

Title (en)

Carrier for an induction coil, an induction heating device, an induction cooktop and a procedure for manufacturing an induction heating device

Title (de)

Träger für eine Induktionsspule, Induktionsheizeinrichtung, Induktionskochfeld und Verfahren zum Herstellen einer Induktionsheizeinrichtung

Title (fr)

Support de bobines d'induction, dispositif de chauffage par induction, plaque de cuisson par induction et procédure de fabrication d'un dispositif de chauffage par induction

Publication

EP 1686836 A1 20060802 (DE)

Application

EP 06001271 A 20060121

Priority

DE 102005005526 A 20050131

Abstract (en)

The carrier has upper and lower plates (14, 15) acting as supporting devices, which are mechanically connected with each other such that a narrow gap is formed between the devices. An induction coil (11) made from a single continuous winding wire including windings is inserted in the narrow gap such that the coil is clamped through the spacing of the supporting devices. The spacing lies within the range of the coil dimension. Independent claims are also included for the following: (A) an induction hob including an induction heating device with an induction coil (B) a method for manufacturing an induction coil.

IPC 8 full level

H05B 6/36 (2006.01)

CPC (source: EP US)

H05B 6/1281 (2013.01 - EP US); **H05B 2206/022** (2013.01 - EP US)

Citation (search report)

- [X] US 4770355 A 19880913 - MORI MASAYA [JP], et al
- [X] US 5686006 A 19971111 - GASPARD JEAN-YVES [FR]
- [X] US 6038760 A 20000321 - ANTOINE DOMINIQUE [FR], et al
- [X] FR 2309109 A1 19761119 - OREGA ELECTRO MECANIQUE [FR]
- [X] PATENT ABSTRACTS OF JAPAN vol. 013, no. 330 (E - 793) 25 July 1989 (1989-07-25)

Cited by

EP2429260A3; EP3334249A1; AU2019291371B2; WO2019243930A1; WO2018116060A1; WO2019243931A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1686836 A1 20060802; CN 1819726 A 20060816; DE 102005005526 A1 20060824; US 2006191912 A1 20060831

DOCDB simple family (application)

EP 06001271 A 20060121; CN 200610008982 A 20060205; DE 102005005526 A 20050131; US 34198106 A 20060127