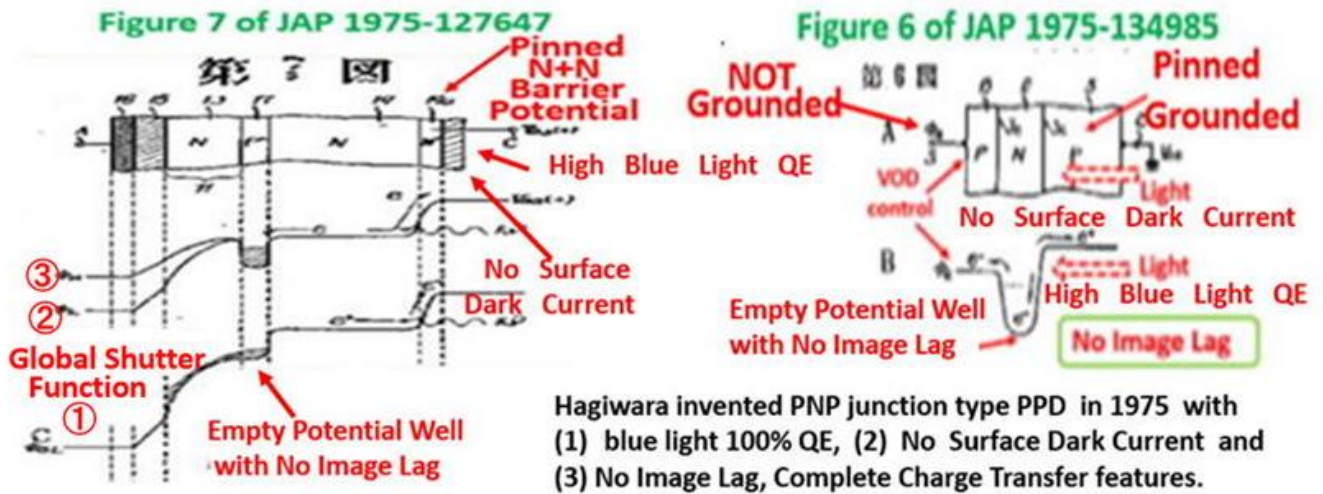


# No Image Lag Feature

<http://www.aiplab.com/>  
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The pinned photodiode originally invented in 1975 by Hagiwara have three important features.

They are,

Firstly, the excellent blue light sensitivity,

Secondly, the low surface dark current by the Pinned surface potential,

And thirdly the image lag free feature.

The empty potential wells

with the completely majority carrier depleted depletion region,

shown in these figures are

the evidence that the Pinned Photodiode free of the image lag problem

was originally invented by Hagiwara at Sony in 1975.