

Title (en)
Cooking apparatus

Title (de)
Gargerät

Title (fr)
Appareil de cuisson

Publication
EP 2418916 A1 20120215 (DE)

Application
EP 11401566 A 20110809

Priority
DE 102010036913 A 20100809

Abstract (en)
The apparatus (1) has a heating device comprising a power oscillator to heat food in a cooking space (2), where a detection device and an evaluating device are provided to detect existence of metal in a sample provided in the cooking space. A control device is established to increase power of a power oscillator, where the detection device is established to detect variation in impedance of the power oscillator. The evaluating device determines the existence of metal based on the impedance variation, when metal is introduced into the cooking space with the sample. An independent claim is also included for a method for operating a microwave apparatus.

Abstract (de)
Gargerät (1) mit wenigstens einem Garraum (2), einer Steuereinrichtung (3) und wenigstens einer Heizeinrichtung (4), wobei wenigstens eine Heizeinrichtung (4) einen Leistungssoszillator (5) als Mikrowellenerzeuger (6) umfasst, sodass die Heizeinrichtung (4) zum Aufheizen von in den Garraum (2) hineingegebenen Speisen (7) geeignet ist, wobei wenigstens eine Detektionseinrichtung (8) und eine Auswerteeinrichtung (9) vorgesehen sind, mit der im Betrieb des Gargerätes das Vorhandensein von Metall (13) in einer in den Garraum (2) hingegebenen Probe (11) detektierbar ist.

IPC 8 full level
H05B 6/66 (2006.01); **H05B 6/64** (2006.01)

CPC (source: EP)
H05B 6/6447 (2013.01); **H05B 6/666** (2013.01)

Citation (search report)
• [X] US 2007278220 A1 20071206 - BOSTICK JAMES EDWARD [US], et al
• [X] JP 2006145146 A 20060608 - I LLB SOLUTIONS CO LTD
• [X] CN 1904483 A 20070131 - LG ELECTRONICS TIANJIN [CN]

Cited by
US10187933B2; US2017064778A1; US9942950B2; US11032878B2; DE102020208535A1; WO2022008257A1; CN105157072A; EP3136823A1; RU2664077C2; WO2014024044A1; WO2018058107A3

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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