

Docket #: S01-132

Integrated Color Pixel (ICP)

Applications

- Image sensors
- Image sensing in visible- and infrared-range signals
- Color filters
- Semiconductor manufacturing

Advantages

- Requires no additional color filter processing steps or thin films
- Prevents diffraction and color cross-talk effects
- Reduces overall height of pixel

Publications

- P. Catrysse and B. Wandell and A. El Gamal, An integrated color pixel in 0.18um CMOS technology, In 2001 IEDM Technical Digest, Pages 24.4.1-24.4.4.

Patents

- Published Application: [20030103150](#)
- Issued: [7,248,297 \(USA\)](#)

Innovators

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