

Title (en)

Method for operating a gas burner

Title (de)

Verfahren zum Betreiben eines Gasbrenners

Title (fr)

Procédé destiné au fonctionnement d'un brûleur à gaz

Publication

**EP 2354657 A3 20141112 (DE)**

Application

**EP 11000080 A 20110107**

Priority

DE 102010004826 A 20100115

Abstract (en)

[origin: EP2354657A2] The method involves determining whether gas-combustion air mixture and a combustion chamber (11) of a gas burner (10) comprise contamination, from ionization current that is provided by an ionization sensor (13). Composition and/or amount of gas-combustion air mixture are adjusted based on the current when the contamination is less than a threshold value. The composition and/or amount of air mixture are not adjusted based on the current when the contamination is greater than another threshold value, which is larger than the former threshold value.

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 5/12** (2013.01); **F23N 2227/20** (2020.01)

Citation (search report)

- [A] EP 1293727 A1 20030319 - SIEMENS BUILDING TECH AG [CH]
- [A] US 2004009442 A1 20040115 - BLAAUWWIEKEL PIET [NL]

Cited by

EP2631541A1; EP3869101A1; WO2021165032A1

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)

**EP 2354657 A2 20110810; EP 2354657 A3 20141112; EP 2354657 B1 20160427**; DE 102010004826 A1 20110721

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