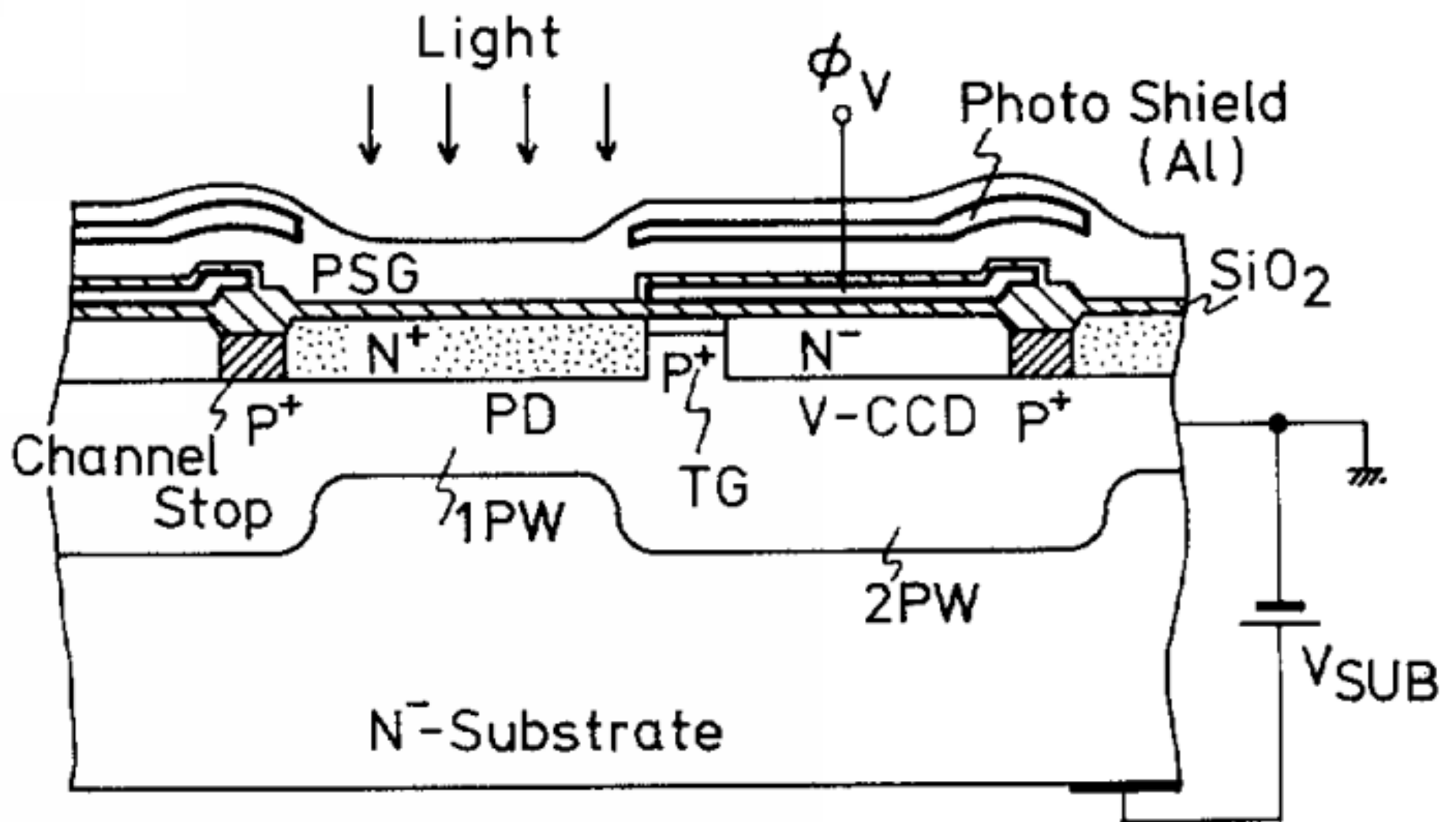


INTEGRATION INTO THE THIRD DIMENSION

ISSCC 1982



Interline CCD Image Sensor with an Anti Blooming Structure

PROBABLY THE FINAL boost really needed for CCDs to become a consumer product was the vertical anti-blooming structure. The anti-blooming structure takes care of the drainage of excess electrons generated at overexposures. A remarkable feature of this structure is the location of the anti-blooming drain, that is in the third dimension or in vertical direction underneath the photodiodes. Vertical anti-blooming is still very popular and is used in every consumer CCD image sensor on the market today.