

Title (en)

Method of adjusting the air/fuel ratio for a gas fired burner

Title (de)

Verfahren zur Brenngas-Luft-Einstellung für einen brenngasbetriebenen Brenner

Title (fr)

Procédé de réglage du rapport air/carburant d'un brûleur fonctionnant au gaz

Publication

EP 2014985 A3 20140226 (DE)

Application

EP 08012196 A 20080707

Priority

AT 10992007 A 20070713

Abstract (en)

[origin: EP2014985A2] The setting process for the burner (1) is monitored by an ionization electrode (3), the signal of which may be measured directly or indirectly. During operation, the mixture is weakened and the ionization signal is continuously measured, A signal gradient is formed. If this is exceeded, the weakening of the mixture is ended and the mixtures setting is thus defined.

IPC 8 full level

F23N 5/12 (2006.01)

CPC (source: EP)

F23N 5/123 (2013.01)

Citation (search report)

- [XD] US 5971745 A 19991026 - BASSETT WILLIAM W [US], et al
- [XI] EP 1176364 A1 20020130 - NEFIT BUDERUS B V [NL]
- [I] US 4118172 A 19781003 - NOIR DOMINIQUE, et al
- [A] US 2006257805 A1 20061116 - NORDBERG TIMOTHY J [US], et al
- [A] EP 1331444 A2 20030730 - VAILLANT GMBH [DE]
- [A] DE 19839160 A1 20000302 - STIEBEL ELTRON GMBH & CO KG [DE]

Cited by

AU2019325272B2; EP3290801A1; CN111486473A; EP2405198A1; EP3825623A1; DE102019003451A1; DE102019119214A1; EP3690318A3; US11761629B2; WO2020038919A1; WO2012004211A3; WO2012041777A1; DE102019119186A1; EP3690318A2; DE102020129816A1; EP4023941A2; EP3767174A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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