

Title (en)

METHOD FOR REGULATING AND CONTROLLING A FIRING APPARATUS AND FIRING APPARATUS

Title (de)

VERFAHREN ZUR REGELUNG UND STEUERUNG EINER FEUERUNGSEINRICHTUNG UND FEUERUNGSEINRICHTUNG

Title (fr)

METHODE DE CONTROLE D'UN DISPOSITIF DE COMBUSTION ET DISPOSITIF DE COMBUSTION

Publication

**EP 1902254 B1 20160330 (DE)**

Application

**EP 05752994 A 20050620**

Priority

- EP 2005006627 W 20050620
- DE 102004030299 A 20040623
- DE 102004055716 A 20041118
- DE 202004017851 U 20040623

Abstract (en)

[origin: WO2006000366A1] Disclosed is a method for regulating a firing apparatus by taking into account the temperature and/or the burner load, especially in a gas burner. According to said method, the temperature (T<SUB>ist</SUB>) generated by the firing apparatus is regulated using a characteristic curve which represents a value range corresponding to a setpoint temperature (T<SUB>soll</SUB>) in accordance with a first parameter (m<SUB>L</SUB>, </SUB>V<SUB>L</SUB>) that corresponds to the burner load (Q). A second parameter, preferably the excess air coefficient (λ), which is defined as the ratio between the actually delivered quantity of air and the quantity of air theoretically required for optimal stoichiometric combustion, is constant when representing the characteristic curve.

IPC 8 full level

**F23N 1/02** (2006.01); **F23N 5/02** (2006.01); **F23N 5/16** (2006.01)

CPC (source: EP KR US)

**F23N 1/02** (2013.01 - KR); **F23N 1/022** (2013.01 - EP US); **F23N 5/02** (2013.01 - KR); **F23N 5/022** (2013.01 - EP US); **F23N 5/102** (2013.01 - EP US); **F23N 5/16** (2013.01 - EP US); **F23N 2233/08** (2020.01 - EP US); **F23N 2235/06** (2020.01 - EP US); **F23N 2235/10** (2020.01 - EP US); **F23N 2241/02** (2020.01 - EP US)

Cited by

EP4060233A1; EP4060232A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2006000366 A1 20060105**; CA 2571520 A1 20060105; CA 2571520 C 20131119; CA 2773654 A1 20060105; DE 102004055716 A1 20060112; DE 102004055716 B4 20070913; DE 102004055716 C5 20100211; EP 1902254 A1 20080326; EP 1902254 B1 20160330; EP 2594848 A1 20130522; EP 2594848 B1 20150923; KR 20070043712 A 20070425; KR 20110129884 A 20111202; US 2008318172 A1 20081225; US 2011033808 A1 20110210; US 8500441 B2 20130806; US 8636501 B2 20140128

DOCDB simple family (application)

**EP 2005006627 W 20050620**; CA 2571520 A 20050620; CA 2773654 A 20050620; DE 102004055716 A 20041118; EP 05752994 A 20050620; EP 13152525 A 20050620; KR 20067026710 A 20061219; KR 20117020876 A 20050620; US 62901905 A 20050620; US 90736510 A 20101019