

Title (en)

Electrical cooking system using a touching heating transfer and corresponding cooking system controlling method

Title (de)

Kontaktwärmeübertragendes elektrisches Kochsystem und Verfahren zum Betreiben eines entsprechenden Kochsystems

Title (fr)

Système de cuisson électrique par transfert de chaleur par contact ainsi que le procédé de commande associé à un tel système

Publication

EP 0991299 A3 20020116 (DE)

Application

EP 99119462 A 19990930

Priority

DE 19845103 A 19980930

Abstract (en)

[origin: EP0991299A2] The electric cooking system has a cooking plate body (5) for heating a cooking pan, provided with a central heating element (17) and a peripheral heating element (21) on its underside, each having an associated temperature sensor. Both temperature sensors and both heating elements are coupled to a control unit (25), for providing a defined temperature expansion gradient between the centre and the outside of the cooking plate body, causing curvature of the upper side of the latter for reducing the relative spacing from the underside of the cooking pan. An Independent claim for an operating method for an electric cooking system is also included.

IPC 1-7

H05B 1/02; H05B 3/68; H05B 3/74

IPC 8 full level

H05B 3/74 (2006.01)

CPC (source: EP)

H05B 3/746 (2013.01); **H05B 2213/07** (2013.01)

Citation (search report)

- [A] US 5352864 A 19941004 - SCHULTHEIS BERND [DE], et al
- [DA] DE 19701640 A1 19980716 - EGO ELEKTRO GERAETEBAU GMBH [DE]
- [A] US 4394564 A 19830719 - DILLS RAYMOND L
- [A] DE 8702883 U1 19870507
- [A] EP 0162620 A2 19851127 - THORN EMI APPLIANCES [GB]
- [A] US 4410793 A 19831018 - FISCHER KARL [DE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0991299 A2 20000405; **EP 0991299 A3 20020116**; DE 19845103 A1 20000406

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