

Title (en)
LOW CONSUMPTION MATRIX SENSOR

Title (de)
MATRIXSENSOR MIT GERINGEM VERBRAUCH

Title (fr)
CAPTEUR MATRICIEL A FAIBLE CONSOMMATION

Publication
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Application
EP 10710668 A 20100310

Priority
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Abstract (en)
[origin: WO2010103464A1] The present invention relates to an image matrix sensor comprising a plurality of individual detection structures (1ij) associated with respective pixels, each individual detection structure (1ij) comprising: a photodiode (3ij) having at least one solar cell mode operating range; a first amplifier stage (4ij) constantly supplied with power and receiving, as an input, a voltage dependent on the voltage of the photodiode (3ij) which falls within said range; and a second amplifier stage (5ij) linked to the output of the first amplifier stage (4ij) and supplied with power in a different manner according to whether or not the first amplifier stage is read.

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IPC 8 full level
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