

Title (en)
Radiant heater

Title (de)
Strahlungsheizkörper

Title (fr)
Corps de chauffe rayonnant

Publication
EP 0714223 B1 20010221 (DE)

Application
EP 95116539 A 19951020

Priority
DE 4438648 A 19941028

Abstract (en)
[origin: EP0714223A2] The appts. includes a basic heating zone (21) which, in operation, is continually heated. It also has at least one additional heating zone (22) which can be switched on as required. The additional zone (22) is adapted to form an extension of the basic zone (21) providing a larger total heating surface (23). The heating zones (21, 22) are provided in a carrier with an insulator (13) on which heat conductors (18) are arranged. The insulator surrounds the total heating surface (23) in the form of an insulating outer edge (15). The basic zone and the additional zone (21, 22), when combined, have a greater total power than the basic heating zone (21) alone. A temperature limiter (30) has a temperature probe (36) which extends over the basic zone (21). The flat basic and additional zones (21, 22) are arranged such that they provide overlapping radiation. When combined, the basic and additional zones preferably are connected in parallel. The boundary (19) of the total heating surface (21, 22) is formed by a rib whose height is at most half, but preferably not less than a quarter of the distance between the surface of the insulator (13) and the underside of the cooking surface (16).

IPC 1-7
H05B 3/74

IPC 8 full level
H01H 37/48 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)
H01H 37/48 (2013.01); **H05B 3/74** (2013.01); **H01H 2037/326** (2013.01)

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

DOCDB simple family (publication)
EP 0714223 A2 19960529; EP 0714223 A3 19960710; EP 0714223 B1 20010221; AT E199295 T1 20010315; DE 4438648 A1 19960502; DE 59509035 D1 20010329; ES 2156177 T3 20010616

DOCDB simple family (application)
EP 95116539 A 19951020; AT 95116539 T 19951020; DE 4438648 A 19941028; DE 59509035 T 19951020; ES 95116539 T 19951020