

Title (en)
Induction hob with multiple inductors

Title (de)
Induktionskochfeld mit mehreren Induktoren

Title (fr)
Champ de cuisson à induction doté de plusieurs inducteurs

Publication
EP 2214454 B1 20111005 (DE)

Application
EP 10151166 A 20100120

Priority
ES 200900349 A 20090128

Abstract (en)
[origin: EP2214454A1] The cooker has a control unit for activating and deactivating inductors (10a, 10b), and a switching element (68) for earthing one of the inductors. The control unit closes the switching element, and earths the inductors when the inductors are deactivated. The switching element is designed as a semiconductor switch having inverters (32a) that are connected with the inductors. The inductors are identically constructed and arranged on a two-dimensional grid. The switching element includes a transistor (64) and a diode (60) that is arranged parallel to the transistor. An independent claim is also included for a method for operating an induction cooker.

IPC 8 full level
H05B 6/12 (2006.01)

CPC (source: EP ES)
H05B 6/12 (2013.01 - ES); **H05B 6/1209** (2013.01 - EP); **H05B 2213/03** (2013.01 - EP)

Cited by
EP2445307A1; EP2445308A1; FR2966691A1; EP2670213A3

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2214454 A1 20100804; EP 2214454 B1 20111005; AT E527858 T1 20111015; ES 2358819 A1 20110516; ES 2358819 B1 20120402; ES 2374872 T3 20120222

DOCDB simple family (application)
EP 10151166 A 20100120; AT 10151166 T 20100120; ES 10151166 T 20100120; ES 200900349 A 20090128