

Title (en)

A control method for a pellet and/or biomass combustion apparatus and a pellet and/or biomass combustion apparatus operating according to such a method

Title (de)

Regelungsverfahren für eine Pellet- und/oder Biomasseverbrennungsvorrichtung und Pellet- und/oder Biomasseverbrennungsvorrichtung

Title (fr)

Procédé de contrôle d'un appareil de combustion à granulés et/ou biomasse et appareil de combustion à granulés et/ou biomasse

Publication

**EP 2362146 B1 20150715 (EN)**

Application

**EP 11155550 A 20110223**

Priority

IT VI20100042 A 20100223

Abstract (en)

[origin: EP2362146A1] The present invention concerns a combustion apparatus (1; 20) comprising: a combustion chamber (2); an exhaust circuit with fan for the forced extraction of the smokes, connected to the combustion chamber (2); a plurality of sensors suited to detect the operating conditions of the apparatus (1; 20); a combustion control unit (3). The control unit (3) is provided with one or more input ports for signals emitted by the sensors connected to the input ports, and one or more output ports for signals intended to control the means that supply the fuel-comburent mixture into the combustion chamber (2) and the smoke extraction means. The control unit (3) has feedback controls based on curves providing a correlation with the values measured by the sensors. The present invention also comprises a method for the operation of the combustion apparatus that constitutes an integrated system, in which all the operating parameters can be adjusted automatically and are correlated with each other so that modifying one of them means modifying all the others.

IPC 8 full level

**F23N 1/02** (2006.01); **F23N 5/00** (2006.01); **F23N 5/02** (2006.01)

CPC (source: EP)

**F23N 1/022** (2013.01); **F23N 5/003** (2013.01); **F23N 5/022** (2013.01); **F23N 1/02** (2013.01); **F23N 5/02** (2013.01); **F23N 2225/04** (2020.01); **F23N 2225/10** (2020.01); **F23N 2225/12** (2020.01); **F23N 2225/13** (2020.01); **F23N 2225/26** (2020.01); **F23N 2225/30** (2020.01)

Cited by

IT201800002922A1; CN105387452A; IT201800005896A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2362146 A1 20110831**; **EP 2362146 B1 20150715**; ES 2550519 T3 20151110; HU E027936 T2 20161128; IT 1398456 B1 20130222; IT VI20100042 A1 20110824; SI 2362146 T1 20151130

DOCDB simple family (application)

**EP 11155550 A 20110223**; ES 11155550 T 20110223; HU E11155550 A 20110223; IT VI20100042 A 20100223; SI 201130626 T 20110223