

Title (en)

Method for controlling the air-fuel ratio of a fuel operated burner

Title (de)

Verfahren zum Regeln des Brennstoff-Luft-Verhältnisses eines brennstoffbetriebenen Brenners

Title (fr)

Procédé de contrôle du rapport air-combustible d'un brûleur à combustible

Publication

**EP 1811230 A3 20121205 (DE)**

Application

**EP 07000643 A 20070113**

Priority

- DE 102006002857 A 20060119
- AT 5902006 A 20060406
- DE 102006037475 A 20060810

Abstract (en)

[origin: EP1811230A2] The method involves detecting electrical resistance of a fuel-operated burner (12) or a measuring unit on a side of the burner surface (9) for monitoring the flame and controlling fuel air ratio of the burner. The burner or the unit is associated to a constant current source, and thermal output of the burner is determined to change a resistance reference value of the fuel-air-ratio. The ratio is decreased when the measured resistance is larger than the reference value, and is increased when the measured resistance is less than the reference value.

IPC 8 full level

**F23N 5/14** (2006.01); **F23D 14/72** (2006.01); **F23N 1/02** (2006.01); **F23N 5/12** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

**F23D 14/60** (2013.01); **F23D 14/725** (2013.01); **F23N 1/022** (2013.01); **F23N 5/123** (2013.01); **F23N 5/143** (2013.01); **F23N 5/242** (2013.01); **F23D 2208/10** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1811230 A2 20070725; EP 1811230 A3 20121205; EP 1811230 B1 20160106**

DOCDB simple family (application)

**EP 07000643 A 20070113**