

Title (en)

DEVICE AND METHOD FOR DETECTING FIRE SOURCES OR GAS IMPURITIES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM DETEKTIEREN VON BRANDHERDEN ODER GASVERUNREINIGUNGEN

Title (fr)

DISPOSITIF ET PROCEDE DE DETECTION DE FOYERS D'INCENDIE OU D'IMPURETES DANS UN GAZ

Publication

**EP 1397789 A2 20040317 (DE)**

Application

**EP 02747322 A 20020524**

Priority

- DE 10125687 A 20010525
- EP 0205734 W 20020524

Abstract (en)

[origin: WO02095703A2] The invention relates to a device for detecting and locating fire sources or gas impurities in one or several monitoring chambers. Said device comprises a (main) detector for detecting a fire characteristic value or a gas impurity, into which a part of the ambient air in said monitoring chambers is continuously injected by means of an intake unit through a line, arranged in each monitoring chamber and provided with intake ports. Said invention also relates to a method for individually detecting fire sources or gas impurities. The aim of the invention is to provide a device and a method, which combine, in a simple and economic manner, the advantages of gas inlet systems, such as an active intake and a concealed assembly, with the advantage of the localization of each intake port as well as the detection of a precise fire source or a precise gas impurity. To this end, said device is provided with a sub-detector, arranged on or in the area of at least one intake port per monitoring chamber, for detecting a fire characteristic value or a gas impurity, said sub-detector being switched on by a switch-on signal transmitted by a controller according to a detection signal delivered by said main detector and said method may be implemented using said device.

IPC 1-7

**G08B 17/00**

IPC 8 full level

**G08B 17/10** (2006.01)

CPC (source: EP US)

**G08B 17/10** (2013.01 - EP US); **G08B 17/113** (2013.01 - EP US)

Citation (search report)

See references of WO 02095703A2

Cited by

EP3955226A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02095703 A2 20021128; WO 02095703 A3 20030320**; AT E378660 T1 20071115; CA 2447756 A1 20021128; CA 2447756 C 20141209; CN 1331101 C 20070808; CN 1514990 A 20040721; DE 10125687 A1 20021219; DE 10125687 B4 20050616; DE 50211210 D1 20071227; EP 1397789 A2 20040317; EP 1397789 B1 20071114; US 2004145484 A1 20040729; US 6985081 B2 20060110

DOCDB simple family (application)

**EP 0205734 W 20020524**; AT 02747322 T 20020524; CA 2447756 A 20020524; CN 02810595 A 20020524; DE 10125687 A 20010525; DE 50211210 T 20020524; EP 02747322 A 20020524; US 47837503 A 20031121