

Title (en)

IMAGE-SENSOR ARCHITECTURE FOR PER-PIXEL CHARGE-INTEGRATION CONTROL

Title (de)

ARCHITEKTUR EINES BILDSSENSORS ZUR KONTROLLE VON LADUNGSINTEGRATION PRO PIXEL

Title (fr)

ARCHITECTURE DE CAPTEUR D'IMAGE ASSURANT LA COMMANDE D'INTEGRATION DE CHARGE PAR PIXEL

Publication

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Application

EP 00949865 A 20000724

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Abstract (en)

[origin: WO0110110A2] A sensor array that produces a captured image at the end of a time frame. The array includes a plurality of unit cells which sense the image with multiple within-frame charge-integrations, and control means which separately controls each of the unit cells. The unit cells are programmable multiple charge-integration unit cells with modes of photocurrent integration and non-integration. The control means includes means for separately controlling multiple charge-integrations in a single frame capture of each unit cell, independently of the charge-integrations of the other unit cells.

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