

Title (en)

GAS BURNER AND HOB COMPRISING A GAS BURNER

Title (de)

GASBRENNER UND KOCHFELD MIT EINEM GASBRENNER

Title (fr)

BRÛLEUR À GAZ ET TABLE DE CUISSON COMPRENANT UN TEL BRÛLEUR

Publication

EP 3339731 A1 20180627 (EN)

Application

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Priority

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Abstract (en)

The invention relates to a gas burner comprising: - an injection holder (2) with at least three gas injectors (2.1, 2.2, 2.3) ; - a burner crown assembly (3), the burner crown assembly (3) comprising at least three flame rings (FR1, FR2, FR3) with different sizes, the burner crown assembly (3) further comprising at least three chambers (CH1, CH2, CH3) and at least three pipes (3.1.1, 3.2.1, 3.3.1), each pipe (3.1.1, 3.2.1, 3.3.1) being fluidly coupled with a single chamber (CH1, CH2, CH3); wherein each gas injector (2.1, 2.2, 2.3) is associated with one of said pipes (3.1.1, 3.2.1, 3.3.1) for providing gas into said pipe (3.1.1, 3.2.1, 3.3.1), said pipe (3.1.1, 3.2.1, 3.3.1) being adapted to receive primary air in the area of the injection holder (2) and to provide a combustion mixture of gas and primary air to one of said flame rings (FR1, FR2, FR3) of the burner crown assembly (3).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

[XA] WO 2006114063 A1 20061102 - ZHEJIANG SHUAIKANG ELECTRIC ST [CN], et al

Cited by

WO2023066939A1

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