

Title (en)

A REAR SURFACE STRUCTURE FOR AN OVEN

Title (de)

EINE RÜCKSEITENSTRUKTUR FÜR EINEN OFEN

Title (fr)

UNE STRUCTURE DE SURFACE ARRIÈRE POUR UN FOUR

Publication

EP 3502573 B1 20210512 (EN)

Application

EP 18210689 A 20181206

Priority

TR 201721633 A 20171225

Abstract (en)

[origin: EP3502573A1] A rear plate (1) of an oven comprising:an air duct (2) in form of a round gap positioned right at the middle portion of the rear surface (1),a fan (3) located on any point around the air duct (2) such that it is close to the air duct (2) and is responsible for circulating air to be heated inside the cooking chamber,a helical duct (4) positioned such that it completely surrounds edge surface of the air duct (2), enclosing the fan (3) structure,a distribution hole (5) located on inner surface at inner side of the helical duct (4), assisting the air performing a cyclonic motion while passing through the helical duct (4) to perform a cyclonic flow towards the center of cooking chamber,a resistor (6) located inside the helical duct (4) such that it is close to the fan (3) structure and ensuring that the air mass is heated by means of the fact that the sucked air by the fan (3) moves towards the helical duct (4) by contacting to the resistor (6).

IPC 8 full level

F24C 15/32 (2006.01)

CPC (source: EP)

F24C 15/325 (2013.01)

Citation (examination)

- US 4295419 A 19811020 - LANGHAMMER JEROME
- JP S586334 A 19830113 - MATSUSHITA ELECTRIC IND CO LTD
- US 4155294 A 19790522 - LANGHAMMER JEROME [CA], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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