

Title (en)

CONTROL DEVICE FOR A GAS-FIRED WATER OR AIR HEATER

Publication

EP 0062855 B1 19860305 (DE)

Application

EP 82102803 A 19820402

Priority

DE 3114954 A 19810413

Abstract (en)

[origin: US4436506A] In a control system for a gas heated water or air heater, the use of the supplied fuel gas is to be improved by automatically determining and supplying the amount of air which is required for obtaining complete combustion. A gas control valve feeds a burner with the required amount of gas dependent on the demand of heat. A sensor responding to the content of oxygen or carbon dioxide within the flue gases is located in the stack and the output signal of this sensor is compared with a set point within an electric controller. In case of a control deviation, the output signal of the controller controls an adjustable source of air under pressure formed by a fan with subsequent air control valve in such a manner that the required amount of air for reaching optimum combustion is supplied.

IPC 1-7

F23N 5/00

IPC 8 full level

F23N 5/00 (2006.01)

CPC (source: EP US)

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Cited by

EP3126748A4; EP0322132A1; EP0154361A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0062855 A1 19821020; EP 0062855 B1 19860305; CA 1209898 A 19860819; DE 3114954 A1 19821104; DE 3269552 D1 19860410; DK 161682 A 19821014; JP S57183447 U 19821120; US 4436506 A 19840313

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