

Title (en)

Method and circuit for controlling a gas burner

Title (de)

Verfahren und Schaltung zur Regelung eines Gasbrenners

Title (fr)

Procédé et circuit pour commander un brûleur à gaz

Publication

EP 0770824 A3 19980415 (DE)

Application

EP 96115721 A 19961001

Priority

- DE 19539568 A 19951025
- DE 19618573 A 19960509

Abstract (en)

[origin: EP0770824A2] The regulation system uses an ionisation electrode (4) providing an ionisation signal dependent in the temp. or lambda value of the combustion, supplied to a regulation circuit (9) for comparison with a reference value, for adjustment of the air/fuel ratio for the burner (1). A calibration cycle is initiated at regular intervals or after a defined operating time, with the lambda value reduced and the corresponding ionisation signal measured. The max. values of the ionisation signal are stored for correction of the required value for the regulation.

IPC 1-7

F23N 1/02; **F23N 5/12**

IPC 8 full level

F23N 1/02 (2006.01); **F23N 5/12** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] NL 8403840 A 19860716 - TNO
- [A] DE 4121924 A1 19920206 - CARRIER CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 043 (M - 117) 17 March 1982 (1982-03-17)

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