Title (en)

Method for recognising the load state of a cooking device for microwave cooking and cooking device for carrying out such a method

Title (de)

Verfahren zur Erkennung des Beladungszustandes eines Gargerätes zum Mikrowellengaren und Gargerät zur Durchführung solch eines Verfahrens

Title (fr)

Procédé de reconnaissance de l'état de chargement d'un appareil de cuisson destiné à la cuisson par micro-ondes et appareil de cuisson destiné à l'exécution d'un tel procédé

Publication

EP 2053315 A3 20110316 (DE)

Application

EP 08167216 A 20081022

Priority

DE 102007051638 A 20071026

Abstract (en)

[origin: EP2053315A2] The method involves activating a microwave generator (20) and deactivating a microwave detector (30) for cooking substances (4) to be cooked. The microwave generator is deactivated and the microwave detector is activated for measuring a loading condition of a cooking chamber (2) of a cooking device (1). Decaying characteristics of microwave radiations, microwave energy and microwave power stored in the cooking chamber during cooking are compared with a stored reference value of the loading condition for measuring the loading condition. An independent claim is also included for a cooking device with an antenna for coupling microwave radiations to a cooking chamber.

IPC 8 full level

F24C 7/02 (2006.01); **H05B 6/64** (2006.01)

CPC (source: EP)

H05B 6/6447 (2013.01); **H05B 6/705** (2013.01)

Citation (search report)

[X] EP 0503898 A1 19920916 - TOSHIBA KK [JP]

Cited by

IT201800003342A1; CN104132383A; US11844171B2; US11129245B2; US11523474B2; WO2019170830A1; US10674570B2; US11729871B2; US9609692B2; US10405380B2; US10999901B2; US9872345B2; US10080264B2; US10492247B2; US10687395B2; US11057968B2; US11653425B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2053315 A2 20090429; **EP 2053315 A3 20110316**; DE 102007051638 B3 20090820; DE 102007051638 B8 20100211; DE 102007051638 B8 20100610

DOCDB simple family (application)

EP 08167216 A 20081022; DE 102007051638 A 20071026