

Title (en)
METHOD FOR CONTROLLING A BURNER DEVICE WITH POWER DETERMINATION BASED ON A FUEL PARAMETER

Title (de)
VERFAHREN ZUR REGELUNG EINER BRENNEREINRICHTUNG MIT LEISTUNGSERMITTLUNG ÜBER EINEN BRENNSTOFFPARAMETER

Title (fr)
PROCÉDÉ DE RÉGULATION D'UN DISPOSITIF DE BRÛLEUR AVEC DÉTERMINATION DE LA PUISSANCE À L'AIDE D'UN PARAMÈTRE DE COMBUSTIBLE

Publication
EP 4050258 B1 20240605 (DE)

Application
EP 21194083 A 20210831

Priority
EP 21159771 A 20210226

Abstract (en)
[origin: CN114963230A] The power output is determined by a fuel parameter. A method for adjusting a burner apparatus, the burner apparatus comprising: a combustion chamber; an air supply duct leading to the combustion chamber and including an air actuator to adjust a value of an air supply amount through the air supply duct; and a fuel supply conduit leading to the combustion chamber and comprising a fuel actuator in order to adjust a value of a fuel supply amount through the fuel supply conduit, the method comprising the steps of: measuring and/or pre-determining a value of an air supply amount through the air supply conduit; measuring and/or pre-determining a value of the air ratio lambda; providing a fuel parameter h; calculating an actual value P_{ist} of the power output of the burner device from said value of the air supply, the value of the air ratio lambda, and the fuel parameter h; the burner device is adjusted by means of an actuator selected from a fuel actuator and an air actuator as a function of the actual value P_{ist} of the power output and the target value P_{soll} of the power output.

IPC 8 full level
F23D 14/60 (2006.01); **F23N 1/02** (2006.01); **F23N 5/00** (2006.01); **F23N 5/12** (2006.01); **F23N 5/18** (2006.01)

CPC (source: CN EP US)
F23D 14/60 (2013.01 - EP); **F23N 1/022** (2013.01 - EP US); **F23N 1/025** (2013.01 - CN EP); **F23N 5/006** (2013.01 - EP); **F23N 5/126** (2013.01 - EP); **F23N 5/184** (2013.01 - EP US); **F23K 2900/05001** (2013.01 - EP); **F23N 2005/181** (2013.01 - EP US); **F23N 2005/185** (2013.01 - EP); **F23N 2223/48** (2020.01 - CN); **F23N 2227/20** (2020.01 - EP); **F23N 2233/00** (2020.01 - EP); **F23N 2233/08** (2020.01 - EP); **F23N 2235/06** (2020.01 - US); **F23N 2235/10** (2020.01 - US); **F23N 2235/16** (2020.01 - EP US)

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 4050258 A1 20220831; **EP 4050258 B1 20240605**; **EP 4050258 C0 20240605**; CN 114963230 A 20220830; US 2022282866 A1 20220908

DOCDB simple family (application)
EP 21194083 A 20210831; CN 202210178562 A 20220225; US 202217682006 A 20220228