

Title (en)

Method for heating a liquid contained in a cooking vessel and induction heating device

Title (de)

Verfahren zum Beheizen einer in einem Kochgefäß enthaltenen Flüssigkeit und Induktionsheizeinrichtung

Title (fr)

Procédé de chauffage d'un liquide contenu dans un récipient de cuisson et dispositif de chauffage à induction

Publication

EP 2574143 A3 20130717 (DE)

Application

EP 12185387 A 20120921

Priority

DE 102011083383 A 20110926

Abstract (en)

[origin: EP2574143A2] The method involves sequential determination of a parameter value of an oscillating circuit (4), and pressurizing the oscillating circuit with a high frequency voltage wave based on heating power fed into bottom of a cooking vessel (5). A time course of a parameter value is evaluated for determining a boiling point of liquid. A heating power reference value is reduced after a boiling point. A momentary parameter value is determined and stored, and rules of the parameter value are provided based on a reference value. An independent claim is also included for an induction heating device.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP US)

H05B 6/062 (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US)

Citation (search report)

- [X] DE 10231122 A1 20040122 - EGO ELEKTRO GERAETEBAU GMBH [DE]
- [X] DE 10253198 A1 20040624 - ELECTROLUX HOME PROD CORP [BE]
- [A] EP 2020826 A1 20090204 - PANASONIC CORP [JP]
- [A] JP 2009105079 A 20090514 - PANASONIC CORP

Cited by

EP2887763A1; EP3136822A1; EP3267113A1; CN107592691A; EP3307019A1; US2018103511A1; US10820381B2; DE102019102946A1; US10708982B2; US10219327B2

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)

EP 2574143 A2 20130327; EP 2574143 A3 20130717; EP 2574143 B1 20160518; CN 103052193 A 20130417; CN 103052193 B 20161221; DE 102011083383 A1 20130328; ES 2585335 T3 20161005; JP 2013073938 A 20130422; PL 2574143 T3 20161130; US 2013075388 A1 20130328; US 9451657 B2 20160920

DOCDB simple family (application)

EP 12185387 A 20120921; CN 201210459971 A 20120926; DE 102011083383 A 20110926; ES 12185387 T 20120921; JP 2012211695 A 20120926; PL 12185387 T 20120921; US 201213627803 A 20120926