

Title (en)

METHOD FOR CONTROLLING A HEATING UNIT, AND HEATING UNIT AND COMPUTER PROGRAM PRODUCT FOR CARRYING OUT THE CONTROL METHOD

Title (de)

VERFAHREN ZUR STEUERUNG EINER HEIZEINHEIT SOWIE HEIZEINHEIT UND COMPUTERPROGRAMMPRODUKT ZUR AUSFÜHRUNG DES STEUERVERFAHRENS

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE UNITÉ DE CHAUFFAGE, UNITÉ DE CHAUFFAGE ET PRODUIT DE PROGRAMME INFORMATIQUE DESTINÉ À METTRE EN UVRE LE PROCÉDÉ DE COMMANDE

Publication

EP 3374697 A1 20180919 (DE)

Application

EP 16794647 A 20161111

Priority

- DE 102015222155 A 20151111
- EP 2016077512 W 20161111

Abstract (en)

[origin: CA3004943A1] The invention relates to a method for controlling a heating unit comprising a burner (1) with a burner housing (2), an ionization electrode (7) paired with the burner (1), and a voltage supply (8) for applying an alternating voltage between the ionization electrode (7) and the burner housing (2). The method has the following method steps: applying an alternating voltage between the ionization electrode (7) and the burner housing (2) by means of the voltage supply (8) and correcting the output of the voltage supply (8) in the event of parasitic leakage flows. In particular, the aim of the invention is to improve the reliability when ascertaining the air-fuel ratio via the ionization current.

IPC 8 full level

F23N 5/12 (2006.01)

CPC (source: EP US)

F23N 1/025 (2013.01 - US); **F23N 5/12** (2013.01 - EP US); **F23N 5/126** (2013.01 - US); **F23N 2223/06** (2020.01 - US); **F23N 2223/42** (2020.01 - US); **F23N 2223/54** (2020.01 - US); **F23N 2229/12** (2020.01 - EP US)

Citation (search report)

See references of WO 2017081307A1

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)

DE 102015222155 A1 20170511; **DE 102015222155 B4 20190619**; CA 3004943 A1 20170518; EP 3374697 A1 20180919; EP 3374697 B1 20220316; US 10605458 B2 20200331; US 2018372317 A1 20181227; WO 2017081307 A1 20170518

DOCDB simple family (application)

DE 102015222155 A 20151111; CA 3004943 A 20161111; EP 16794647 A 20161111; EP 2016077512 W 20161111; US 201615775386 A 20161111