

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE IGNITION AND THE COMBUSTION OF A BURNER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG DER ZÜNDUNG UND DER VERBRENNUNG DURCH EINEN BRENNER

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONTRÔLE D'ALLUMAGE ET DE COMBUSTION D'UN BRÛLEUR

Publication

**EP 3184894 A1 20170628 (EN)**

Application

**EP 16205815 A 20161221**

Priority

IT UB20159682 A 20151223

Abstract (en)

A method for controlling the combustion of a burner (1) comprising an ignition step of the burner (1), a subsequent step of detecting a combustion value ( lono ) representing a quality of the flame (4) and checking whether the detected lono combustion value falls within a range of predefined values ( lonoMax and lonoMin ). The method comprises a step of switching off the burner (1) if the combustion value ( lono ) detected falls outside said range of the predefined values and of repeating the ignition step to vary the flow rate of the fuel according to an ignition ramp (5) and/or a predefined initial value ( lmodlgnMin ) that are different to the ignition ramp (5) and/or to the predefined initial value ( lmodlgnMin ) used during the preceding step of igniting the burner (1).

IPC 8 full level

**F23N 5/12** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

**F23N 5/123** (2013.01); **F23N 5/242** (2013.01); **F23N 2227/02** (2020.01)

Citation (applicant)

WO 2014140687 A1 20140918 - IDEA S P A [IT]

Citation (search report)

- [A] DE 19941978 A1 20010315 - STIEBEL ELTRON GMBH & CO KG [DE]
- [A] US 2009148798 A1 20090611 - GEIGER ULRICH [DE], et al
- [A] DE 19820192 A1 19981126 - VAILLANT JOH GMBH & CO [DE]
- [A] US 5899683 A 19990504 - NOLTE HUBERT [DE], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3184894 A1 20170628**; **EP 3184894 B1 20180718**; ES 2691248 T3 20181126; IT UB20159682 A1 20170623; PL 3184894 T3 20190329

DOCDB simple family (application)

**EP 16205815 A 20161221**; ES 16205815 T 20161221; IT UB20159682 A 20151223; PL 16205815 T 20161221