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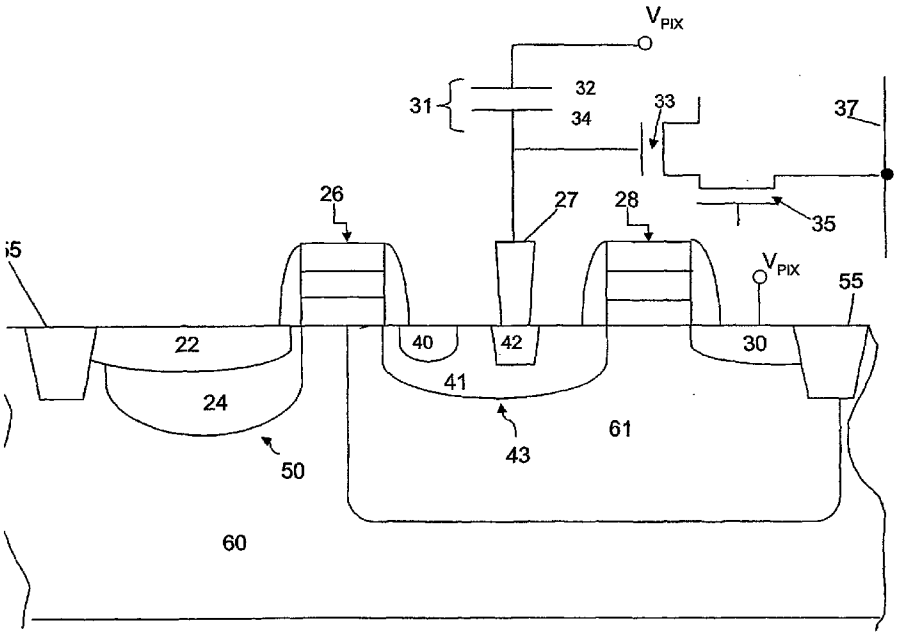
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(54) Title: IMAGE SENSOR HAVING PINNED FLOATING DIFFUSION DIODE




(57) Abstract: The present invention provides an image sensor having a pinned floating diffusion region in addition to a pinned photodiode. The pinned floating diffusion region increases the capacity of the sensor to store charge, increases the dynamic range of the sensor and widens intra-scene intensity variation.

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