

Title (en)  
Gas burner supplied with secondary forced air

Title (de)  
Gasbrenner mit Sekundärdruckluftzufuhr

Title (fr)  
Bruleur à gaz alimente en air secondaire force

Publication  
**EP 1016823 B1 20030730 (FR)**

Application  
**EP 99403323 A 19991230**

Priority  
FR 9816656 A 19981230

Abstract (en)  
[origin: EP1016823A1] Gas burner receives gas through injector (5) and gas regulator (6), and primary and secondary air supplies. Secondary air flow is guaranteed by fan (13) blowing air in chamber (14) and with hole (15) allowing air to exit chamber towards flames (16). Fan commands depend of power commands (19). Commands (17) will guaranty constant pressure in chamber following pressure sensor (18) readings.

IPC 1-7  
**F23C 7/02**; **F23L 5/02**; **F23D 14/60**; **F24C 3/08**; **F24C 3/12**; **F23N 1/02**

IPC 8 full level  
**F23C 7/02** (2006.01); **F23D 14/06** (2006.01); **F23D 14/60** (2006.01); **F23L 5/02** (2006.01); **F24C 3/08** (2006.01); **F24C 3/12** (2006.01)

CPC (source: EP)  
**F23C 7/02** (2013.01); **F23D 14/06** (2013.01); **F23D 14/34** (2013.01); **F23D 14/60** (2013.01); **F23L 5/02** (2013.01); **F24C 3/085** (2013.01); **F24C 3/126** (2013.01); **F23D 2900/14064** (2013.01); **F23N 2225/04** (2020.01); **F23N 2233/08** (2020.01); **F23N 2235/12** (2020.01); **F23N 2237/16** (2020.01); **F23N 2241/08** (2020.01)

Cited by  
CN106123043A; EP2072901A1; ITPD20090377A1; US2014246009A1; US10458657B2; WO2011072361A2; US11287138B2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 1016823 A1 20000705**; **EP 1016823 B1 20030730**; DE 69909954 D1 20030904; FR 2788111 A1 20000707; FR 2788111 B1 20010316

DOCDB simple family (application)  
**EP 99403323 A 19991230**; DE 69909954 T 19991230; FR 9816656 A 19981230