

Title (en)
METHOD FOR OPERATING A COOKING OVEN

Title (de)
VERFAHREN ZUM BETREIBEN EINES BACKOFENS

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN FOUR DE CUISSON

Publication
EP 4019848 A1 20220629 (EN)

Application
EP 20216537 A 20201222

Priority
EP 20216537 A 20201222

Abstract (en)
Method for operating a cooking appliance, in particular a domestic cooking appliance, including at least one food treatment chamber (2), at least one temperature sensor for sensing the temperature within the food treatment chamber (2), at least one heating element (3, 5, 6) for supplying heating energy into the food treatment chamber (2) and at least one control unit (8) for controlling operation of the cooking appliance, wherein the method includes the following steps:a) Receiving user input including setting of a set temperature value (T_{Set}) that is desired to be reached within the food treatment chamber (2);b) Initially supplying heating energy into the food treatment chamber (2) to increase the temperature within the food treatment chamber (2) by controlling the at least one heating element (3, 5, 6) to operate at least at a predetermined first energy output level (P_1);c) Determining whether the temperature within the food treatment chamber (2) reaches an upper temperature threshold (UTT) that is defined above the set temperature value (T_{Set});d) In response to reaching the upper temperature threshold (UTT), selecting a predetermined second energy output level (P_2) based on a variable parameter dependent on a thermal load present in the food treatment chamber (2);e) Reducing the supply of heating energy into the food treatment chamber (2) such that the temperature within the food treatment chamber (2) decreases by controlling the heating element (3, 5, 6) to operate at the predetermined second energy output level (P_2).

IPC 8 full level
F24C 7/08 (2006.01)

CPC (source: EP)
F24C 7/085 (2013.01); **F24C 7/087** (2013.01)

Citation (applicant)

- EP 2045532 B1 20151125 - SAMSUNG ELECTRONICS CO LTD [KR]
- EP 1394472 B1 20120704 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- EP 2662630 B1 20160914 - MIELE & CIE [DE]
- DE 102014217637 A1 20160317 - BSH HAUSGERAETE GMBH [DE]

Citation (search report)

- [XAYI] DE 10027299 A1 20011213 - MIWE MICHAEL WENZ GMBH [DE]
- [YD] EP 1394472 B1 20120704 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] EP 2487989 A1 20120815 - SEB SA [FR]
- [A] US 2018010804 A1 20180111 - BACH JAMES CARTER [US]
- [AD] DE 102014217637 A1 20160317 - BSH HAUSGERAETE GMBH [DE]
- [A] EP 2933566 A1 20151021 - SAMSUNG ELECTRONICS CO LTD [KR]

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