

Title (en)

Apparatus controlling the air/fuel ratio of a burner

Title (de)

Regeleinrichtung für einen luftzahlgeregelten Brenner

Title (fr)

Appareil de regulation du rapport air/combustible d'un bruleur

Publication

EP 1186831 A1 20020313 (DE)

Application

EP 01117153 A 20010714

Priority

DE 10044633 A 20000905

Abstract (en)

The controller produces a comparison signal (SE) during the control period as a function of the sensor signal. The controller ascertains the difference between the comparison signal (SE, IE) and a corresponding signal. An alarm signal is produced as a function of the difference, by the controller.

Abstract (de)

Eine Regeleinrichtung überwacht während des Aufstarten die Qualität der zeitlichen Luftzahlsteuerung erfindungsgemäss dadurch, dass sie die Differenz eines Signals und eines Vergleichssignals beobachtet. <IMAGE>

IPC 1-7

F23N 5/00; **F23N 5/12**; **F23N 5/24**

IPC 8 full level

F23N 1/02 (2006.01); **F23N 5/00** (2006.01); **F23N 5/12** (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01); **F23N 3/08** (2006.01)

CPC (source: EP US)

F23N 1/022 (2013.01 - EP US); **F23N 5/123** (2013.01 - EP US); **F23N 5/242** (2013.01 - EP US); **F23N 3/082** (2013.01 - EP US); **F23N 2223/04** (2020.01 - EP US); **F23N 2233/08** (2020.01 - EP US); **F23N 2235/16** (2020.01 - EP US)

Citation (search report)

- [A] DE 19631821 A1 19980212 - STIEBEL ELTRON GMBH & CO KG [DE]
- [A] US 4436505 A 19840313 - YAMAGUCHI HIROSHI [JP], et al
- [A] DE 3937290 A1 19900517 - VAILLANT JOH GMBH & CO [DE]

Cited by

EP1396681A1; AT510002A4; AT510002B1; EP1746345A3; FR2975173A1; WO2021165051A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1186831 A1 20020313; **EP 1186831 B1 20031217**; AT E256844 T1 20040115; DE 10113468 A1 20020314; DE 50101177 D1 20040129; JP 2002130667 A 20020509; US 2002048737 A1 20020425; US 6527541 B2 20030304

DOCDB simple family (application)

EP 01117153 A 20010714; AT 01117153 T 20010714; DE 10113468 A 20010319; DE 50101177 T 20010714; JP 2001269432 A 20010905; US 93900201 A 20010824