

Title (en)
ELECTRONIC CONTROL MODULE AND METHOD FOR CONTROLLING THE OPERATION AND SAFETY OF AT LEAST ONE RADIANT TUBE BURNER

Title (de)
ELEKTRONISCHES STEUERUNGSMODUL UND VERFAHREN ZUR STEUERUNG DES BETRIEBS UND DER SICHERHEIT VON MINDESTENS EINER STRALHBRENNERVORRICHTUNG

Title (fr)
MODULE DE CONTRÔLE ÉLECTRONIQUE ET PROCÉDÉ DE CONTRÔLE DU FONCTIONNEMENT ET DE LA SÉCURITÉ D'AU MOINS UN BRÛLEUR À TUBE RADIANT

Publication
EP 3390911 B1 20210721 (FR)

Application
EP 16836201 A 20161215

Priority
• FR 1562629 A 20151217
• EP 2016081282 W 20161215

Abstract (en)
[origin: WO2017103000A1] The invention relates to a control module for controlling at least one radiant tube burner, the burner comprising a fuel supply valve, an oxidant supply valve and a combustion fume discharge conduit, wherein the control module comprises: a means for measuring the quality of combustion, installed in the combustion fume discharge conduit of said at least one burner, a unit for measuring the fuel flow rate, a unit for measuring the oxidant flow rate, and a means for driving said at least one burner, acting on the opening percentages of the oxidant and fuel supply valves of said at least one burner in order to adjust the ratio of the oxidant flow rate to the fuel flow rate on the basis of the information delivered by the means for determining combustion quality.

IPC 8 full level
F23N 5/00 (2006.01); **F23C 3/00** (2006.01); **F23D 14/12** (2006.01); **F23D 14/60** (2006.01)

CPC (source: CN EP KR US)
F23C 3/002 (2013.01 - EP KR US); **F23D 14/126** (2021.05 - CN EP KR US); **F23D 14/60** (2013.01 - CN EP KR US); **F23N 1/02** (2013.01 - CN); **F23N 1/025** (2013.01 - US); **F23N 5/006** (2013.01 - EP KR US); **F23N 2221/10** (2020.01 - EP KR US); **F23N 2237/02** (2020.01 - 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)
WO 2017103000 A1 20170622; CN 108463671 A 20180828; CN 112066408 A 20201211; EP 3390911 A1 20181024; EP 3390911 B1 20210721; ES 2890881 T3 20220124; FR 3045783 A1 20170623; FR 3045783 B1 20190816; JP 2018537649 A 20181220; KR 20180094932 A 20180824; PL 3390911 T3 20211213; US 2018372315 A1 20181227

DOCDB simple family (application)
EP 2016081282 W 20161215; CN 201680073367 A 20161215; CN 202010977203 A 20161215; EP 16836201 A 20161215; ES 16836201 T 20161215; FR 1562629 A 20151217; JP 2018531331 A 20161215; KR 20187018092 A 20161215; PL 16836201 T 20161215; US 201616062963 A 20161215