

Title (en)

Device and method for adjusting the rotational speed of a fan of a gas heater, especially a gas boiler

Title (de)

Vorrichtung und Verfahren zur Einstellung der Drehzahl eines Gebläses einer Gasheizeinrichtung, wie insbesondere einer Gastherme

Title (fr)

Dispositif et procédé de réglage de vitesse de rotation d'un ventilateur d'un dispositif de chauffage à gaz, notamment une chaudière à gaz

Publication

EP 0981025 A3 20030115 (DE)

Application

EP 99112113 A 19990623

Priority

- DE 19837637 A 19980819
- DE 19846207 A 19981007

Abstract (en)

[origin: EP0981025A2] Experimentally derived air flow rates for different exhaust hose lengths are stored in an electronic memory (28) and a temperature comparator (32) is fed with the reference value (33) and actual output value (39) from the heat exchanger (29), and the fan (40) is controlled by an output signal (43). The gas supply to the burner is controlled by a valve (30) and the fan speed by a regulator (41) and the comparator system matches the fan speed, hence the air flow, to the gas burning rate for the length of exhaust hose used.

IPC 1-7

F23N 3/08; **F23N 1/10**; **F23N 1/02**

IPC 8 full level

F23N 1/10 (2006.01); **F23N 3/08** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP)

F23N 1/102 (2013.01); **F23N 3/082** (2013.01); **F23N 1/02** (2013.01); **F23N 2223/04** (2020.01); **F23N 2223/08** (2020.01); **F23N 2233/08** (2020.01); **F23N 2235/16** (2020.01)

Citation (search report)

[A] US 4396369 A 19830802 - KAESSMANN GUSTAV [DE]

Cited by

CN106768072A; AT412902B; AT412367B; DE10340194B4; EP1701096A1; FR2824628A1; EP1519113A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0981025 A2 20000223; **EP 0981025 A3 20030115**; **EP 0981025 B1 20041110**; AT E282178 T1 20041115

DOCDB simple family (application)

EP 99112113 A 19990623; AT 99112113 T 19990623