

Title (en)

APPARATUS FOR MONITORING ATMOSPHERIC CHARACTERISTICS AND DETECTING FIRES

Title (de)

VORRICHTUNG ZUR ÜBERWACHUNG VON ATMOSPHERISCHEN EIGENSCHAFTEN UND ZUR DETEKTION VON BRÄNDEN

Title (fr)

APPAREIL PERMETTANT DE SURVEILLER LES CARACTÉRISTIQUES ATMOSPHÉRIQUES ET DE DÉTECTER DES INCENDIES

Publication

EP 3404633 B1 20231101 (EN)

Application

EP 18172793 A 20180517

Priority

IT 201700053602 A 20170517

Abstract (en)

[origin: EP3404633A1] An apparatus for monitoring atmospheric characteristics and detecting fires, including an electronic unit provided with a means for detecting the presence of smoke in an environment to be protected, a means for detecting the quantity of carbon monoxide, and a means for detecting the temperature. The particularity of the apparatus resides in that the electronic unit furthermore includes a partial or complete combination of means for detecting the quantity of oxygen, means for detecting the relative humidity, means for detecting the differential pressure, means for detecting the carbon dioxide and means for detecting the quantity of volatile organic compounds (VOCs) present in the environment; the electronic unit, with all the related detection means, is operatively connectable to a remote central control unit and can be supplied by means of a power source.

IPC 8 full level

G08B 29/16 (2006.01); **G08B 17/10** (2006.01); **G08B 19/00** (2006.01)

CPC (source: EP)

G08B 17/10 (2013.01); **G08B 19/00** (2013.01); **G08B 29/16** (2013.01); **G08B 29/188** (2013.01); **G08B 17/117** (2013.01)

Citation (examination)

- US 5731510 A 19980324 - JONES BARBARA L [GB], et al
- RAY A ET AL: "An introduction to sensor signal validation in redundant measurement systems", IEEE CONTROL SYSTEMS, IEEE, USA, vol. 11, no. 2, 1 February 1991 (1991-02-01), pages 44 - 49, XP011418279, ISSN: 1066-033X, DOI: 10.1109/37.67675

Cited by

EP3886067A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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