

Title (en)
Cooking apparatus

Title (de)
Gargerät

Title (fr)
Appareil de cuisson

Publication
EP 2418916 B1 20151202 (DE)

Application
EP 11401566 A 20110809

Priority
DE 102010036913 A 20100809

Abstract (en)
[origin: EP2418916A1] 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.

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)

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

DOCDB simple family (publication)
EP 2418916 A1 20120215; EP 2418916 B1 20151202; DE 102010036913 A1 20120209; ES 2559817 T3 20160216

DOCDB simple family (application)
EP 11401566 A 20110809; DE 102010036913 A 20100809; ES 11401566 T 20110809