

Title (en)
COOKING APPLIANCE

Title (de)
GÄRGERÄTEVORRICHTUNG

Title (fr)
DISPOSITIF POUR APPAREILS DE CUISSON

Publication
EP 3127398 A1 20170208 (DE)

Application
EP 15716144 A 20150324

Priority
• ES 201430485 A 20140402
• IB 2015052127 W 20150324

Abstract (en)
[origin: WO2015150967A1] The starting point for the invention is a cooking appliance, particularly a hob appliance, having at least one mechanical switch (10, 12) that has at least one armature element (70) and at least one driver coil (72) that is provided at least for the purpose of initiating at least one switching process in the at least one armature element (70), having at least one driver circuit (14) that is provided for the purpose of providing at least one average coil voltage for the at least one driver coil (72), and having a control unit (28) that is provided for the purpose of providing at least one control signal (S1, S2) for controlling the at least one driver circuit (14). In order to improve a switching speed and/or a switching reliability, it is proposed that the control unit (28) be provided for the purpose of dividing the at least one switching process into at least one first time subrange (ta) and at least one second time subrange (tb) and operating the at least one driver coil (72) differently in the at least two time subranges (ta, tb) using the at least one driver circuit (14).

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP US)
F24C 7/081 (2013.01 - US); **H05B 6/062** (2013.01 - EP US)

Citation (search report)
See references of WO 2015150967A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015150967 A1 20151008; EP 3127398 A1 20170208; EP 3127398 B1 20201104; ES 2836902 T3 20210628; IT BA20150014 U1 20160902; US 10477625 B2 20191112; US 2017127479 A1 20170504

DOCDB simple family (application)
IB 2015052127 W 20150324; EP 15716144 A 20150324; ES 15716144 T 20150324; IT BA20150014 U 20150302; US 201515126608 A 20150324