

Title (en)
DOMESTIC APPLIANCE DEVICE

Title (de)
HAUSHALTSGERÄTEVORRICHTUNG

Title (fr)
APPAREIL ÉLECTROMÉNAGER

Publication
EP 3556180 A1 20191023 (DE)

Application
EP 17822459 A 20171212

Priority
• ES 201631615 A 20161219
• IB 2017057812 W 20171212

Abstract (en)
[origin: WO2018116053A1] The invention relates to a domestic appliance device comprising at least one inverter unit with a half-bridge circuit or full-bridge circuit design for operating multiple inductors by means of a multiplexer. In order to increase the efficiency of the domestic appliance device, the invention provides a domestic appliance device, more particularly a cooking device comprising: at least one number N of row switching elements (10a-q); at least one number M of column switching elements (12a-q); at least one heating matrix (14a-q) having at least one number NxM of heating matrix elements (16a-q), wherein for any i of 1 to N and any j of 1 to M, with a total number N+M of row switching elements (10a-q) and column switching elements (12a-q) that is greater than 2, the i, j-th heating matrix element (16a-q) comprises at least one i, j-th inductor (18a-q) and is connected both to the i-th row switching element (10a-q) and to the j-th column switching element (12a-q); and at least one switching diode (34a-q, 36a-q) that connects at least one of the row switching elements (10a-q) or at least one of the column switching elements (12a-q) to at least one reference potential (30a-q, 32a-q).

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP ES US)
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Citation (search report)
See references of WO 2018116053A1

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