

Title (en)

Gas burner with increased power

Title (de)

Gasbrenner mit erhöhter Leistung

Title (fr)

Brûleur à mélange de gaz et d'air à puissance accrue

Publication

EP 1172607 B1 20051214 (FR)

Application

EP 01401572 A 20010615

Priority

FR 0008976 A 20000710

Abstract (en)

[origin: EP1172607A1] The burner (10), comprising a body (12) with a support (14) having main flame outlets (17) and a feed system for a mixture of fuel gas and oxidant air, incorporates an auxiliary combustion system with one or more injectors (32) for more or less pure gas, producing secondary turbulent jet flames. The support (14) has a head (15) of circular section, and the auxiliary injectors are positioned concentrically round it.

IPC 1-7

F23D 14/06; **F24C 3/12**; **F24C 3/08**

IPC 8 full level

F23D 14/06 (2006.01); **F24C 3/08** (2006.01); **F24C 3/12** (2006.01)

CPC (source: EP)

F23D 14/06 (2013.01); **F24C 3/085** (2013.01); **F24C 3/126** (2013.01); **F23D 2900/14062** (2013.01)

Cited by

US8001957B2; WO2007020189A1

Designated contracting state (EPC)

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EP 1172607 A1 20020116; **EP 1172607 B1 20051214**; DE 60115773 D1 20060119; DE 60115773 T2 20060706; ES 2249397 T3 20060401; FR 2811410 A1 20020111; FR 2811410 B1 20021004

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