

I. INTRODUCTION

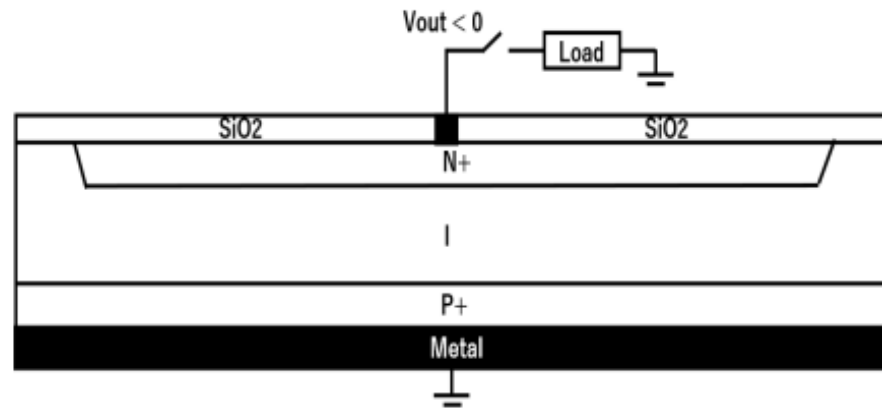


Fig. 1 Single junction PIN photodiode type Solar Cell (Nishizawa 1950)

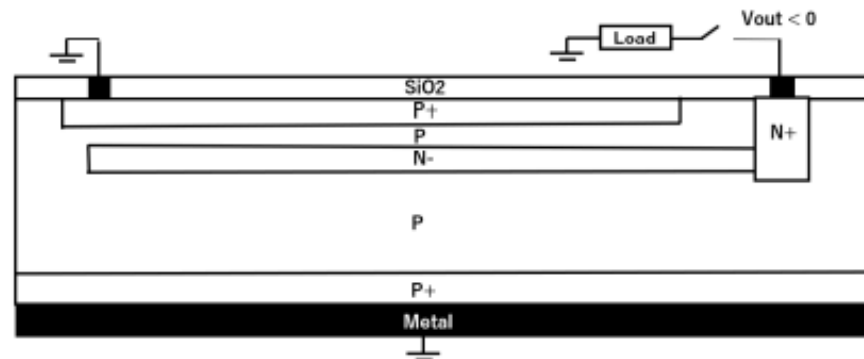


Fig. 2 Double Junction Pinned Photodiode type Solar Cell (Hagiwara.2020)

In this paper three types of photo sensor structures are explained in details. Fig.1 shows the single junction type PIN Photodiode type Solar Cell invented by Jun-Ichi Nishizawa [1].

Fig.2 shows the double junction type Pinned Buried Photodiode type Solar Cell [2] proposed by Yoshiaki Hagiwara in 2020.

[1] <https://mainichi.jp/english/articles/20181026/p2a/00m/0na/036000c>

[2] http://www.aiplab.com/JPA_2020_131313_on_PPD_Solar_Cell.html