

Title (en)

Detecting process of empty cooking dishes disposed on glass-ceramic panels and the associated device

Title (de)

Verfahren zum Erkennen des Leerkochens von Geschirr bei Kochfeldern mit einer Glaskeramik-Kochfläche und zugehörige Vorrichtung

Title (fr)

Procédé de reconnaissance d'une cuisson à vide d'un élément de vaisselle placé sur des plaques possédant une surface de cuisson vitro-céramique ainsi que le dispositif correspondant

Publication

EP 1028602 B1 20050330 (DE)

Application

EP 99125600 A 19991222

Priority

DE 19906115 A 19990213

Abstract (en)

[origin: EP1028602A2] The method involves comparing a measured temp. with a switch-off temperature, and then forming first and second time derivatives of the temp. signal and detecting actuation of control and regulation elements if the temp. signal lies outside a predefined separation interval w.r.t. the switch-off temp. The method then involves forming a control signal if both time derivatives are positive and the regulating and control elements have not been activated to increase the power delivered within a preceding defined time interval.. An Independent claim is also included for an arrangement for implementing the method.

IPC 1-7

H05B 3/74; **H05B 3/68**

IPC 8 full level

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CPC (source: EP US)

H05B 3/746 (2013.01 - EP US); **H05B 2213/04** (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US)

Cited by

DE102008014268A1; US7928344B2; WO2009112150A3

Designated contracting state (EPC)

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EP 1028602 A2 20000816; **EP 1028602 A3 20020102**; **EP 1028602 B1 20050330**; DE 19906115 C1 20000831; DE 59911842 D1 20050504; ES 2238809 T3 20050901; JP 2000240949 A 20000908; US 6300606 B1 20011009

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EP 99125600 A 19991222; DE 19906115 A 19990213; DE 59911842 T 19991222; ES 99125600 T 19991222; JP 2000030003 A 20000208; US 49758200 A 20000203