

Title (en)

ELECTRIC RADIANT HEATING ELEMENT FOR HEATING COOKING OR HOT PLATES, ESPECIALLY GLASS CERAMIC PLATES

Publication

EP 0116861 B1 19871216 (DE)

Application

EP 84100541 A 19840119

Priority

DE 3302489 A 19830126

Abstract (en)

[origin: EP0116861A1] 1. Electric radiant heater for heating cooking or hotplates (12), particularly glass ceramic plates, with heating elements (18, 18a) arranged in a heating zone (21) at a distance from plate (12) and a temperature regulator (30, 30a) with a rod-like temperature sensor (20, 20a) projecting over the heating zone (21) and passing above the plane of heating elements (18) and which is at least partly shielded against the direct radiation from heating elements (18, 18a) by an insulating material web (25) on which it is arranged, characterized in that the temperature sensor (20, 20a) provided with a temporarily acting thermal shielding is spaced from plate (12) and is exposed to the radiation from plate (12) essentially over its entire length.

IPC 1-7

H05B 1/02; **H05B 3/74**

IPC 8 full level

H05B 1/02 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

H05B 1/0216 (2013.01); **H05B 3/748** (2013.01)

Cited by

DE102008008604A1; GB2192279A; DE3821496A1; EP0288915A3; DE3821495A1; US4665307A; GB2360591A; GB2360591B; GB2340715A; GB2340715B; DE3929965A1; US5113170A; US4901049A; US7417207B2; EP0279368A2; WO8501412A1

Designated contracting state (EPC)

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EP 0116861 A1 19840829; **EP 0116861 B1 19871216**; **EP 0116861 B2 19940302**; AT E31463 T1 19880115; DE 3302489 A1 19840726; DE 3468159 D1 19880128

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