

Title (en)

Gas burner with improved acoustical attenuation

Title (de)

Gasbrenner mit verbesserter akustischer Dämpfung

Title (fr)

Brûleur à gaz présentant une discrétion acoustique améliorée

Publication

**EP 0730122 B1 19990728 (FR)**

Application

**EP 96400420 A 19960228**

Priority

FR 9502433 A 19950302

Abstract (en)

[origin: EP0730122A1] The burner has an inner cavity (2, 5) to receive air and combustible gas, which passes out through holes in a head (6), and incorporates an anti-noise cavity (10). The main cavity of the burner has a Venturi tube (2) with a forward end (3) equipped with the combustible gas injector (7) and shaped to draw in air together with the gas. The inlet (11) of the anti-noise cavity is situated at a distance from the forward end of the Venturi tube which is determined from the noise frequency to be damped.

IPC 1-7

**F23D 14/46**; **F23D 14/10**; **G10K 11/175**

IPC 8 full level

**F23D 14/10** (2006.01); **F23D 14/46** (2006.01); **G10K 11/175** (2006.01)

CPC (source: EP US)

**F23D 14/105** (2013.01 - EP); **F23D 14/46** (2013.01 - EP); **G10K 11/175** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP)

Cited by

EP1087180A1; AT409537B; WO2020237746A1; WO2020237745A1

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**EP 0730122 A1 19960904**; **EP 0730122 B1 19990728**; DE 69603389 D1 19990902; DE 69603389 T2 20000413; ES 2133905 T3 19990916; FR 2731265 A1 19960906; FR 2731265 B1 19970509

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