ABSTRACT

PHOTOARRAY FOR DETECTING TIME-DEPENDENT IMAGE DATA

The photoarray comprises a one- or two- dimensional array of cells (10), where each cell (10) has a photosensor (D, T1 - T4) generating a sensor signal dependent on a light intensity at the cell (10), a first capacitor (C1) being charged by the time-derivative of the current, at least one threshold detector (T9 - T11; T12 - T14) detecting if the voltage over the first capacitor (C1) exceeds a threshold value and generating an output signal if yes, and a discharge device (T7) for discharging the first capacitor after occurrence of said output signal. Such a cell is generates an event only when the incoming light intensity changes, which reduces the amount of data to be processed from the photoarray.

Fig. 1

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