

Title (en)

Method for detecting the gas family and gas burner

Title (de)

Verfahren zur Erkennung der Gasfamilie sowie Gasbrennvorrichtung

Title (fr)

Procédé de détection de la famille de gaz et dispositif destiné à brûler des gaz

Publication

EP 2706300 A3 20140618 (DE)

Application

EP 13176387 A 20130712

Priority

DE 102012108268 A 20120905

Abstract (en)

[origin: EP2706300A2] The method involves measuring an air mass flow supplied to the blower with an air flow meter and a blower speed at a given time point. The blower is operated during constant air mass flow. The gas is supplied in flow direction towards air flow meter into the air mass flow, so that the blower supplies a gas-air-mixture, so that the blower changes the air mass flow into another air mass flow. The latter air mass flow is measured with the air flow meter and another blower speed resulting from the gas supply. The former blower speed is compared with the latter blower speed. An independent claim is included for a gas combustion device with a gas burner.

IPC 8 full level

F23N 5/00 (2006.01)

CPC (source: EP)

F23N 5/00 (2013.01); **F23N 2221/10** (2020.01); **F23N 2239/04** (2020.01)

Citation (search report)

- [A] US 2002115030 A1 20020822 - KOEGL RUDOLF [DE], et al
- [AD] DE 10200128 A1 20030724 - JOSEF REICHENBRUCH FA [DE]

Cited by

EP3299718A1; EP3301365A1

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 2706300 A2 20140312; EP 2706300 A3 20140618; EP 2706300 B1 20150916; DE 102012108268 A1 20140306

DOCDB simple family (application)

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