ZONE DE CUISSON

Publication

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Application

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Abstract (en)

[origin: US6121587A] PCT No. PCT/EP97/05056 Sec. 371 Date Jun. 4, 1999 Sec. 102(e) Date Jun. 4, 1999 PCT Filed Sep. 16, 1997 PCT Pub. No. WO98/12724 PCT Pub. Date Mar. 26, 1998In a radiant heating body for a cooking location, in particular in the case of a glass ceramic plate (4), an insulating bottom (2) with an insulating annular rim portion (3) is provided in a pot member (1). A heating element (6) is arranged in an air space (5) above the insulating bottom (2). A safety temperature limiter is provided on the pot member (1). In order to achieve a low degree of switching hysteresis and to avoid an expansion bar regulator, the safety temperature limiter is in the form of a bimetal switch component (8) having a housing (9) which is fixed to the pot member (1) and in which a bimetal element (11) is disposed at the side: towards the air space (5). Provided at the annular rim portion (3) is an opening (20, 24) through which the bimetal element (11) is thermally coupled directly or indirectly to the air space (5).

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