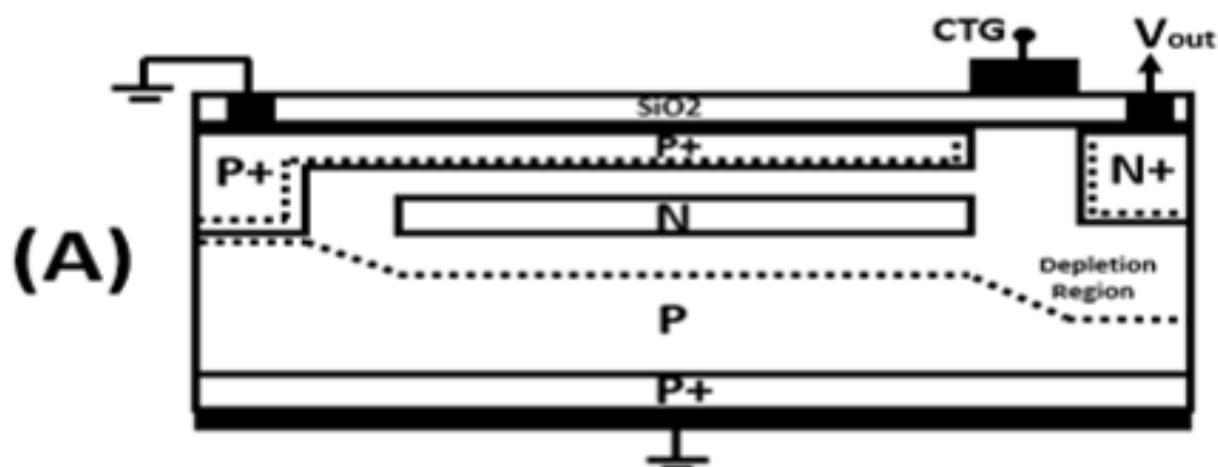
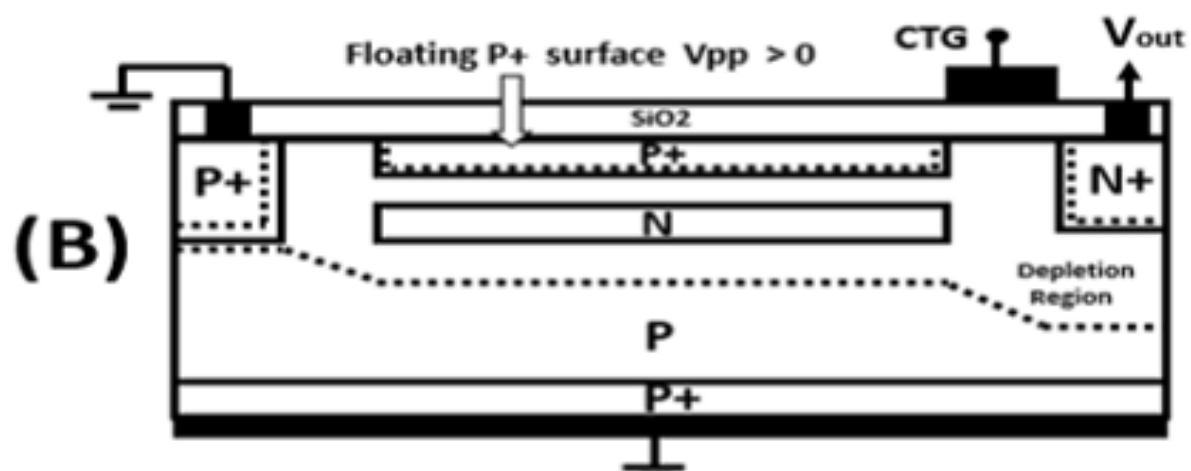


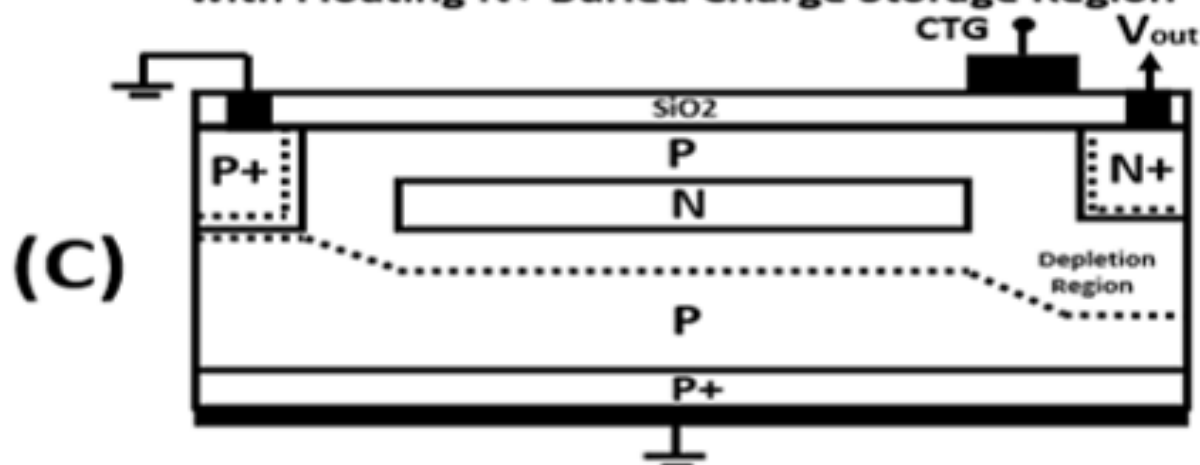
Difference of Buried Photodiode and Pinned Photodiode



(A) Pinned Surface Hole Accumulation Region, directly connected with the adjacent P+ heavily doped channel stops



(B) Floating Surface P+ Hole Accumulation ($V_{pp} > 0$) with Floating N+ Buried Charge Storage Region



(C) Floating Surface Buried Photodiode with Floating N+ Buried Charge Storage Region

All of (A), (B) and (C) types are Buried Photodiode Diodes.
But the (B) and (C) type are not Pinned Photodiode.
Only (A) type is Pinned Photodiode.