

Title (en)

AN OVEN WITH DOOR COOLING ASSEMBLY

Title (de)

BACKOFEN MIT TÜRKÜHLUNGSANORDNUNG

Title (fr)

FOUR COMPRENANT UN ENSEMBLE DE REFROIDISSEMENT DE PORTE

Publication

EP 4034815 A4 20230621 (EN)

Application

EP 19950929 A 20191102

Priority

TR 2019050918 W 20191102

Abstract (en)

[origin: WO2021086280A1] The invention relates to an oven comprising a cavity (1) confining a cooking chamber and a door (10) having an outer panel (12) and an inner panel (16) covering the opening of the cavity (1) in a selectively accessible manner attached parallel to each other at a distance such that providing a cooling channel (5) there between in which an upward cooling airstream (f1) pass through and a lateral plate (50) covering the cooling channel (5) from the side. The oven further comprises a grid element (40) with a plurality of openings (44) of which the cross-sectional area is adjusted such that an auxiliary airstream (f2) supplied from the outside ambient air is mixed to the cooling airstream (f1) through the lateral plate (50) and at least partially covering the cooling channel (5).

IPC 8 full level

F24C 15/04 (2006.01); **F24C 15/00** (2006.01)

CPC (source: EP)

F24C 15/006 (2013.01); **F24C 15/04** (2013.01)

Citation (search report)

- [IY] DE 8800332 U1 19880225
- [Y] EP 2090832 B1 20130612 - ELECTROLUX HOME PROD CORP [BE]
- [A] WO 2007080043 A1 20070719 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- [A] WO 2015173332 A1 20151119 - ELECTROLUX APPLIANCES AB [SE]
- [A] EP 2980490 A2 20160203 - SAMSUNG ELECTRONICS CO LTD [KR]
- See references of WO 2021086280A1

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

DOCDB simple family (publication)

WO 2021086280 A1 20210506; EP 4034815 A1 20220803; EP 4034815 A4 20230621

DOCDB simple family (application)

TR 2019050918 W 20191102; EP 19950929 A 20191102