

Title (en)

METHOD FOR MONITORING AND CONTROLLING A BURNER FLAME OF A HEATING DEVICE BURNER

Title (de)

VERFAHREN ZUR ÜBERWACHUNG UND REGELUNG EINER BRENNERFLAMME EINES HEIZGERÄTEBRENNERS

Title (fr)

PROCÉDÉ POUR LA SURVEILLANCE ET LE RÉGLAGE D'UNE FLAMME DE BRÛLEUR D'UN BRÛLEUR D'APPAREIL DE CHAUFFAGE

Publication

EP 3746707 B1 20210505 (DE)

Application

EP 19713741 A 20190321

Priority

- DE 102018118288 A 20180727
- EP 2019057067 W 20190321

Abstract (en)

[origin: WO2020020494A1] The invention relates to a method for monitoring and controlling a burner flame of a burner of a heating device by means of a control device, wherein an ionization electrode is positioned in contact with the burner flame, two fixed voltages are cyclically and continually fed to the ionization electrode via a flame intensifier by means of a voltage generator, and the ionization currents measured by the ionization electrode in the burner flame are measured by the flame intensifier and are transmitted to the control device.

IPC 8 full level

F23N 5/12 (2006.01); **F23C 99/00** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

F23C 99/00 (2013.01); **F23N 5/123** (2013.01); **F23N 5/242** (2013.01); **F23N 2227/02** (2020.01); **F23N 2231/10** (2020.01); **F23N 2241/06** (2020.01)

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 2020020494 A1 20200130; DE 102018118288 A1 20200130; EP 3746707 A1 20201209; EP 3746707 B1 20210505

DOCDB simple family (application)

EP 2019057067 W 20190321; DE 102018118288 A 20180727; EP 19713741 A 20190321