

Title (en)

Method for controlling and monitoring the combustion in a furnace

Title (de)

Verfahren zur Regelung und Überwachung der Verbrennung einer Feuerungsanlage

Title (fr)

Procédé de régulation et de surveillance de la combustion dans un four

Publication

**EP 0697564 B1 19981007 (DE)**

Application

**EP 95112573 A 19950810**

Priority

DE 4428953 A 19940816

Abstract (en)

[origin: EP0697564A1] A self-checking combustion monitor/regulator unit (8) for a heating installation (1) using either solid or liquid fuel, receives a signal from a single sensor (7) which continuously determines the concentrations of oxygen and hydrogen/carbon monoxide in the exhaust gases. The control unit (8) regulates the fuel and air intakes via the respective actuators (4, 5) in accordance with the measured characteristics of the flue gases (6). Predetermined data is used to define acceptable limits of combustion performance and the air supply is increased or reduced to ensure that operation is at all times within these constraints.

IPC 1-7

**F23N 5/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

BE1024267B1; AT5111316A1; AT5111316B1; WO2005052451A1; DE102011010074A1; EP3173784A1; DE102016014042A1; EP2300748B1

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