

Title (en)

Oven with cooling of parts thereof and diversion of oven vapours and gases

Title (de)

Garofen mit Kühleinrichtung und mit Einrichtung zum Absaugen von Dämpfen und Gasen

Title (fr)

Four à dispositif de refroidissement et à système pour évacuer des vapeurs et des buées

Publication

EP 1555487 A1 20050720 (EN)

Application

EP 05468002 A 20050112

Priority

SI 200400009 A 20040113

Abstract (en)

An oven with cooling of parts thereof and a diversion of oven vapours and gases, preferably a household oven or also a restaurant or an industrial oven solves a problem, how to ascertain a more energetically efficient diversion of vapours and gases from the oven without diminishing the quality of cooking. The characteristic of the oven of the invention lies in that between the external housing of the apparatus and the interior oven there is a fan sucking air outside the apparatus and leads it along a channel to the discharge nozzle on the frame, so that the air escapes through a slot between the door and the control panel, whereby the exit channel is conceived as a nozzle, into which an air channel from the oven is led. Due to the injection effect the air exit stream sucks the air from the oven on the upper side, thus diverting vapours and gases. The air stream with vapours and gases from the oven is diverted from the apparatus on the front side through the gap between the door and the control panel. <IMAGE>

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IPC 8 full level

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IPC 8 main group level

A21B 1/00 (2006.01)

CPC (source: EP)

F24C 15/006 (2013.01); **F24C 15/2007** (2013.01)

Citation (search report)

- [X] FR 2748796 A1 19971121 - MERLONI ELECTROMENAGER [FR]
- [X] DE 3209541 A1 19830929 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] US 4601279 A 19860722 - GUERIN JACKY [FR]
- [A] FR 2673268 A1 19920828 - SCHOLTES ETS EUGEN [FR]

Cited by

CN105659030A; CN111713990A; CN112021951A; CN112240585A

Designated contracting state (EPC)

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