

Title (en)

INDUCTION COOKTOP AND METHOD FOR CONTROLLING AN INDUCTION COOKTOP

Title (de)

INDUKTIONSKOCHFELD SOWIE VERFAHREN ZUR STEUERUNG EINES INDUKTIONSKOCHFELDS

Title (fr)

PLAQUE DE CUISSON À INDUCTION ET PROCÉDÉ DE COMMANDE D'UNE PLAQUE DE CUISSON À INDUCTION

Publication

EP 3026981 B1 20170809 (DE)

Application

EP 15193655 A 20151109

Priority

DE 102014224051 A 20141125

Abstract (en)

[origin: US2016150600A1] An induction hob has a hob plate, a plurality of induction heating coils arranged under the hob plate and a plurality of sensor coils arranged under the hob plate. The induction heating coils are rectangular, wherein at least two induction heating coils are arranged one behind the other and at least three induction heating coils are arranged one next to the other. Two adjacent induction heating coils form an adjacent region with one another in which the two induction heating coils lie with their adjacent sides. At least one sensor coil is arranged in each adjacent region, wherein precisely a single sensor coil is provided in a spacing direction from the one induction heating coil to the adjacent induction heating coil.

IPC 8 full level

H05B 6/36 (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP US)

H05B 6/062 (2013.01 - EP US); **H05B 6/065** (2013.01 - US); **H05B 6/36** (2013.01 - US); **H05B 2213/03** (2013.01 - EP US); **H05B 2213/05** (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US)

Cited by

EP3490339A1; DE102017221341A1; EP3799527A1; EP3478027A1; EP3422812A1; EP3422809A1; EP3422808A1; EP3422813A1; ES2684518A1; DE102019214910A1; EP3361827A1; EP3422810A1; EP3422811A1; EP3876671A1; EP3307018A1; DE102017212216A1; US11006485B2; US11178732B2; US11785680B2; US10869365B2; US11153938B2; US11770881B2; US11202345B2; US11265975B2; EP3537049A1; DE102018203607A1; EP3855868A1

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DOCDB simple family (application)

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