

Title (en)
INDUCTION HEATING COOKER

Title (de)
INDUKTIONSHERD

Title (fr)
PLAQUE DE CUISSON À INDUCTION

Publication
EP 3013121 A4 20160629 (EN)

Application
EP 14813316 A 20140530

Priority
• JP 2013127252 A 20130618
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• JP 2014002868 W 20140530

Abstract (en)
[origin: EP3013121A1] An induction heating cooker of the present invention includes first and second induction heating units (61, 62), each of first and second induction heating units (61, 62) including: a plurality of induction heating coils (31, 32, 33, 34); a plurality of inverters (41, 42, 43, 44) that individually drive a plurality of induction heating coils (31 to 34); a temperature detector that detects a temperature of cooking container (11, 12); and power supply and controller (51, 52) that supplies power to inverters (41 to 44), and controls inverters (41 to 44) in accordance with an output of the temperature detector. In first induction heating unit (61), one infrared sensor (81) of the infrared sensors included in the temperature detector is provided in association with one of induction heating coils (31) provided at a foremost position. In second induction heating unit (62), one infrared sensor (82) of the infrared sensors included in the temperature detector is provided in association with one of induction heating coils (34) provided at a rearmost position. According to the present invention, it is possible to configure a lower cost induction heating cooker enabling high accurate heating control by temperature detection with good responsiveness.

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H05B 6/12 (2006.01)

CPC (source: EP)
H05B 6/062 (2013.01); **H05B 2213/06** (2013.01); **H05B 2213/07** (2013.01)

Citation (search report)
• [X] EP 2413659 A1 20120201 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] EP 2590475 A2 20130508 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] EP 2410815 A1 20120125 - PANASONIC CORP [JP]
• [A] JP 2010287314 A 20101224 - MITSUBISHI ELECTRIC CORP
• See references of WO 2014203468A1

Cited by
US11013071B2; WO2018106013A1

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

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