

Title (en)

SMART AND SAFE COOKWARE AND COOKING SYSTEM

Title (de)

INTELLIGENTES UND SICHERES KOCHGESCHIRR UND KOCHSYSTEM

Title (fr)

USTENSILE DE CUISINE ET SYSTÈME DE CUISSON INTELLIGENTS ET SÉCURISÉS

Publication

EP 3979768 C0 20230823 (EN)

Application

EP 21209368 A 20191118

Priority

- EP 21209368 A 20191118
- EP 19209679 A 20191118

Abstract (en)

[origin: EP3823417A1] The present invention discloses a cooking method on an induction cooktop (2) with improved cooking temperature control and safety, the cooking system (1), and smart cookware (10). The smart cookware (10) (which can be any type of pot, bowl or pan) has an integrated temperature sensor for precise temperature regulation. Further, the cookware (10) comprises its heating layer made of ferromagnetic material having Curie-point selected for safety to limit the maximum heating temperature by the induction, to prevent catching fire due to overheating and to protect the cookware (10) from overheating. The cooking method comprises additional steps for adjusting heating power according to the properties of the said ferromagnetic material with Curie-point. The cooking system comprises at least smart cooktop (2) and smart cookware (10) altogether implementing said method with improved cooking temperature control and safety.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/062 (2013.01); **H05B 2206/023** (2013.01); **H05B 2213/06** (2013.01); **H05B 2213/07** (2013.01)

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

EP 3823417 A1 20210519; EP 3979768 A1 20220406; EP 3979768 B1 20230823; EP 3979768 C0 20230823

DOCDB simple family (application)

EP 19209679 A 20191118; EP 21209368 A 20191118