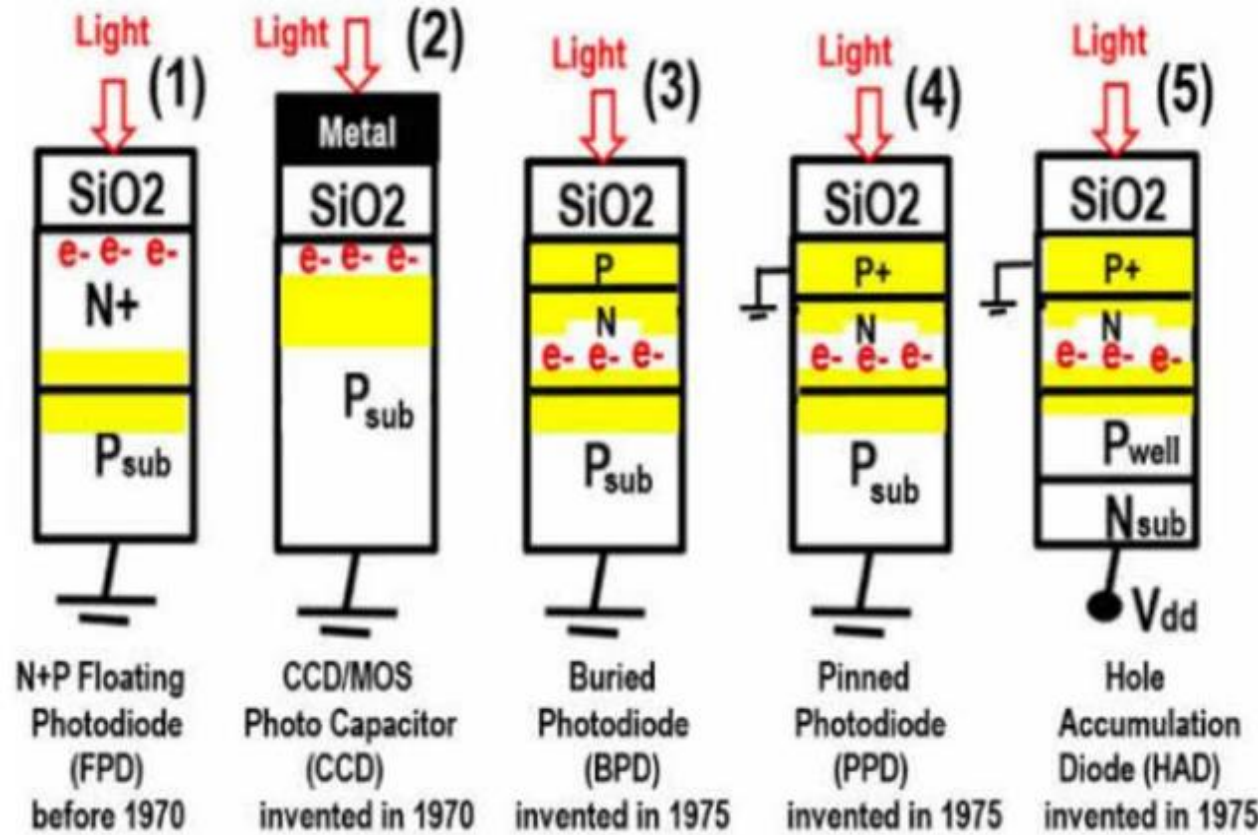
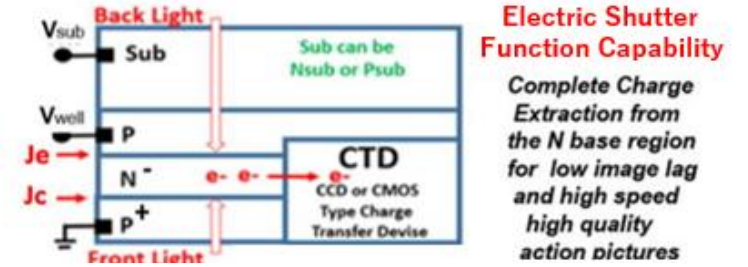
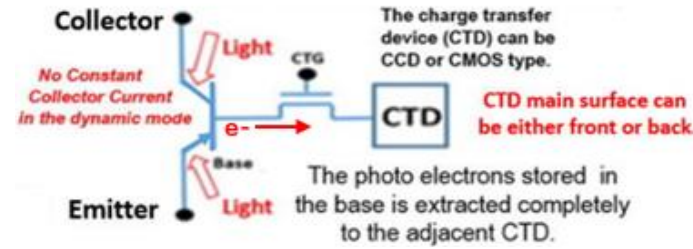
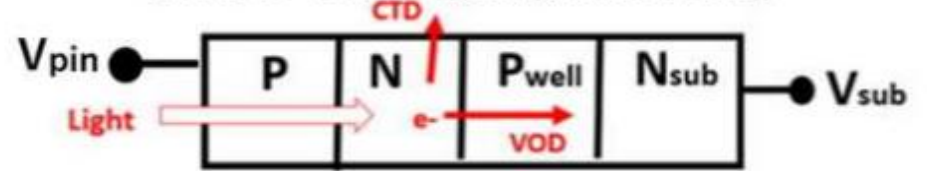


# Invention and Historical Development Efforts of Pinned Buried Photodiode.

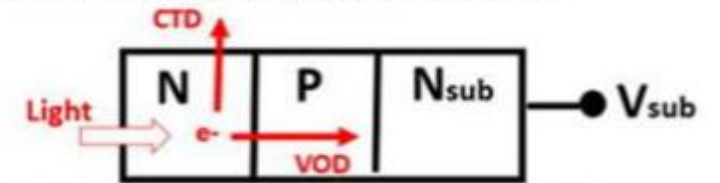
## (3) P+NP Double Junction Dynamic Photo Transistor type Pinned Buried Photodiode



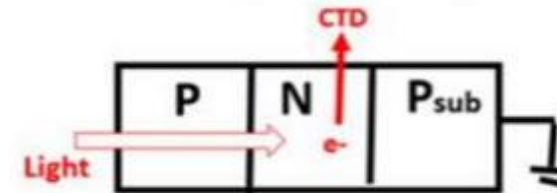
(5) Triple Junction Pinned Photodiode on Substrate  
JPA1975-134985 by Hagiwara at Sony



(5a) Floating Surface Double Junction Photodiode  
JPA1978-1971 by Yamada at Toshiba



(5b) Floating Surface Double Junction Photodiode  
JPA1978-1971 by Teranishi et al at NEC



Historical Developments of Five types of Basic Photo Sensors Structures.