

Title (en)

Method for operating a gas burner with a modulated controlled burner load

Title (de)

Verfahren zum Betreiben eines Gasbrenners mit modulierend geregelter Brennleistung

Title (fr)

Procédé pour commander un brûleur à gaz avec une puissance de brûleur régulée à modulation

Publication

**EP 1083387 A3 20030806 (DE)**

Application

**EP 00117040 A 20000809**

Priority

DE 19943612 A 19990911

Abstract (en)

[origin: EP1083387A2] The method involves modulating the burner function. A temperature-controlled fan (10) supplies combustion air. An aperture (14) forms a flow resistance in an air channel (12). A gas line opens into the air channel behind the aperture. A unit measures the air flow and controls the gas supply. The pressure drop across the aperture is determined to adjust its effective cross-section, to keep the pressure drop at a constant desired value (W). The gas supply is controlled according to the cross-section or the adjustment movement.

IPC 1-7

**F23N 1/02**; **F23N 5/18**

IPC 8 full level

**F23N 1/02** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)

**F23N 1/022** (2013.01); **F23N 5/184** (2013.01); **F23N 2225/06** (2020.01); **F23N 2225/13** (2020.01); **F23N 2233/08** (2020.01); **F23N 2235/16** (2020.01)

Citation (search report)

- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 237 (M - 1600) 6 May 1994 (1994-05-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 357 (C - 1221) 6 July 1994 (1994-07-06)

Cited by

CN109974059A; EP4004441A4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1083387 A2 20010314**; **EP 1083387 A3 20030806**; DE 19943612 A1 20010329; DE 19943612 B4 20040715

DOCDB simple family (application)

**EP 00117040 A 20000809**; DE 19943612 A 19990911