

Title (en)

Method and device for controlling excess-air premix gas burners

Title (de)

Verfahren und Vorrichtung zum Betreiben eines überstöchiometrisch vormischenden Gasbrenners

Title (fr)

Procédé et dispositif de commande de brûleurs à gaz avec prémélange et excès d'air

Publication

EP 0643265 B1 19980422 (DE)

Application

EP 94113828 A 19940903

Priority

DE 4331048 A 19930913

Abstract (en)

[origin: EP0643265A1] The burner is operated at a distance from the flame stability limit. The light intensity is measured as the flame characteristic which represents the state of combustion. A mean value signal is formed therefrom, as is a signal for the standard deviations. Furthermore, a specific value of the standard deviations is defined. This value is assigned a different mean value signal depending on the type of gas. The controller detects from this assignment the type of gas with which the burner is being operated, and prescribes a corresponding desired value for the mean value signal, doing so with the aid of a family of characteristics (characteristics map), or as the distance from the actual value of the mean value signal assigned to the defined value of the standard deviations. <IMAGE>

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CPC (source: EP)

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