

Title (en)

ELECTRIC CONVECTION COOKING OVEN AND METHOD OF OPERATION OF SUCH AN OVEN

Title (de)

ELEKTRISCHER KONVEKTIONSBACKOFEN UND VERFAHREN ZUM BETRIEB EINES ELEKTRISCHEN KONVEKTIONSBACKOFENS

Title (fr)

FOUR DE CUISSON ÉLECTRIQUE À CONVECTION, ET MÉTHODE DE FONCTIONNEMENT D'UN TEL FOUR

Publication

**EP 3770511 A1 20210127 (EN)**

Application

**EP 19425057 A 20190724**

Priority

EP 19425057 A 20190724

Abstract (en)

An electric convection cooking oven includes a cooking resistor and a fan mounted on the rear wall of the cooking chamber, as well as a deflector (21) that protects a user from contact with the resistor and the fan and is formed by a front wall and peripheral walls, in particular solid peripheral walls (9, 10) at its top and bottom sides, with at least a central intake grille (1a) in said front wall, the deflector (21) having a substantially octagonal shape that also includes two pairs of oblique peripheral walls (11, 12), which are respectively adjacent to said top and bottom walls (9, 10) and have openings (11a, 12a) that extend over 30-90% of the area of said oblique walls (11, 12), as well as two lateral peripheral walls (13) that extend between the oblique walls (11, 12).

IPC 8 full level

**F24C 15/32** (2006.01); **F24C 14/00** (2006.01)

CPC (source: EP)

**F24C 14/005** (2013.01); **F24C 15/325** (2013.01); **F24C 15/327** (2013.01)

Citation (search report)

- [XYI] EP 3399237 A2 20181107 - SAMSUNG ELECTRONICS CO LTD [KR]
- [Y] US 2006011607 A1 20060119 - CHO PUNG Y [KR], et al
- [A] US 2008308545 A1 20081218 - KIM TAE WOO [KR], et al
- [A] US 7282673 B2 20071016 - SUNG HAN JUN [KR], et al
- [A] US 2018259192 A1 20180913 - MAYBERRY TIMOTHY A [US]
- [A] EP 0401173 A2 19901205 - ELECTROLUX AG [CH]
- [A] US 4700685 A 19871020 - MILLER BEN [US]

Cited by

WO2022268290A1

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 3770511 A1 20210127**; **EP 3770511 B1 20220831**; EP 4089334 A1 20221116; EP 4089334 B1 20240228; ES 2929438 T3 20221129; PL 3770511 T3 20221219; PL 4089334 T3 20240805

DOCDB simple family (application)

**EP 19425057 A 20190724**; EP 22179544 A 20190724; ES 19425057 T 20190724; PL 19425057 T 20190724; PL 22179544 T 20190724