

Title (en)

Method for regulating the composition of an air-combustible gas mixture fed to a burner of a gas heater and device for carrying out the method

Title (de)

Verfahren zur Regelung der Zusammensetzung eines Luft-Brenngas-Gemisches, das dem Brenner eines Gasheizkessels zugeführt wird, sowie Vorrichtung, welche die Durchführung dieses Verfahrens ermöglicht

Title (fr)

Procédé de régulation de la composition d'un mélange air/gaz combustible alimentant le brûleur d'une chaudière à gaz ainsi que dispositif permettant la mise en oeuvre de ce procédé

Publication

EP 2604918 B1 20151007 (FR)

Application

EP 12191027 A 20121102

Priority

FR 1159888 A 20111102

Abstract (en)

[origin: EP2604918A1] The method involves controlling combustible gas output that is fed to a burner when temperature of a gas mixture provided to the burner is lower than a pre-defined threshold value during starting a gas-fired boiler. The combustible gas output is controlled with a pressure (P1) that is lower than another pressure (P2) when temperature of the gas mixture reaches a threshold value under normal functioning of the boiler. The boiler is arranged with a combustion chamber. An independent claim is also included for a device for regulation of composition of an air/fuel gas mixture supplied to a burner of a gas-fired boiler.

IPC 8 full level

F23D 14/36 (2006.01); **F23N 1/02** (2006.01); **F23N 5/02** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)

F23D 14/36 (2013.01); **F23N 1/02** (2013.01); **F23N 5/02** (2013.01); **F23N 5/18** (2013.01); **F23N 2900/05181** (2013.01)

Cited by

EP3121516A1; FR3039260A1

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)

FR 2982007 A1 20130503; **FR 2982007 B1 20131220**; EP 2604918 A1 20130619; EP 2604918 B1 20151007

DOCDB simple family (application)

FR 1159888 A 20111102; EP 12191027 A 20121102