

Title (en)  
INDUCTION COOKING APPARATUS, COMBINED COOKING APPARATUS, AND INDUCTION COOKING SYSTEM EQUIPPED WITH THESE

Title (de)  
INDUKTIONSKOCHVORRICHTUNG, KOMBINIERTE KOCHVORRICHTUNG UND DAMIT AUSGESTATTETES INDUKTIONSKOCHSYSTEM

Title (fr)  
APPAREIL DE CUISSON PAR INDUCTION, APPAREIL DE CUISSON COMBINÉ ET SYSTÈME DE CUISSON PAR INDUCTION ÉQUIPÉ DE CEUX-CI

Publication  
**EP 3364718 A4 20190529 (EN)**

Application  
**EP 15906268 A 20151016**

Priority  
JP 2015079274 W 20151016

Abstract (en)  
[origin: EP3364718A1] An aspect of the present invention provides an induction-heating cooking system comprising an induction-heating cooker and a combined cooker. The combined cooker comprises: an induction-heated part inductively heated with a first electric power by the high-frequency magnetic field generated by the first magnetic field generator; an electric generator electromagnetically induced by the high-frequency magnetic field generated by the second magnetic field generator to generate a second electric power; and a cooking support unit operating by using the second electric power acquired by the electric generator. When the induction-heated part of the combined cooker is placed on the induction heating area and the electric generator of the combined cooker is placed on the cooking device area, the controller controls the first and second inverter circuits independently of each other such that a food cooked by the combined cooker is heated by the induction-heated part while cooking of the food on the induction-heated part is supported by the cooking support unit.

IPC 8 full level  
**H05B 6/12** (2006.01)

CPC (source: EP)  
**H05B 6/12** (2013.01); **H05B 2213/05** (2013.01)

Citation (search report)

- [A] JP H07263132 A 19951013 - MITSUBISHI ELECTRIC CORP, et al
- [A] WO 2014129208 A1 20140828 - PANASONIC CORP [JP]
- [A] US 3761668 A 19730925 - HARNDEN J, et al
- [A] WO 2013098016 A1 20130704 - ARCELIK AS [TR], et al
- See references of WO 2017064804A1

Cited by  
US11324081B2

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

DOCDB simple family (publication)  
**EP 3364718 A1 20180822; EP 3364718 A4 20190529; EP 3364718 B1 20210908**; CN 108141927 A 20180608; CN 108141927 B 20201113; ES 2891788 T3 20220131; JP 5992131 B1 20160914; JP WO2017064804 A1 20171012; WO 2017064804 A1 20170420

DOCDB simple family (application)  
**EP 15906268 A 20151016**; CN 201580083752 A 20151016; ES 15906268 T 20151016; JP 2015079274 W 20151016; JP 2016520717 A 20151016