

Title (en)

Control device for a gas burner, and use of the control device

Title (de)

Regeleinrichtung für einen Gasbrenner, sowie Verwendung einer solchen Regeleinrichtung

Title (fr)

Dispositif de commande pour un brûleur à gaz, et utilisation d'un tel dispositif

Publication

EP 2154430 B1 20150930 (DE)

Application

EP 08105048 A 20080815

Priority

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Abstract (en)

[origin: EP2154430A1] The device has a signal processing circuit (3) comprising an operational amplifier (IC1). An ionization electrode (2) is attached to a voltage source (S) e.g. transformer, that generates an alternating voltage (25), which is galvanically separated from an energy supply (13) of the source. The voltage is activated so that an ionization current (26) flows with a direct current component from the electrode to the amplifier by a flame (1). The amplifier amplifies the current or the component that flows to the electrode through the source and forms a closed electric circuit with the flame.

IPC 8 full level

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CPC (source: EP)

F23N 1/022 (2013.01); **F23N 5/123** (2013.01)

Cited by

EP2495496A1; CN111396869A; US9062882B2; EP3985308A1; DE102020126788A1

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