

Title (en)
Method for regulating a gas/air mixture

Title (de)
Verfahren zur Regelung eines Gas-/Luftgemisches

Title (fr)
Procédé destiné au réglage d'un mélange gaz/air

Publication
EP 2466202 A3 20171018 (DE)

Application
EP 11009679 A 20111209

Priority
AT 20912010 A 20101220

Abstract (en)
[origin: EP2466202A2] The method involves detecting the pressure difference between air and gas supply (5,6) by measuring device (7) in mixing device (3) at high sampling rate. The variability in measured values of differential pressure is determined. The low-pass filtering of the measured values is performed. The control of gas valve (8) is performed, such that pressure difference is compensated to zero. The control variables such as position of the gas valve or the minimum speed of the blower (1) are associated, when the reference value is exceeded by a threshold value.

IPC 8 full level
F23N 1/02 (2006.01); **F23N 3/08** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)
F23N 1/025 (2013.01); **F23N 3/085** (2013.01); **F23N 5/245** (2013.01); **F23N 2225/04** (2020.01); **F23N 2231/28** (2020.01); **F23N 2233/08** (2020.01); **F23N 2900/05181** (2013.01)

Citation (search report)

- [A] DE 19824521 A1 19991209 - HONEYWELL BV [NL]
- [A] EP 0614046 A1 19940907 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [A] EP 0044670 A1 19820127 - HONEYWELL INC [US]
- [A] US 2001051107 A1 20011213 - LOCHSCHMIED RAINER [DE]

Cited by
EP4170235A1; EP2829803A1; DE102022101002A1; EP2682679A3; EP3290799A1; WO2017063937A1; EP4092325A1; WO2022243160A1

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

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AT 510002 A4 20120115; AT 510002 B1 20120115; EP 2466202 A2 20120620; EP 2466202 A3 20171018; EP 2466202 B1 20181121; ES 2702709 T3 20190305

DOCDB simple family (application)
AT 20912010 A 20101220; EP 11009679 A 20111209; ES 11009679 T 20111209