Title (en)

PROCESS AND CIRCUIT FOR EVALUATION OF STATIONARY TELEVISION PICTURES CONSISTING OF LINES AND FRAMES USED FOR DETECTING A BRIGHTNESS VARIATION CANSED BY A MOVING OBJECT

Publication

EP 0017821 B1 19840111 (DE)

Application

EP 80101616 A 19800326

Priority

HU HI000512 A 19790417

Abstract (en)

[origin: EP0017821A1] 1. Method for evaluating of stationary TV pictures consisting of lines and half-pictures in order to detect a change in the intensity of light on the movement of an object, wherein the video-signal (Vin) is within an A/D-transmitter (7) digitalized and intermediately stored and a mask signal synchronized to the video-signal is provided, which signal is scanning the TV picture of the TV camera on horizontal and vertical stripes for the provision of defined windows of the picture, wherein the digital video-signals are logically connected to the mask signal and are stored in a store (8) and the content of the store is for evaluation compared within a comparator (9) with a momentary value, characterized in that the picture windows are scanned in half-pictures following timely to one another within vertical stripes corresponding to the vertical decomposition of the horizontal stripes, that by means of the A/D-transmitters (7) for the picture windows within the single vertical stripes digitalized video average values following to one another are provided in the direction of the deflection of the picture, that the digitalized average video values are stored in the store (8) and are delivered to the comparator (9) and that within the comparator the momentary digital average value is compared with the preceeding stored digital average value and is as the case may be indicated as a difference, if the level of the differential value is exceeding an evaluation threshold defined within the comparator (9).

IPC 1-7

G08B 13/18; H04N 5/14

IPC 8 full level

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CPC (source: EP)

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Cited by

EP0493718A3; EP0805426A3; DE3543515A1; GB2147766A; FR2484754A1; EP0296011A1; FR2616251A1; FR2563676A1; WO8809978A1

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