

Title (en)

Monitoring the presence of two flames in a fuel combustion device

Title (de)

Überwachung des Vorhandenseins zweier Flammen in einer Brennstoff-Verbrennungsvorrichtung

Title (fr)

Surveillance de la présence de deux flammes dans un dispositif de combustion de carburant

Publication

EP 2520862 B1 20140813 (DE)

Application

EP 11164502 A 20110502

Priority

EP 11164502 A 20110502

Abstract (en)

[origin: EP2520862A1] The device (100) has a voltage supply device (130) i.e. transformer, connected with flame detectors (110, 120) for supplying alternating voltage to the flame detectors. An evaluation circuit (150) is connected with the flame detectors via a common signal input (138) i.e. connection contact. The flame detectors are connected relative to the voltage supply device and the evaluation circuit such that measurement signals present at the signal input in two half waves are indicative of an intensity of UV radiations. The evaluation circuit evaluates the signals independent of each other. An independent claim is also included for a method for independently monitoring presence of flames in a fuel combustion device.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

EP 2520862 A1 20121107; **EP 2520862 B1 20140813**; CA 2775763 A1 20121102; CA 2775763 C 20150623; ES 2511067 T3 20141022; US 2012280134 A1 20121108; US 9170020 B2 20151027

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