

Title (en)

Gas burner for food cooking.

Title (de)

Gasbrenner zum Kochen von Nahrungsmitteln.

Title (fr)

Brûleur à gaz pour la cuisson d'aliments.

Publication

EP 0534302 A2 19930331 (EN)

Application

EP 92115823 A 19920916

Priority

IT TO910724 A 19910926

Abstract (en)

The invention refers to a gas burner for cooking appliances, of the type which can be used with gases of different kinds; the main characteristic of the burner is that the flame separator element, to which a cover (4) is superposed, is integrated in the head (1) of the burner, made of a single piece with it, and provides for different orifices, for the exit of the air-gas mixture, disposed in two rings, an upper one (3; 9) and a lower one (2;10), in that a first series of said orifices (2;9), provided for supplying main flames, have a section such that the exit speed of the mixture is higher than the combustion speed of the most critic type of gas and in that a second series of said orifices (3;10), provided for supplying pilot flames, have means (5;11) to reduce the exit speed of the mixture, so that it results in being minor in respect of the exit speed from the orifices of the first series, in order to stabilise said pilot flames and, as a result, the main flames. <IMAGE>

IPC 1-7

F23D 14/06

IPC 8 full level

F23D 14/06 (2006.01)

CPC (source: EP)

F23D 14/06 (2013.01)

Cited by

EP2090826A1; DE10222641A1; US6371754B1; EP0945679A1; FR2776753A1; US6082994A; US6780008B2; WO9526484A1; WO2008082865A1; EP2105662A1; US9416963B2; US7628609B2; US7871264B2; US8057223B2

Designated contracting state (EPC)

BE DE ES FR GB NL PT

DOCDB simple family (publication)

EP 0534302 A2 19930331; EP 0534302 A3 19930616; IT 1250839 B 19950421; IT TO910724 A0 19910926; IT TO910724 A1 19930326

DOCDB simple family (application)

EP 92115823 A 19920916; IT TO910724 A 19910926