

Title (en)

Method for fire prevention and/or detection, and monitoring system and computer product thereof

Title (de)

Verfahren zur Verhütung und/oder Feststellung von Bränden, Überwachungssystem und Computerprogramm dafür

Title (fr)

Procédé pour la détection et la prévention d'incendies, système de surveillance et produit informatique correspondant

Publication

EP 2264677 A1 20101222 (EN)

Application

EP 10165726 A 20100611

Priority

IT TO20090459 A 20090617

Abstract (en)

The present invention relates to a method for fire prevention and/or detection through a monitoring system (1) comprising: - a plurality of video cameras (10); - environmental detection means (20) for detecting some parameters relating to the area to be monitored; - a control unit (30) adapted to receive and analyse the data coming from said plurality of video cameras (10) and from said environmental detection means (20). The invention is characterized in that said control unit (30) implements the following steps: a) it controls the traverse for positioning said plurality of video cameras (10), said plurality of video cameras (10) comprising at least a first video camera (11) operating within the near infrared range (NIR), at least a second video camera (12) operating within the thermal infrared range (FIR), and at least a third video camera (13) operating within the ultraviolet range (UV), b) it selects the best performing video camera (11, 12, 13) among said plurality of video cameras (10) on the basis of a entropy value of an image obtained by each video camera (11, 12, 13) and as a function of the data detected by said detection means (20).

IPC 8 full level

G08B 17/12 (2006.01)

CPC (source: EP)

G08B 17/125 (2013.01)

Citation (search report)

- [A] US 2007000317 A1 20070104 - BERTI UMBERTO [IT]
- [A] US 5959589 A 19990928 - SADOVNIK LEV S [US], et al

Cited by

CN108986379A; CN108961647A; CN108806165A; CN110097732A; CN103903020A; CN112013250A; WO2015092693A1; US9990825B2; US9990824B2; US10497243B2; US10573145B2; US11257341B2

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2264677 A1 20101222; EP 2264677 B1 20120530; IT 1394450 B1 20120615; IT TO20090459 A1 20101218

DOCDB simple family (application)

EP 10165726 A 20100611; IT TO20090459 A 20090617