

Title (en)

Adjustment of fuel gas/air mixture via the burner or flame temperature of a heating device

Title (de)

Regelung des Brenngas-Luft-Gemisches über die Brenner- oder Flammentemperatur eines Heizgerätes

Title (fr)

Réglage du mélange air / gaz combustible sur la température de flamme ou de brûleur d'un appareil de chauffage

Publication

**EP 1923634 B1 20170628 (DE)**

Application

**EP 07033545 A 20071109**

Priority

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- AT 4522007 A 20070322

Abstract (en)

[origin: EP1923634A1] The method involves calculating a run of burner or flame temperature from an output temperature of a burner or a flame temperature. Fuel gas and combustion air stream are adjusted according to determined fuel gas volume or mass flow and combustion air volume or mass flow. Another burner or flame temperature is measured and is compared with the calculated burner or flame temperature, where the measured temperature at a preset point of time is larger or smaller than the calculated temperature at the point of time at a dynamic process, so that fuel gas flow or air mass is reduced or increased.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN111649356A; EP4170234A1; WO2023066812A1; WO2021219582A1; EP2843214A1

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