

Title (en)
Cooking oven

Title (de)
Backofen

Title (fr)
Four de cuisson

Publication
EP 2184545 B1 20160323 (EN)

Application
EP 09013637 A 20091029

Priority
IT RN20080053 A 20081111

Abstract (en)
[origin: EP2184545A1] An oven for cooking food comprises a casing (2) which forms a cooking compartment (3) where the food is cooked. The casing (2) in turn comprises a lower base (23); a ceiling (24); a rear wall (251); a door (21) which, in the closed configuration, is opposite the rear wall (251); two lateral walls (25) positioned opposite each other, said two lateral walls (25) being interposed between both the rear wall (251) and the door (21) in the closed configuration, and between the lower base (23) and the ceiling (24); The oven further comprises: i) a gas burner (4) located outside the cooking compartment (3) and in thermal contact with the cooking compartment (3), the lower base (23) being interposed between the burner (4) and the cooking compartment (3) and preventing the combustion fumes generated by the gas burner (4) from passing inside the cooking compartment (3); ii) means (5) for expelling the combustion fumes generated by the burner (4), the expulsion means (5) comprising a channel (50) which conveys the combustion fumes generated by the gas burner, picking them up outside the cooking compartment (3), the channel (50) comprising at least one predetermined portion (51) which is in thermal contact with the cooking compartment (3) and extends at least along part of both of the lateral walls (25) thus improving the evenness of heating in the cooking compartment (3).

IPC 8 full level
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CPC (source: EP)
F24C 3/087 (2013.01); **F24C 15/006** (2013.01); **F24C 15/2007** (2013.01); **F24C 15/322** (2013.01)

Citation (examination)
• US 4865010 A 19890912 - KETT DAVID J [US]
• EP 0701094 A2 19960313 - MERLONI ELETTRODOMESTICI SPA [IT]
• GB 2432657 A 20070530 - AGA CONSUMER PRODUCTS LTD [GB]

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IT201600081759A1; EP3917365A4; ITTO20130331A1; EP2796791A1; CN107249335A; US2017354155A1; EP3026348A1; FR3029272A1; RU2703082C2; US10274205B2; US11796182B2; WO2017097327A1; WO2016132283A1

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