

Title (en)

COMBINED IMAGING ARRAY AND STRIP AND PIXEL NOISE CANCELLATION SYSTEM

Title (de)

KOMBINIERTES BILDGEBUNGSARRAY UND STREIFEN- UND PIXELRAUSCHUNTERDRÜCKUNGSSYSTEM

Title (fr)

MATRICE ET BANDE D'IMAGERIE ET SYSTÈME DE SUPPRESSION DE BRUIT DE PIXEL COMBINÉS

Publication

EP 4349004 A1 20240410 (EN)

Application

EP 22812317 A 20220527

Priority

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- US 202117334681 A 20210528
- US 2022031465 W 20220527

Abstract (en)

[origin: WO2022251716A1] Some system embodiments comprise a plurality of: pixels; data lines coupled to the pixels; switches coupling the pixels to the data lines; readout circuits coupled to the data lines. The system also comprises control logic coupled to the readout circuits, the control logic configured to, for one of the pixels: acquire a first value for the pixel while the corresponding switch is in an off state; reset the corresponding readout circuit corresponding for the pixel; acquire a second value for the pixel after resetting the readout circuit; turn on the corresponding switch; acquire a third value for the pixel after turning on the corresponding switch; and combine the values into a combined pixel value. Some system embodiments comprise: a housing; an imaging array in the housing; an imaging strip in the housing; a first readout circuit coupled to the imaging array; a second readout circuit coupled to the imaging strip; and common electronics coupled to the first and second readout circuits and configured to generate image data in response to at least one of the first and second readout circuits.

IPC 8 full level

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