

Title (en)

Method and device for detecting changes in a video image

Title (de)

Verfahren und Vorrichtung zum Erkennen von Veränderungen im Bildinhalt eines Videobildes

Title (fr)

Procédé et dispositif pour détecter des changements dans une image vidéo

Publication

EP 0543148 B1 19960327 (DE)

Application

EP 92117686 A 19921016

Priority

DE 4138254 A 19911121

Abstract (en)

[origin: EP0543148A1] Such methods and arrangements are used in video surveillance systems which monitor a certain area for changes. It is the object of the invention to specify a video control system providing reliable suppression of false alarms and, at the same time, reliable detection of alarm-relevant changes. This is achieved by the fact that in a currently recorded video image which is divided into a multiplicity of fields and in which a brightness value is integrally determined for each field, the quotient of this brightness value and the brightness value of the corresponding field from a preceding image is formed. When an alarm-relevant change is not present, the quotient is approximately equal in all fields whilst the quotient deviates from the other ones in the case of alarm-relevant changes in the relevant fields. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

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