

Title (en)

METHOD AND DEVICE FOR DETECTING FIRES BASED ON IMAGE ANALYSIS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ERKENNUNG VON FASERN AUF DER GRUNDLAGE VON BILDANALYSE

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE FEUX BASE SUR L'ANALYSE D'IMAGES

Publication

**EP 1364351 A1 20031126 (FR)**

Application

**EP 02711747 A 20020226**

Priority

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- CH 3402001 A 20010226

Abstract (en)

[origin: US6937743B2] Method for automatically detecting fires, based on flame and/or smoke recognition by analyzing a sequence of images. The analysis is based on several image processing algorithms. One algorithm consists in comparing the frequency content of at least an image of said sequence with the frequency content of a reference image so as to detect an attenuation of high frequencies independently of variations on other portions of the spectrum.

IPC 1-7

**G08B 17/12**; **G08B 13/194**

IPC 8 full level

**G08B 13/194** (2006.01); **G08B 17/12** (2006.01)

CPC (source: EP US)

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