

COLOR FILTER-EMBEDDED MSM IMAGE SENSOR

ABSTRACT

An image sensor device includes a semiconductor substrate having a light-sensing region, and a first and second electrode embedded within the substrate. The first and second electrode forms an array of slits, the array of slits is configured to allow a wavelength of light to pass through to the light-sensing region. A method for making an image sensor device includes providing a semiconductor substrate, forming a plurality of pixels on the semiconductor substrate, and forming a plurality of slits embedded within each of the plurality of pixels. The plurality of slits is configured to allow a wavelength of light to pass through to each of the plurality of pixels.

(FIG. 1)