

Title (en)

CCD SENSOR AND METHOD FOR EXPANDING DYNAMIC RANGE OF CCD SENSOR

Title (de)

CCD-SENSOR UND VERFAHREN ZUM ERWEITERN DES DYNAMIKUMFANGS EINES CCD-SENSORS

Title (fr)

CAPTEUR CCD ET MÉTHODE POUR AUGMENTER LA PLAGE DYNAMIQUE D UN CAPTEUR CCD

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Application

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Abstract (en)

[origin: WO2006108928A1] The present relates to a read-out arrangement for reading a CCD-sensor (1-1), said CCD-sensor (1-1) comprising a detector (1-2) which has an active area comprising pixels that receive charges; a read-out register (1-4) in functional connection with the aforesaid active area; means for transferring charges from the active area into the read-out register (1-4); means for transferring charges to the output (1-4a, 1-4b) of the read-out register (1-4); at least one read-out well (1-6, 1-8) functionally connected with the read-out register (1-4); and means for transferring charges from the output (1-4a, 1-4b) of read-out register (1-4) into at least one read-out well (1-6, 1-8). The invention is characterized in that the arrangement additionally comprises means for changing the dynamics by changing the binning of charges at least partly in response to a control signal.

IPC 8 full level

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