

Title (en)

APPARATUS AND METHOD FOR MEASURING THE TEMPERATURE ON AN INDUCTION HEATING APPARATUS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR TEMPERATURMESSUNG AN EINER INDUKTIONSHEIZVORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MESURE DE TEMPÉRATURE D'UN DISPOSITIF DE CHAUFFAGE PAR INDUCTION

Publication

**EP 2013595 A1 20090114 (DE)**

Application

**EP 07724511 A 20070424**

Priority

- EP 2007003581 W 20070424
- DE 102006021029 A 20060428

Abstract (en)

[origin: DE102006021029A1] The device (11) has a temperature sensor (22) arranged at a lower side of a retainer (13). The temperature sensor is arranged outside of a central area of the retainer and/or an induction heating device. An induction coil of the induction heating device is arranged below the retainer forming a closed area. The temperature sensor is detachably fastened to the induction coil and/or a coil carrier (20) of the induction coil, where the carrier is provided with an insulating material such as temperature-resistant plastic. An independent claim is also included for a method for temperature measurement of an electrical cooking device.

IPC 8 full level

**G01K 1/14** (2006.01); **A47J 36/00** (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP)

**G01K 1/14** (2013.01); **H05B 6/062** (2013.01); **H05B 6/1227** (2013.01); **G01K 2207/06** (2013.01); **Y02B 40/00** (2013.01)

Citation (search report)

See references of WO 2007124891A1

Citation (examination)

- US 5448038 A 19950905 - KIM DAE-RAE [KR]
- GB 2069299 A 19810819 - RICCAR CO LTD, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**DE 102006021029 A1 20071031**; CN 101432608 A 20090513; CN 101432608 B 20121010; EP 2013595 A1 20090114; JP 2009535608 A 20091001; WO 2007124891 A1 20071108

DOCDB simple family (application)

**DE 102006021029 A 20060428**; CN 200780014995 A 20070424; EP 07724511 A 20070424; EP 2007003581 W 20070424; JP 2009506962 A 20070424