

Title (en)

METHOD AND ARRANGEMENT FOR SUPPLYING POWER TO SEVERAL INDUCTION COILS IN AN INDUCTION APPARATUS

Title (de)

VERFAHREN UND ANORDNUNG ZUR LEISTUNGSVERSORGUNG MEHRERER INDUKTIONSSPULEN BEI EINEM INDUKTIONSGERÄT

Title (fr)

PROCEDE ET DISPOSITIF D'ALIMENTATION ELECTRIQUE DE PLUSIEURS BOBINES D'INDUCTION D'UN APPAREIL D'INDUCTION

Publication

EP 1878309 B1 20120725 (DE)

Application

EP 06742762 A 20060502

Priority

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- DE 102005021888 A 20050504

Abstract (en)

[origin: WO2006117182A1] The aim of the invention is to operate induction coils (L1, L2) of an induction cooking hob (11) with as little noise as possible. Said aim is achieved by operating the induction coils (L1, L2) at the same frequency f_{g} (mode of operation a) or at a frequency difference Δf of about 18 kHz (mode of operation c), especially during alternating operation. Changing back and forth between said modes of operation makes it possible to reach predefined values (P_1 , P_2) for the power of the induction coils (L1, L2) at the mean-time value while disturbing noise is prevented from developing.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP KR US)

H05B 6/06 (2013.01 - KR); **H05B 6/065** (2013.01 - EP US); **H05B 6/44** (2013.01 - KR)

Cited by

ES2392223A1; EP4044767A4; EP4383943A1

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DOCDB simple family (publication)

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