

Docket #: S99-060

CMOS Image Sensor with Self Reset Pixel Architecture

Applications

- Digital imaging systems such as digital cameras

Advantages

- Sensor will work even as CMOS scales downward below 0.25 μm
- Much improved image quality due to extended dynamic range and better SNR

Publications

- X.Q. Liu, CMOS Image Sensors Dynamic Range and SNR Enhancement via Statistical Signal Processing , Ph.D Thesis, Stanford University, CA, 2002.

Patents

- Published Application: [20030058360](#)

Innovators

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