

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

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Application

EP 07000643 A 20070113

Priority

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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

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EP 0770824 A2 19970502 - STIEBEL ELTRON GMBH & CO KG [DE]

Cited by

ITBO20120568A1; CN111396869A; DE102011079325A1; EP2549187A3; DE102011079325B4; US9951951B2; EP2549187A2; WO2014060991A1

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