

Title (en)

Gas feeding arrangement for gas ranges

Title (de)

Gaszuführungs-Anordnung für Gasherde

Title (fr)

Ensemble d'alimentation de gaz pour cuisinière à gaz

Publication

EP 1746349 A2 20070124 (EN)

Application

EP 05380196 A 20050913

Priority

ES 200501790 A 20050721

Abstract (en)

Gas from gas inlet (5) is mixed with pressurized air generated by a motor fan (1) in a mixer (4), which is essentially separated from the burner (8), which allows a lower pressure at the gas inlet (5) and an improvement at the calorific efficiency when the fuel and combustible arrive properly mixed to the burner (8). Besides, at the mentioned burner (8) a turbulence effect for the mix is established, that improves it and homogenizes it before the mentioned mix comes out through a unique hole placed axially at the burner (8), specifically at a ring gear (28), next to which the classical burning pilot (11) and thermo couple (12) is placed.

IPC 8 full level

F24C 3/08 (2006.01); **F23D 14/00** (2006.01); **F23D 14/06** (2006.01); **F23D 14/08** (2006.01); **F23D 14/34** (2006.01)

CPC (source: EP)

F23D 14/64 (2013.01); **F23N 5/10** (2013.01); **F24C 3/085** (2013.01); **F23D 2900/00014** (2013.01)

Cited by

CN103615721A; CN102889590A; ES2426318R1; FR3106388A1; WO2021148737A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1746349 A2 20070124; EP 1746349 A3 20090812

DOCDB simple family (application)

EP 05380196 A 20050913