

Title (en)

Smoke detection through two spectrally different light scattering measurements

Title (de)

Rauchdetektion mittels zweier spektral unterschiedlicher Streulichtmessungen

Title (fr)

Détection de fumée à l'aide de deux mesures à lumière diffusée spectrales différentes

Publication

EP 2093733 B1 20110427 (DE)

Application

EP 08101742 A 20080219

Priority

EP 08101742 A 20080219

Abstract (en)

[origin: EP2093733A1] The device (100) has an LED (110) emitting temporal sequence of light pulses, where one of the light pulses includes spectral distribution and another light pulse includes another spectral distribution different from the former spectral distribution. A light receiver (120) receives a set of scattered lights from the light pulses, and prepares a set of output signals that are indicative for the scattered lights. An evaluation unit compares one of the output signals with another output signal. The LED and light receiver are arranged directly adjacent to one another. An independent claim is also included for a method for detecting smoke on the basis of optical scattered light measurement.

IPC 8 full level

G08B 29/04 (2006.01)

CPC (source: EP US)

G08B 17/107 (2013.01 - EP US); **G08B 29/043** (2013.01 - EP US); **G08B 17/113** (2013.01 - EP US)

Cited by

EP2463837A1; EP3029648A1; EP3029646A1; EP3091517A1; US9541501B2; EP3091516A1; US10769921B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 08101742 A 20080219; AT 08101742 T 20080219; CN 200980105644 A 20090216; DE 502008003347 T 20080219; EP 2009051756 W 20090216; US 73584609 A 20090216