

Title (en)

Induction hob with at least one inductor and an operating device and method for producing same

Title (de)

Induktionskochfeld mit zumindest einem Induktor und einer Bedienvorrichtung sowie Verfahren zum Herstellen eines Induktionskochfelds

Title (fr)

Table de cuisson à induction dotée d'au moins un inducteur et d'un dispositif de commande et procédé de fabrication d'une table de cuisson à induction

Publication

EP 2337427 A3 20121031 (DE)

Application

EP 10194543 A 20101210

Priority

ES 200931209 A 20091221

Abstract (en)

[origin: EP2337427A2] The cooker has inductors (4) arranged in a matrix-form, and a touch-sensitive operating device (5) arranged adjacent to a front side of a cooker plate (2). Electrical components (5a-5c) of the operating device are shielded against electromagnetic fields by using a shielding device (8), where the fields are produced during the operation of the inductors. The shielding device is arranged between the inductors and the electrical components and made from aluminum. The shielding device is attached to a lower side of the cooker plate, and has a plate-shaped shielding frame (9). An independent claim is also included for a method for manufacturing an induction cooker.

IPC 8 full level

H05B 6/12 (2006.01)

CPC (source: EP ES)

H05B 6/1209 (2013.01 - EP ES); **H05B 2213/03** (2013.01 - EP)

Citation (search report)

- [XYI] DE 202009000990 U1 20090326 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] DE 202008016268 U1 20090312 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] JP 2007109667 A 20070426 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] EP 0706303 A2 19960410 - BALAY SA [ES]
- [Y] DE 102005005527 A1 20060803 - EGO ELEKTRO GERAETEBAU GMBH [DE]
- [Y] EP 0808080 A1 19971119 - EUROP EQUIP MENAGER [FR]
- [A] DE 19935835 A1 20010215 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by

RU176672U1; DE102012020458A1; ITMI20111472A1

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 2337427 A2 20110622; **EP 2337427 A3 20121031**; **EP 2337427 B1 20170621**; ES 2394371 A1 20130131; ES 2394371 B1 20131211; ES 2634908 T3 20170929

DOCDB simple family (application)

EP 10194543 A 20101210; ES 10194543 T 20101210; ES 200931209 A 20091221