

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

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CPC (source: EP)

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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

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