

Title (en)

METHOD AND DEVICE FOR FLAME SIGNAL DETECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FLAMMENSIGNALERFASSUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTECTION DE SIGNAL DE FLAMME

Publication

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Application

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Abstract (en)

[origin: WO2017080820A1] The invention relates to a method for flame signal detection by means of an ionisation electrode protruding into a combustion zone of a burner, comprising the steps: detecting a first signal, which is dependent upon an ionisation stream flowing off from the ionisation electrode, generating a second signal which has a predetermined periodic pattern, generating a third signal by addition of the first signal (225) and of the second signal, comparing the third signal with a first threshold value (reference 1) and generating a fourth signal (output signal 1) on the basis of the comparison of the third signal with the first threshold value (reference 2), comparing the third signal with a second threshold value (reference 2) different from the first threshold value and generating a fifth signal (output signal 1) on the basis of the comparison of the third signal with the second threshold value (reference 2), and determining an operating variable of the burner on the basis of at least one of the fourth signal and the fifth signal. The invention further relates to a corresponding device for flame signal detection.

IPC 8 full level

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CPC (source: EP US)

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