

Title (en)
Oven with air barrier

Title (de)
Ofen mit Luftgrenze

Title (fr)
Four avec pare-air

Publication
EP 2072905 A2 20090624 (EN)

Application
EP 08172141 A 20081218

Priority
IT PC20070019 U 20071219

Abstract (en)
The present innovation relates to an electric or gas oven with rack in particular for cooking meat or fish, of the type comprising a self-supporting stainless steel structure open at the front and in which a removable cooking rack is fitted, in which a fan is provided positioned inside the casing suitable for conveying a flow of fresh air between the inner walls and outer surfaces of the oven, thus limiting an excessive increase in temperature caused by the dispersions of the heating elements inside; the air curtain is created by a slit provided at the front opening from which a part of the flow emitted by the fan flows out and which acts as a barrier for the heat and fumes generated during cooking. Said oven furthermore provides a system for height adjustment of the cooking rack consisting of a gearmotor connected to an eccentric device which acts on a sliding structure supporting the rack, and which allows said rack to be positioned at different heights in a completely automatic manner without having to remove it from the oven.

IPC 8 full level
F24C 15/16 (2006.01); **F24C 3/12** (2006.01); **F24C 7/08** (2006.01)

CPC (source: EP)
F24C 3/128 (2013.01); **F24C 7/082** (2013.01); **F24C 15/025** (2013.01); **F24C 15/16** (2013.01)

Citation (examination)
US 3098477 A 19630723 - WILLIAM LOTTER

Cited by
CN112450723A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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