

Title (en)

Device and installation for the instantaneous detection of one or more physical phenomena having a risk character.

Title (de)

Einrichtung und Anlage zur augenblicklichen Detektierung von einem oder mehreren physischen Phänomenen mit gefährlichem Charakter.

Title (fr)

Dispositif et installation de détection instantanée d'un ou plusieurs phénomènes physiques ayant un caractère de risque.

Publication

**EP 0189717 A1 19860806 (FR)**

Application

**EP 85402636 A 19851226**

Priority

FR 8419872 A 19841227

Abstract (en)

[origin: ES8704021A1] A device and installation are provided for the instantaneous and simultaneous detection, inside and outside, of radiations emitted in the infrared, visible and ultraviolet spectra by simultaneous physical phenomena having a character of risk, such as intrusion, fire, explosion, leaks of dangerous fluids and electric leaks, disturbances and absence of movement of a regular periodic phenomenon, said radiations being emitted, directly by the phenomena to be monitored at the time when the risk appears or being caused artificially by directing over an appropriate field of view, in which take place said phenomena, a source of radiation comprised in the infrared, visible and ultraviolet, and adapted to the nature of the phenomena involved, said field of view covered by the detection device having appropriate horizontal and vertical dimensions comprising at least one spectral correction filter known pass band chosen as a function of the nature of the radiation, a linear or circular polarization filter, a micropism array, and an image booster. An installation utilizing at least one detection device is disclosed, where the detection device cooperates with at least one video data processing unit, at least one video monitor, each associated to a detection device, a time delay unit, a cyclic switch, a video tape recorder and a television telephone transmitter.

Abstract (fr)

La présente invention est relative à une installation de détection instantanée d'un ou plusieurs phénomènes physiques. Le dispositif se caractérise en ce qu'il est constitué par une caméra de télévision équipée de: au moins un filtre de correction spectrale (1a, 1b) à bande passante connue choisie en fonction de la nature du rayonnement, un filtre (2) de polarisation linéaire ou circulaire, un réseau de microprismes (3), un intensificateur d'image (5). Application à la détection de phénomènes physiques ayant un caractère de risque et notamment détection d'incendie.

IPC 1-7

**G08B 13/18**

IPC 8 full level

**H04N 7/18** (2006.01); **G08B 13/196** (2006.01); **G08B 19/00** (2006.01); **G08B 21/00** (2006.01)

CPC (source: EP US)

**G08B 13/196** (2013.01 - EP US); **G08B 17/125** (2013.01 - EP US); **G08B 19/00** (2013.01 - EP US)

Citation (search report)

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- [A] US 4437111 A 19840313 - INAI TAKAYOSHI [JP], et al
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- [A] FUNKSCHAU, no. 11, mai 1982, pages 53-56, Munich, DE; G. WILHELM et al.: "Videotechnik in Sicherheitsanlagen"

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0189717 A1 19860806**; DK 596185 A 19860628; DK 596185 D0 19851220; ES 550511 A0 19870301; ES 8704021 A1 19870301; FR 2575572 A1 19860704; FR 2575572 B1 19871030; JP S61222391 A 19861002; NO 855262 L 19860630; US 4775853 A 19881004

DOCDB simple family (application)

**EP 85402636 A 19851226**; DK 596185 A 19851220; ES 550511 A 19851227; FR 8419872 A 19841227; JP 29977985 A 19851226; NO 855262 A 19851223; US 81396485 A 19851227