

Title (en)

Method and device for operation optimisation of a gas burner

Title (de)

Verfahren und Vorrichtung zur Betriebsoptimierung eines Gasbrenners

Title (fr)

Procédé et dispositif d'optimisation du fonctionnement d'un brûleur à gaz

Publication

**EP 0833106 A3 19990804 (DE)**

Application

**EP 97116689 A 19970925**

Priority

DE 19639487 A 19960926

Abstract (en)

[origin: EP0833106A2] The method involves operating a test specimen of the burner (2) with an optimal gas/air mixture, whose composition is monitored by measuring the oxygen in the exhaust system. The excess of air is increased until the flame sensor (3) signals an increase in the flames from the burner. At the end of this step it is determined by what percentage the air excess increases between the first step and increasing the flame from the burner. The measured percentage is stored in the regulator. A microprocessor is used together with a store forming part of a controller, for storing the percentage part of the combined gas/air regulator (15) as determined during calibration.

IPC 1-7

**F23N 1/02**; **F23N 5/00**

IPC 8 full level

**F23N 1/02** (2006.01); **F23N 5/00** (2006.01)

CPC (source: EP)

**F23N 1/022** (2013.01); **F23N 5/006** (2013.01); **F23N 2221/10** (2020.01); **F23N 2225/30** (2020.01)

Citation (search report)

- [A] EP 0615095 A1 19940914 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [AD] DE 2252618 A1 19730816 - MITSUBISHI ELECTRIC CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 583 (M - 1699) 8 November 1994 (1994-11-08)

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