

Title (en)

A COOKING APPLIANCE WITH AN IMPROVED EXHAUST PERFORMANCE

Title (de)

KOCHGERÄT MIT VERBESSERTER ABZUGSLEISTUNG

Title (fr)

APPAREIL DE CUISSON AVEC UNE MEILLEURE PERFORMANCE D'ÉCHAPPEMENT

Publication

EP 4033152 A1 20220727 (EN)

Application

EP 22152964 A 20220124

Priority

TR 202101108 A 20210126

Abstract (en)

The present invention proposes a cooking appliance (100) having a cooking cavity (10) defined within a top wall (11), a bottom wall (12), a rear wall (13), and opposing side walls (14) comprising, a burner (20) having a cylindrical casing (21) and at least one wing unit (22) radiating heat within said cooking cavity (10), an exhaust channel (30) having an inlet (31) which is in fluid communication with the cooking cavity (10) and an outlet (32) which is in fluid communication with an exterior of the cooking appliance (100) wherein the exhaust channel (30) is configured to allow fresh air to enter into the cooking cavity (10) and to allow exhaust gases to vent therefrom and the inlet (31) which is disposed on the top wall to be aligned above a middle portion (23) of the burner (20) so as to provide an airflow region (50) provided between the wing units (22) and the top wall (11) of the cooking cavity (10) wherein the inlet (31) is positioned at a predetermined location such that the inlet (31) is enclosed in an orthogonal projection of the burner (27) on a plane containing the inlet (31) wherein a cross section (312) area of the inlet (31) is sized to be less than a predetermined value.

IPC 8 full level

F24C 3/04 (2021.01); **F24C 3/08** (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP)

F24C 3/047 (2013.01); **F24C 3/087** (2013.01); **F24C 15/2007** (2013.01)

Citation (search report)

- [A] US 2014290642 A1 20141002 - PADGETT MICHAEL [US], et al
- [A] DE 840587 C 19520603 - ALFRED NEFF DR
- [A] ES 2340901 A1 20100610 - FAGOR S COOP [ES]
- [A] JP S5226685 U 19770224
- [A] JP S5554804 U 19800414
- [A] US 3659579 A 19720502 - HENDERSON WAYNE L, et al

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)

EP 4033152 A1 20220727; **EP 4033152 B1 20231220**; TR 202101108 A1 20220822

DOCDB simple family (application)

EP 22152964 A 20220124; TR 202101108 A 20210126