

Title (en)

Method for monitoring a gas fuelled burner

Title (de)

Verfahren zur Überwachung eines brenngasbetriebenen Brenners

Title (fr)

Procédé de surveillance d'un brûleur à gaz combustible

Publication

EP 2682679 B1 20170830 (DE)

Application

EP 13174488 A 20130701

Priority

DE 102012013223 A 20120704

Abstract (en)

[origin: EP2682679A2] The method involves monitoring flow between fuel gas pipe (2) and combustion air pipe (14). A fuel gas-air ratio is leaned out until measured signal exceeds/falls limit value. A differential pressure sensor (4) detects presumably richer and leaner fuel gas-air ratios that are approached as target fuel gas-air ratio. A flow in direction of combustion air pipe and fuel gas pipe is detected in action presumed to lean fuel gas-air ratio of volumetric flow. The differential pressure sensor detects flow in direction of combustion air pipe for setting error and error signal.

IPC 8 full level

F23N 5/12 (2006.01)

CPC (source: EP)

F23N 3/002 (2013.01); **F23N 5/123** (2013.01); **F23N 2225/06** (2020.01); **F23N 2225/30** (2020.01); **F23N 2231/20** (2020.01); **F23N 2233/08** (2020.01); **F23N 2235/16** (2020.01); **F23N 2900/05181** (2013.01)

Cited by

CN113048509A; CN111829004A; EP4336102A1; EP3690318A3; EP3299718A1; EP3339735A1; EP4050258A1

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