

Title (en)

Aspirating smoke detector and method of its operation

Title (de)

Ansaugender Brandmelder und Verfahren zu dessen Betrieb

Title (fr)

Détecteur de fumée à aspiration et méthode de son fonctionnement

Publication

EP 1638062 A1 20060322 (DE)

Application

EP 05019151 A 20050902

Priority

DE 102004044094 A 20040909

Abstract (en)

A fire alarm box (61) sucks air in via a system (64) of pipes for rooms and equipment to be monitored and examines this air for parameters which are characteristic of a fire. Volume flow in the system of pipes and the fire alarm box is measured and, after adjustment, is examined for a disconnection or obstructions by comparison with upper and lower limiting values (614). Preferably a correction value is determined for every detector with respect to temperature, air pressure, humidity and hermeticity. An independent claim is also included for a fire alarm box with a detector for the parameters of a fire for carrying out the method of the present invention.

IPC 8 full level

G08B 29/04 (2006.01); **G08B 17/10** (2006.01); **G08B 29/24** (2006.01)

CPC (source: EP)

G08B 17/10 (2013.01); **G08B 29/043** (2013.01); **G08B 29/24** (2013.01)

Citation (applicant)

- DE 3331203 A1 19850314 - SECURITON AG [CH]
- DE 4428694 A1 19960222 - WAGNER ALARM SICHERUNG [DE]
- EP 1056062 B1 20030924 - SECURITON AG [CH]

Citation (search report)

- [XY] EP 0696787 A1 19960214 - WAGNER ALARM SICHERUNG [DE]
- [Y] EP 0418409 A1 19910327 - SIEMENS AG [DE]
- [A] US 4254414 A 19810303 - STREET THOMAS T, et al
- [A] EP 0197371 A1 19861015 - SIEMENS AG [DE]

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