

Title (en)

Fire alarm device and test method for testing its functional capability

Title (de)

Brandwarnmelder und Verfahren zur Überprüfung dessen Funktionsfähigkeit

Title (fr)

Alerte d'incendie et procédé de vérification de sa capacité de fonctionnement

Publication

**EP 1857989 A1 20071121 (DE)**

Application

**EP 07004736 A 20070308**

Priority

DE 102006023048 A 20060517

Abstract (en)

The device (1) has a housing (2) and a self-testing unit (4) for testing permeability of smoke entrance openings (3) in the housing. A sensor is provided for optically and/or acoustically sensing the opening, where the sensor is a distance sensor (9) and/or light sensor (5). The sensor is arranged in such a manner that a space is formed from the opening up to a fire detection sensor inside the fire alarm device. A reference sensor (8) is provided for measuring an ambient light of the fire alarm device. An independent claim is also included for a method for testing a functional capability of the fire alarm device.

Abstract (de)

Es werden ein Brandwarnmelder (1) mit einem Gehäuse (2) und einer Selbstprüfeinrichtung (4) zur Prüfung der Durchlässigkeit von Öffnungen (3) in dem Gehäuse (2) des Brandwarnmelders (1) sowie ein entsprechendes Verfahren beschrieben, bei denen zur Automatisierung einer Sichtprüfung ein mindestens eine Öffnung (3) optisch und/oder akustisch abtastender Sensor (5, 9) vorgesehen ist.

IPC 8 full level

**G08B 29/04** (2006.01); **G08B 17/10** (2006.01); **G08B 29/14** (2006.01)

CPC (source: EP)

**G08B 29/043** (2013.01); **G08B 29/145** (2013.01); **G08B 17/113** (2013.01)

Citation (search report)

- [A] GB 2212657 A 19890726 - HOCHIKI CO [JP]
- [E] DE 102005051123 A1 20070426 - SMARTGAS MIKROSENSORIK GMBH [DE]
- [A] GB 2352516 A 20010131 - HOCHIKI CO [JP]
- [A] JP H02224094 A 19900906 - MATSUSHITA ELECTRIC WORKS LTD
- [A] US 5420440 A 19950530 - KETLER ALBERT E [US], et al

Cited by

CN115410332A; EP2320399A1; EP2104078A3; EP2189956A1; EP2330577A1; EP3113133A3; DE102021214813A1; EP2104079A1; EP3073458A1; EP4358053A1; DE202011108935U1; EP2605225A1; DE102008014991B3; EP2348495A1; EP2492882A1; EP4246483A1; WO2023174641A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1857989 A1 20071121**; **EP 1857989 B1 20090701**; **EP 1857989 B2 20121024**; AT E435476 T1 20090715; DE 102006023048 A1 20071129; DE 102006023048 B4 20080529; DE 102006023048 C5 20141211; DE 502007000965 D1 20090813; DK 1857989 T3 20091005; DK 1857989 T4 20130128

DOCDB simple family (application)

**EP 07004736 A 20070308**; AT 07004736 T 20070308; DE 102006023048 A 20060517; DE 502007000965 T 20070308; DK 07004736 T 20070308