

Title (en)

Method to adapt a heating device including a burner to its dedicated air-/exhaust system

Title (de)

Verfahren zur Anpassung eines brennerbeheizten Heizgerätes an ein diesem zugeordneten Luft-/Abgassystem

Title (fr)

Procédé d'ajustement d'un appareil de chauffage incorporant un brûleur à son système d'échappement et/ou de tirage en air

Publication

EP 1333227 A3 20040707 (DE)

Application

EP 02026220 A 20021126

Priority

DE 10203798 A 20020131

Abstract (en)

[origin: EP1333227A2] A method for matching a burner heating device to its air supply and exhaust gas system, where the supply stem comprises a jet for combustion air, a control unit and fuel gas injector and a differential pressure transducer. The blower is adjusted by the controller in accordance with heat requirements. At installation the rotational velocity of the blower is continuously increased until an operating point of the differential pressure is reached at which the rotational velocity of the blower for the necessary airflow is determined. Blower characteristic curves (71-74) that correspond to a particular rotational velocity are stored in the control unit with the operating rotational velocity value, determined at the operating point of the differential pressure, being used to select a characteristic curve. The characteristic curve is then used to operate the heating device.

IPC 1-7

F23N 5/18; **F23N 3/08**; **F23N 3/00**

IPC 8 full level

F23N 3/00 (2006.01); **F23N 3/08** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)

F23N 3/002 (2013.01); **F23N 3/082** (2013.01); **F23N 5/184** (2013.01); **F23N 2005/181** (2013.01); **F23N 2225/06** (2020.01); **F23N 2225/10** (2020.01); **F23N 2225/12** (2020.01); **F23N 2233/04** (2020.01); **F23N 2235/22** (2020.01)

Citation (search report)

- [DX] DE 19847448 A1 19990422 - VAILLANT JOH GMBH & CO [DE]
- [DX] DE 19846207 A1 20000302 - WOLF GMBH [DE]
- [X] EP 0733859 A2 19960925 - BOSCH GMBH ROBERT [DE]
- [PA] EP 1236957 A2 20020904 - BOSCH GMBH ROBERT [DE]
- [A] EP 0724122 A1 19960731 - GASTAR CO LTD [JP]
- [A] GB 2271443 A 19940413 - VAILLANT JOH GMBH & CO [DE]
- [A] DE 4303579 A1 19930812 - VAILLANT JOH GMBH & CO [DE]

Cited by

BE1018339A3; EP1698828A3; EP1450102A1; EP2489936A3; US2013045077A1; US9677765B2; WO2010057929A1; WO2017013048A1; US10634346B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1333227 A2 20030806; **EP 1333227 A3 20040707**; **EP 1333227 B1 20080123**; DE 10203798 A1 20030821; DE 10203798 B4 20090813; DE 50211601 D1 20080313

DOCDB simple family (application)

EP 02026220 A 20021126; DE 10203798 A 20020131; DE 50211601 T 20021126