

Title (en)

AN OVEN WITH COOKING MODE DETECTION DEVICE AND OPERATION METHOD FOR THE SAME

Title (de)

OFEN MIT KOCHMODUSDETEKTORVORRICHTUNG UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

FOUR À DISPOSITIF DE DÉTECTION DE MODE DE CUISSON ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

**EP 4058732 A4 20231004 (EN)**

Application

**EP 19944787 A 20190910**

Priority

TR 2019050741 W 20190910

Abstract (en)

[origin: WO2021050011A1] The invention relates to an oven comprising a rotatable mode setting knob (50) disposed on a control panel (12); multiple electric heating elements (18, 19) provided inside a cooking chamber (11); a commutator (60) operated by activating and deactivating the electric heating elements (18, 19) to heat the cooking chamber (11) in a predefined combination by mechanical switching when the mode setting knob (50) is rotated in a corresponding selected operation mode (A, B, C) and a temperature adjustment element (20) in connection with the electric heating elements (18, 19) to set inner temperature of the cooking chamber (11). The oven further comprising an electronic control unit (30) is configured to check each output terminal (64) of the commutator (60) to detect a return signal (s2) on the a corresponding output terminal (64) while supplying the commutator (60) a constant electric signal (s1) in a predefined modulation from at least one input terminal (62) in a sampling interval in order to detect selected operation mode (A, B, C).

IPC 8 full level

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CPC (source: EP)

**F24C 7/085** (2013.01); **H05B 1/0263** (2013.01); **F24C 7/087** (2013.01)

Citation (search report)

- [X] EP 3249302 A1 20171129 - BSH HAUSGERAETE GMBH [DE]
- [X] EP 0213443 A1 19870311 - BOSCH SIEMENS HAUSGERAETE [DE]
- [X] EP 1486733 A2 20041215 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- See references of WO 2021050011A1

Designated contracting state (EPC)

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