

Title (en)

Smoke detector and method for its operation

Title (de)

Brandmelder sowie Verfahren zum Betrieb eines Brandmelders

Title (fr)

Détecteur d'incendie, et méthode d'opération

Publication

EP 1369836 A1 20031210 (DE)

Application

EP 02010414 A 20020508

Priority

EP 02010414 A 20020508

Abstract (en)

The device has a measurement chamber, a transmitter and a signal processing unit with a receiver unit (1) for receiving radiation output by the transmitter and scattered by smoke or other aerosols and an alarm evaluation unit (3). The signal processing unit contains a control loop (5) with a regulating unit (4) and the control parameter for the control loop is superimposed on the output signal of the receiver unit. AN Independent claim is also included for the following: (a) a method of operating especially an inventive device.

Abstract (de)

Bei der Erfindung handelt es sich um einen Brandmelder nach dem Steulichtprinzip und ein Verfahren zu dessen Betrieb, bei dem dem Empfangssignal ein weiteres Signal überlagert wird, um eine hohe Signalverstärkung zu ermöglichen. <IMAGE>

IPC 1-7

G08B 17/107; **G08B 29/24**

IPC 8 full level

G08B 17/107 (2006.01); **G08B 29/24** (2006.01)

CPC (source: EP)

G08B 17/107 (2013.01); **G08B 29/24** (2013.01)

Citation (search report)

- [XA] US 5523743 A 19960604 - RATTMAN WILLIAM J [US], et al
- [A] EP 1098284 A2 20010509 - E I TECHNOLOGY LTD [IE]
- [X] US 4225791 A 19800930 - KOMPELIEN ARLON D
- [A] US 4514720 A 19850430 - OBERSTEIN KARLA [DE], et al

Cited by

CN111263958A; US11790751B2; WO2019089450A1

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