

Title (en)

DEVICE AND METHOD FOR THE CONTROL AND DETECTION OF THE FLAME OF A GAS BURNER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STEUERUNG UND DETEKTION DER FLAMME EINES GASBRENNERS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RÉGULATION ET DE DÉTECTION DE FLAMME DE BRÛLEUR À GAZ

Publication

EP 3728950 A1 20201028 (EN)

Application

EP 17837993 A 20171221

Priority

IB 2017058264 W 20171221

Abstract (en)

[origin: WO2019122976A1] A control device (1) for control and detection of the flame of a burner (200), comprising an ionisation electrode (2) arranged, in use, at a region in which a flame of the burner (200) is present, and an electric circuit (3) for generating a triangular voltage signal (Vtr) having a triangle wave form and connected to the ionisation electrode (2) in such a way that on varying the ionisation current (Ion) the average value of the triangular voltage signal (Vtr) also varies. Said device (1) comprises at least an output circuit (11) connected to the circuit (3) for generating the triangular voltage signal (Vtr) and comprising an electronic group (12) for generating a duty-cycle as a function of the average value of the triangular voltage signal (Vtr).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2019122976A1

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