

Title (en)  
DOMESTIC APPLIANCE DEVICE

Title (de)  
HAUSHALTSGERÄTEVORRICHTUNG

Title (fr)  
APPAREIL ÉLECTROMÉNAGER

Publication  
**EP 4159003 A1 20230405 (DE)**

Application  
**EP 21726660 A 20210520**

Priority  
• EP 20382471 A 20200602  
• EP 2021063457 W 20210520

Abstract (en)  
[origin: WO2021244860A1] The invention relates to a domestic appliance device (10a-e), in particular a cooking appliance device, comprising at least one control unit (12a-e) which is provided to control at least one induction target (14a-e) repetitively with a switching frequency (16a-e) and to supply same with power. According to the invention, in order to provide a generic device with improved efficiency, the control unit (12a-e), in an operating state, modulates the switching frequency (16a-e) within a modulation period (18a-e) which corresponds to an integer multiple of a half period duration (20a-e) of a mains AC voltage (22a-e), by means of at least one frequency modulation.

IPC 8 full level  
**H05B 6/06** (2006.01)

CPC (source: EP US)  
**H05B 6/04** (2013.01 - US); **H05B 6/062** (2013.01 - EP US); **H05B 2213/03** (2013.01 - EP)

Citation (search report)  
See references of WO 2021244860A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2021244860 A1 20211209**; EP 4159003 A1 20230405; US 2023232504 A1 20230720

DOCDB simple family (application)  
**EP 2021063457 W 20210520**; EP 21726660 A 20210520; US 202117924124 A 20210520