

Title (en)

METHOD OF MAINTAINING THE COMBUSTION AIR FLOW RATE FED TO THE COMBUSTION CHAMBER AND HEATING APPARATUS OPERATING ACCORDING TO SUCH A METHOD

Title (de)

VERFAHREN ZUR KONSTANTHALTUNG DES DEM BRENNERRAUM EINES MOBILEN HEIZGERÄTES ZUGEFÜHRTEN VERBRENNUNGSLUFT-MASSENSTROMS UND NACH EINEM SOLCHEN VERFAHREN ARBEITENDES HEIZGERÄT

Title (fr)

PROCÉDÉ DE MAINTIEN CONSTANT DU DÉBIT MASSIQUE D'AIR DE COMBUSTION FOURNI PAR LA CHAMBRE DE COMBUSTION D'UN APPAREIL DE CHAUFFAGE ET APPAREIL DE CHAUFFAGE FONCTIONNANT SELON UN TEL PROCÉDÉ

Publication

**EP 3296634 B1 20181212 (DE)**

Application

**EP 17191209 A 20170914**

Priority

- DE 102016117323 A 20160914
- DE 202016105123 U 20160914

Abstract (en)

[origin: CN107816733A] In order to keep a combustion air mass flow, which is fed to a combustion chamber of a mobile heating apparatus by means of a combustion air fan motor excited by a permanent magnet to so as to keep a predetermined value of optimal combustion constant, a torque delivered by the combustion air fan motor (1) is controlled to be a predetermined value by the motor current of the combustion air fan motor (1), the combustion air fan motor is controlled to preset a target motor current IM by a closed-loop control device (3), the target motor current can be changed in accordance with a temperature T magnet of the combustion air fan motor (1) in a parameter control manner, and the temperature is detected by measurement.

IPC 8 full level

**F23N 3/00** (2006.01)

CPC (source: CN EP)

**F23N 3/002** (2013.01 - CN EP); **F23D 2900/21002** (2013.01 - EP); **F23N 2241/14** (2020.01 - EP)

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 3296634 A1 20180321**; **EP 3296634 B1 20181212**; CN 107816733 A 20180320; CN 107816733 B 20200303; ES 2703449 T3 20190308; PL 3296634 T3 20190531

DOCDB simple family (application)

**EP 17191209 A 20170914**; CN 201710827748 A 20170914; ES 17191209 T 20170914; PL 17191209 T 20170914