

Title (en)
Electric heater assembly for cooking range

Title (de)
Heizvorrichtung für Elektroherde

Title (fr)
Dispositif chauffant destiné à des cuisinières

Publication
EP 0892584 A3 19990623 (EN)

Application
EP 98305312 A 19980703

Priority
GB 9714935 A 19970717

Abstract (en)
[origin: EP0892584A2] An electric heater assembly for a glass-ceramic top cooking appliance includes a first heating zone (6) provided with at least one first heating element (8), a second heating zone (7) provided with at least one second heating element (9) and control means (13, 14; 24, 25, 26; 27) for energising the heating elements. The second heating zone at least partially surrounds the first heating zone. The control means is adapted to energise separately the at least one first and the at least one second heating elements (8, 9) from a power supply (15) such that the ratio of actual power dissipated to rated power for the at least one first heating element (8) is substantially the same as, or different from, the ratio of actual power dissipated to rated power for the at least one second heating element (9). Thus, at least in a full power setting of the assembly a specific surface power loading is generated over the first heating zone (6) which is greater than, or substantially the same as, a corresponding specific surface power loading generated over the second heating zone (7), whereas in at least one lower power setting of the assembly a further specific surface power loading is generated over the first heating zone (6) which is substantially the same as, or lower than, a corresponding further specific surface power loading generated over the second heating zone (7). <IMAGE>

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H05B 3/74; H05B 1/02

IPC 8 full level
H05B 3/74 (2006.01)

CPC (source: EP)
H05B 3/74 (2013.01)

Citation (search report)
• [X] US 5396047 A 19950307 - SCHILLING WILFRIED [DE], et al
• [X] US 4394564 A 19830719 - DILLS RAYMOND L
• [A] US 5352864 A 19941004 - SCHULTHEIS BERND [DE], et al

Cited by
EP0982972A3; EP2983449A1; DE102008041184A1; US6255629B1; WO03071834A1; DE102008041184B4

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