

Title (en)

A DEVICE FOR DETERMINING AN EARLIEST FLAME APPEARANCE TIME IN AN AIR-GAS MIXTURE BURNING APPLIANCE

Title (de)

VORRICHTUNG ZUR BESTIMMUNG DER FRÜHESTEN FLAMMENAUSSICHTZEIT IN EINER VORRICHTUNG ZUR VERBRENNUNG EINES LUFT-GAS-GEMISCHES

Title (fr)

DISPOSITIF POUR DÉTERMINER LE TEMPS D'APPARITION DE FLAMME LE PLUS PRECOCE DANS UN APPAREIL DE COMBUSTION DE MÉLANGE AIR-GAZ

Publication

EP 4191134 A2 20230607 (EN)

Application

EP 22202351 A 20221019

Priority

GB 202116393 A 20211112

Abstract (en)

In an air-gas mixture burning appliance (100) that comprises a burning unit (120), a flame detector (150) an air-gas mixing unit (110), a gas valve (194), and a controller (140), the controller (140) being adapted for determining an earliest flame appearance time for an ignition phase of the burning unit (120) by selecting from at least two different durations of time, wherein the controller (140) determines the earliest flame appearance time as an anticipated minimum duration of time that elapses between an opening of the gas valve (194) and the flame detector (150) sensing the presence of a flame (122) in the burning unit (120).

IPC 8 full level

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CPC (source: EP GB)

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Designated contracting state (EPC)

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