

Title (en)

Burner for a household gas cooktop and household gas cooktop

Title (de)

Brenner für ein Haushalts-Gaskochfeld und Haushalts-Gaskochfeld

Title (fr)

Brûleur pour table de cuisson domestique à gaz et table de cuisson domestique à gaz

Publication

EP 2072900 B1 20110615 (EN)

Application

EP 07425791 A 20071217

Priority

EP 07425791 A 20071217

Abstract (en)

[origin: EP2072900A1] A burner (2) for a household gas cooktop (1) comprising one or more combustion units (4), one or more gas partial ducts (7) connected to each of the combustion units (4), a regulating valve (8) of the gas passage in the partial duct (7), air (11, 12, 13) feeding means to the gas flow (9) in the partial duct (7). The burner (1) further comprises a enhancement device (14) with a forced suction unit (15) to suck a second air volume (16) from an area which is different from the area of the first air volume (10), a ventilation duct (17) connecting the forced suction unit (15) to an enhanced combustion unit (4) of said combustion units (4) in order to supply the second air volume (16) to the enhanced combustion unit (4), an auxiliary duct (18) connected to the ventilation duct (17) and adapted to supply a second gas flow (19) to the second air volume (16), an auxiliary valve (20) to regulate the second gas flow (19) in the auxiliary duct (18).

IPC 8 full level

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CPC (source: EP)

F23D 14/02 (2013.01); **F23D 14/34** (2013.01); **F24C 3/085** (2013.01)

Cited by

US10655846B2; CN107490023A; CN110567005A; EP3270060A1; CN109416178A; US2019017709A1; US2019049109A1; US10627114B2; US10823402B2; WO2018010988A1; WO2014127726A1

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