

Title (en)
Fire detection method and device

Title (de)
Verfahren und Vorrichtung zur Erkennung eines Brandes

Title (fr)
Procédé et dispositif destinés à la détection d'un incendie

Publication
EP 1811478 A1 20070725 (DE)

Application
EP 06000260 A 20060107

Priority
EP 06000260 A 20060107

Abstract (en)
The method involves sucking compartment air at suction points (6), and blowing a detector (4) from a suction pipe end (21) of a suction pipe system (23). A time measurement is started when a fire characteristic is detected by the detector. The detector (4) or a detector (14) is blown from a suction pipe end (22). The time measurement is terminated, when another fire characteristic is determined by one of the detectors. The suction point with both detected characteristics is identified based on a time difference between two detected characteristics and a system specific location-time function. An independent claim is also included for a device for detecting fire.

Abstract (de)
Die Erfindung betrifft ein Verfahren und eine Vorrichtung zum Erkennen von Bränden, bei denen über ein Ansaugrohrsystem (23), repräsentative Luftmengen der zu überwachenden Räume entnommen werden und Sensoren für Brandkenngrößen zugeführt werden, wobei die Ansaugstelle (6), welche als erste eine Brandkenngröße in ausreichender Menge aufgenommen hat, mittels einer Zeitmessung identifiziert wird.

IPC 8 full level
G08B 17/10 (2006.01); **G08B 17/117** (2006.01)

CPC (source: EP)
G08B 17/10 (2013.01); **G08B 17/117** (2013.01); **G08B 17/113** (2013.01)

Citation (applicant)

- DE 3348107 C2 19880121
- EP 1056062 B1 20030924 - SECURITON AG [CH]
- EP 1177539 B1 20020904 - AIRSENSE TECHNOLOGY LTD [GB]
- DE 10125687 A1 20021219 - WAGNER ALARM SICHERUNG [DE]
- DE 3237021 C2 19860703
- DE 10348565 A1 20050525 - WAGNER ALARM SICHERUNG [DE]

Citation (search report)

- [X] US 5708218 A 19980113 - JAX PETER [DE]
- [A] DE 10348565 A1 20050525 - WAGNER ALARM SICHERUNG [DE]

Cited by
EP2450860A1; CN104200605A; DE102010042700B4; EP1993082A1; CN102938183A; DE102011005602A1; DE102011005602B4; EP2544159A1; CN105917208A; CN104718435A; EP2909588A4; DE102021204398A1; US8629780B2; WO2008138877A1; WO2014059479A1; US9208671B2; DE102021134312A1; US8457816B2; EP2881922A1; EP2724328A4; CN104700548A; AU2014265133B2; EP2286394B1; TWI609175B; TWI665437B; US10545041B2; US11002579B2; EP4075104A1; EP2881922B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1811478 A1 20070725; EP 1811478 B1 20080402; AT E391325 T1 20080415; DE 502006000573 D1 20080515

DOCDB simple family (application)
EP 06000260 A 20060107; AT 06000260 T 20060107; DE 502006000573 T 20060107