

Title (en)

Method and device for feeding air-gas-mixtures at various flow rates to a premix burner.

Title (de)

Verfahren und Vorrichtung zum Zuführen eines Luft-Gas-Gemisches in verschiedenen Durchflussmengen an einem Vormischbrenner.

Title (fr)

Procédé et dispositif d'alimentation à plusieurs débits de mélanges air-gaz pour un brûleur à prémélange.

Publication

**EP 0614045 A1 19940907 (EN)**

Application

**EP 94200531 A 19940302**

Priority

IT MI930436 A 19930305

Abstract (en)

Method and device for feeding air/gas mixtures at varying flow rates to a premixed burner (2). The air and fuel gas flows are supplied separately into a tubular body (3) respectively from a blower (5) and a conduit (6) connected to the gas distribution network. The air flow rate is controlled by diverting an aliquot thereof toward a bypass conduit (15) of the burner (2). This control, a shutter (17) slidable in a distribution chamber (10) and interposed between the blower (5) and the tubular body (3), allows the thermal power delivered by the burner (2) to be controlled in a simple and effective way. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XA] EP 0309034 A1 19890329 - FLAMECO ECLIPSE BV [NL]
- [A] EP 0508164 A1 19921014 - RUHRGAS AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2, no. 50 (M - 015) 10 April 1978 (1978-04-10)

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WO02095294A1; EP3211305A1; JP2019011900A; US2022228743A1; CN104116420A; US2021404706A1; US11585573B2; FR2981863A1; JP2014534406A; US11808453B2; US10168074B2; WO2013060997A3

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