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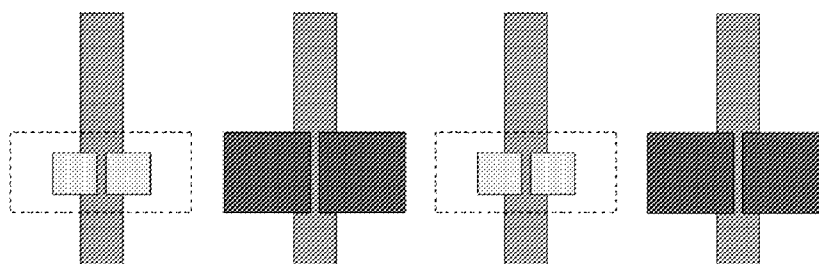
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(54) **Title:** APPARATUS AND METHOD FOR POLARIZATION DIVERSITY IMAGING AND ALIGNMENT

- (1) Polysilicon Gate
(2) p-Channel Source/Drain Diffusion
(3) n-Channel Source/Drain Diffusion
(4) n-Well



(57) **Abstract:** A method of obtaining two orthogonally polarized super-resolution images is provided. A first diffraction-limited image is obtained using horizontally polarized light; a second diffraction-limited image is obtained using vertically polarized light; and, the first and second images are processed so as to yield a convoluted image having super diffraction-limited performance in both dimensions. Enhanced alignment of CAD image to acquired image is facilitated using the horizontally and vertically polarized images.