

Title (en)

Triple crown gas burner for cooking hobs

Title (de)

Gasbrenner mit drei Kronen für Küchenkochfeld

Title (fr)

Brûleur à trois couronnes pour plaques de cuisson

Publication

EP 1531304 A2 20050518 (EN)

Application

EP 04380216 A 20041103

Priority

ES 200302586 U 20031111

Abstract (en)

The gas burner for a cooking hob includes a circular body (2) with at least one peripheral flame crown (3,4) and one central flame crown (5), each of them with its respective annular chamber (6,7) for distributing the mixture (M), various horizontal venturi ducts (9b) extending in a radial direction, and a radial channel (13a) formed below the surface of the crowns (3,4,5), its length (L) being longer than the radius (R) of the area of the central chamber (7), whereby the circulation path (L) of said flow portion (Fc) is prolonged for the purpose of the complete homogenizing the mixture. Said radial branch channels (13a) extend from the peripheral end (16) of each radial venturi duct (9b) in a radial direction upstream as far as an opening (17) in the bottom of the central chamber (7), and they are formed by means of an intermediate plate (13) between the body (2) of the flame crowns and said radial venturi ducts (9b).

IPC 1-7

F23D 14/06

IPC 8 full level

F23D 14/06 (2006.01)

CPC (source: EP)

F23D 14/06 (2013.01); **F23D 2900/14062** (2013.01)

Cited by

CN105987383A; CN114321917A; US7967004B2; US7901205B2; CN110207161A; CN111189047A; EP2947386A3; AU2012203266B2; AU2012203266B8; AU2012203266A8; EP2629010A3; US8689779B2; US8662069B2; US11940148B2; WO2012077050A3; WO2007007298A3; WO2008104845A3; US8683991B2; US8746229B2; CN102466228A; EP2211095A3; EP3748230A1; US9285115B2

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