

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

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BA ME

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