

Title (en)
Method and apparatus for controlling the air ratio of a burner

Title (de)
Verfahren und Vorrichtung zur Luftzahlregelung eines Brenners

Title (fr)
Procédé et dispositif de régulation du facteur d'air d'un brûleur

Publication
EP 2549187 B1 20161109 (DE)

Application
EP 12176837 A 20120718

Priority
DE 102011079325 A 20110718

Abstract (en)
[origin: EP2549187A2] The method involves disconnecting an ignition electrode (102) by a medium for generating the ignition voltage (104). An electrical signal (115a) is sensed to an ionization electrode (103) and the signal is derived dependent on an air ratio in response to the electrical signal. Another electrical signal (115b) is sensed to the ignition electrode and another signal dependent on the air ratio is derived in response to the latter electrical signal. An independent claim is included for a burner, particularly oil or gas burner with an ignition electrode.

IPC 8 full level
F23N 1/02 (2006.01); **F23N 5/12** (2006.01)

CPC (source: EP)
F23N 1/022 (2013.01); **F23N 5/123** (2013.01); **F23N 2229/14** (2020.01)

Cited by
EP3059496A1; DE102017204003A1; EP3339735A1; WO2022013064A1; DE102020118970A1; WO2021204471A1; DE102020205449A1; WO2021219582A1; EP4133214B1

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 2549187 A2 20130123; EP 2549187 A3 20150429; EP 2549187 B1 20161109; DE 102011079325 A1 20130124; DE 102011079325 B4 20170126; ES 2619278 T3 20170626; PL 2549187 T3 20180131; PL 2549187 T4 20180131

DOCDB simple family (application)
EP 12176837 A 20120718; DE 102011079325 A 20110718; ES 12176837 T 20120718; PL 12176837 T 20120718