

Title (en)
COOKING APPLIANCE

Title (de)
GÄRGERÄTEVORRICHTUNG

Title (fr)
DISPOSITIF POUR APPAREIL DE CUISSON

Publication
EP 3123819 B1 20200219 (DE)

Application
EP 15708344 A 20150227

Priority
• ES 201430405 A 20140324
• IB 2015051463 W 20150227

Abstract (en)
[origin: WO2015145278A1] The invention relates to a cooking appliance, in particular an induction hob device, having at least one inductor (10a, 11a; 10b, 11b), at least one inverter (12a; 12b), which is provided to provide a high-frequency heating current (I) for the at least one inductor (10a, 11a; 10b, 11b), at least one switch (14a, 16a; 14b, 16b), which is provided to interrupt and/or produce at least one line path (18a; 18b) between the at least one inverter (12a; 12b) and the at least one inductor (10a, 11a; 10b, 11b), and a control unit (20a; 20b), which is provided to deactivate the at least one inverter (12a; 12b) during at least one first time interval (22a; 22b) and to cause the at least one switch (14a, 16a; 14b, 16b) to switch, wherein the switching begins and ends within at least one second time interval (24a; 24b) which, in a normal operating state, is arranged within the at least one first time interval (22a; 22b) and which, in a faulty operating state, has at least one time (T) which lies outside the at least one first time interval (22a; 22b). In order to increase operational reliability, the control unit (20a; 20b) according to the invention is provided to match the at least one first time interval (22a; 22b) and the at least one second time interval (24a; 24b) dynamically to each other.

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP US)
H05B 6/062 (2013.01 - EP US); **H05B 6/065** (2013.01 - EP US)

Cited by
EP3376826A1; US10660162B2

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)
WO 2015145278 A1 20151001; EP 3123819 A1 20170201; EP 3123819 B1 20200219; ES 2776387 T3 20200730; US 10237925 B2 20190319; US 2017079092 A1 20170316

DOCDB simple family (application)
IB 2015051463 W 20150227; EP 15708344 A 20150227; ES 15708344 T 20150227; US 201515122939 A 20150227