

Title (en)  
Radiant heating element

Title (de)  
Strahlheizkörper

Title (fr)  
Corps de chauffage à rayonnement

Publication  
**EP 0250880 B2 19970423 (DE)**

Application  
**EP 87107772 A 19870528**

Priority  
DE 3622415 A 19860703

Abstract (en)  
[origin: US4810857A] In a radiant heater unit (1) for heating through a hotplate (2), the periphery of the heating field is formed by an initial cooking marginal heating system (9), which is e.g. operated by a short-circuit connection (19), so that it passes much more rapidly from the cold state into the visible glowing state and also in the marginal region use is made of the faster heat transfer there to the bottom (3) of the cooking utensil. The increased radiant power density can also be obtained by other measures, namely by modified insulating conditions in the vicinity of the marginal heating system, by using a PTC resistor in the vicinity of the inner partial power system and similar measures.

IPC 1-7  
**F24C 15/10**; H05B 3/74; H05B 6/06

IPC 8 full level  
**H05B 3/76** (2006.01); **F24C 15/10** (2006.01); **H05B 3/00** (2006.01); **H05B 3/74** (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP US)  
**H05B 3/746** (2013.01 - EP US); **H05B 3/748** (2013.01 - EP US); **H05B 2213/04** (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US)

Cited by  
EP0337147A3; DE3908599A1; DE102006022571A1; WO2007131852A1

Designated contracting state (EPC)  
AT CH DE ES FR GB GR LI SE

DOCDB simple family (publication)  
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