Title (en)

Device for optimizing the efficiency of a gas-fired heat generator

Title (de)

Einrichtung zur Optimierung des Wirkungsgrads eines Gazheizgeräts

Title (fr)

Dispositif d'optimaliser du rendement d'un chaudière à gaz

Publication

EP 0784190 A1 19970716 (EN)

Application

EP 96110211 A 19960625

Priority

IT MI960044 A 19960112

Abstract (en)

A device (1) for optimizing the efficiency of a gas-fired heat generator comprising a burner positioned within a combustion chamber provided with a fan for evacuating burnt gases, the fuel reaching said burner via a feed pipe in which there is positioned an electrically powered pressure regulator, said regulator being controlled to vary the gas flow rate to the burner by electrical signals generated by a control unit of the heat generator. The device comprises fan command and control means (2) which measure the electrical control signals (VREF) of the pressure regulator, said signals (VREF) being compared with a reference signal (VR) to generate a control signal for the fan, the rotational speed of this latter being modified on the basis of the control signals (VREF) which reach the pressure regulator. <IMAGE>

IPC 1-7

F23N 1/06; F23N 3/08

IPC 8 full level

F23N 1/06 (2006.01); **F23N 3/08** (2006.01)

CPC (source: EP)

F23N 1/062 (2013.01); **F23N 3/082** (2013.01); F23N 2227/04 (2020.01); F23N 2233/04 (2020.01); F23N 2235/16 (2020.01)

Citation (search report)

- [A] GB 2191022 A 19871202 - RINNAI KK
- [A] EP 0413942 A2 19910227 - WEBASTO AG FAHRZEUGTECHNIK [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 004 (M - 657) 8 January 1988 (1988-01-08)
- [X] PATENT ABSTRACTS OF JAPAN vol. 011, no. 034 (M - 558) 31 January 1987 (1987-01-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 006 (M - 445) 11 January 1986 (1986-01-11)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 314 (M - 1145) 12 August 1991 (1991-08-12)

Designated contracting state (EPC)

AT DE FR GB

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