

Title (en)

IMPROVED GAS BURNER WITH MULTI-RING MAIN FLAMES

Title (de)

VERBESSERTER GASBRENNER MIT HAUPTFLAMMEN MIT MEHREREN RINGEN

Title (fr)

BRÛLEUR À GAZ AMÉLIORÉ COMPRENANT DES FLAMMES PRINCIPALES EN PLUSIEURS ANNEAUX

Publication

EP 3286498 A1 20180228 (EN)

Application

EP 16725919 A 20160421

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Abstract (en)

[origin: WO2016170497A1] An improved gas burner with multiple rings of main flames, characterised by comprising: - an injector holder structure (2) provided with means (16) for its installation on the upper sheet metal of a cooking hob, - a central distribution chamber provided with in a central flame divider element (44, 86), which is rigid with said injector holder structure (2), and is configured to generate a central ring of flames, said central distribution chamber (44) being closed upperly by a circular cover (6), - an annular distribution chamber provided within an annular flame divider element (4), which is rested on said injector holder structure (2), and is configured to generate at least one ring of main flames which is concentric with said central ring of flames, said annular distribution chamber (4) being separated from said central distribution chamber (44) by an annular space (57), and being closed upperly by an annular cover (8), - a first venturi conduit (32, 32') and a second venturi conduit (36, 36') which are substantially horizontal and parallel, and situated in said injector holder structure (2) within the plan outline defined by said annular flame divider element (4), and have an inlet end facing a respective injector (22, 30) associated with a lateral wall of respective adjacent cavities (18, 24) provided in said injector holder structure (2) and an outer end opening into respective cavities (34, 38) in fluidic connection respectively with said central distribution chamber and with said annular distribution chamber (4).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2016170497A1

Cited by

EP3772612A1; EP3980688A4; US11473775B2

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