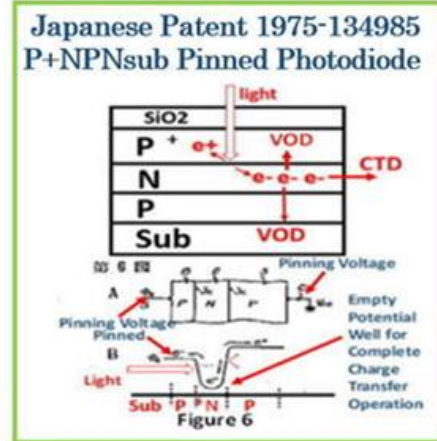
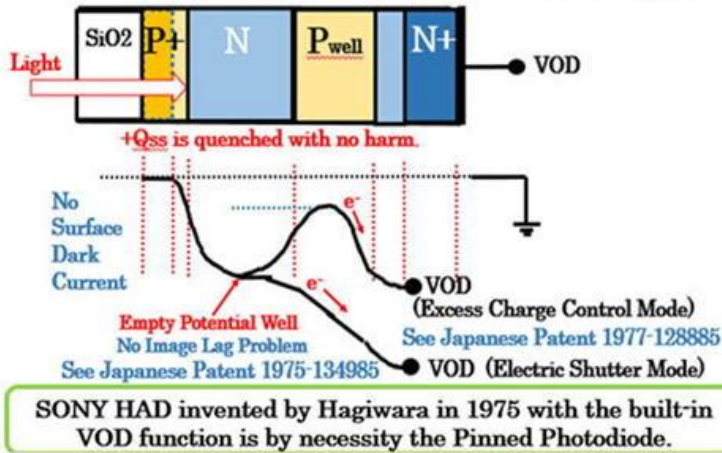


Super Light Sensitivity Feature

<http://www.aiplab.com/>
Yoshiaki Hagiwara

Pinned Photodiode with Vertical Overflow Drain (VOD)

See Japanese Patent 1975-134985, 1975-127647 and 1975-197646



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Slide11

This slide shows the conventional P+NPN junction type,

The triple junction type dynamic photo thyristor type Pinned Photodiode

with the vertical overflow drain VOD function,

which is also called as Sony Hole Accumulation Diode,

which is also Hagiwara 1975 invention.

See also the Japanese Patent Application JPA1977-128885.

(Now finally disclosed now in the English Speaking Community. Sorry too late..)