

Title (en)

GAS OVEN FOR BAKING, COOKING AND GRILLING FOOD

Publication

EP 0067806 B1 19841128 (DE)

Application

EP 82890089 A 19820615

Priority

AT 268581 A 19810616

Abstract (en)

[origin: EP0067806A1] 1. Gas oven for baking, cooking and grilling food for house-hold usage, comprising an oven chamber (4) closable by a door (1) in which hot air is circulated by a fan (20), in which furthermore, for separating the suction side from the pressure side of the fan (20), at least one intermediate plate (18) is fitted and whose bottom (6) is formed at least partially by a bottom plate (16) beneath which a combustion chamber (10), to which an exhaust-gas shaft (12, 13) is connected, and at least one burner are arranged, wherein the combustion chamber (10) and the exhaust-gas chamber are separated from the oven chamber (4) and are sealed against the same in an essentially tight manner, characterized in that the burner is formed by a radiant burner known per se having a burner plate (8, 14), wherein the gas-air mixture is fed to the burner plate (8, 14) with an over-stoichiometric fraction of air at its lower surface, flows through openings in the burner plate (8, 14) and is burnt at the upper surface of the same in the combustion chamber (10), which is sealed against air admission, that the bottom plate (16) is formed by a plate which is diathermic or pervious to infrared radiation, resp., and which covers the combustion chamber (10), and that the intermediate plate (18) in the oven chamber (4) is arranged at a distance from the bottom plate (16) so as to be horizontally removable, in particular extractable, and subdivides the oven chamber (4) into a suction chamber (19) which is connected to the suction side of the fan (20), and a blow-out chamber (36) which is connected to the pressure side of the fan (20).

IPC 1-7

F24C 15/32

IPC 8 full level

F24C 15/32 (2006.01)

CPC (source: EP)

F24C 15/322 (2013.01)

Cited by

EP0955501A3; CN107249335A; NL1014044C2; EP0393447A1; EP2610557A1; WO2016132283A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0067806 A1 19821222; EP 0067806 B1 19841128; DE 3261366 D1 19850110

DOCDB simple family (application)

EP 82890089 A 19820615; DE 3261366 T 19820615