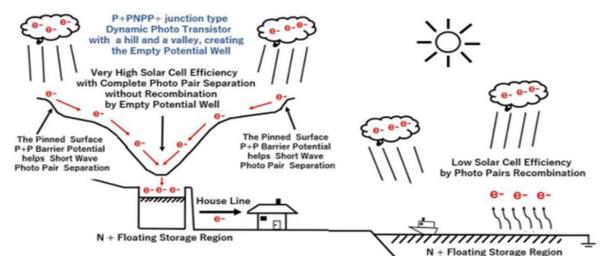
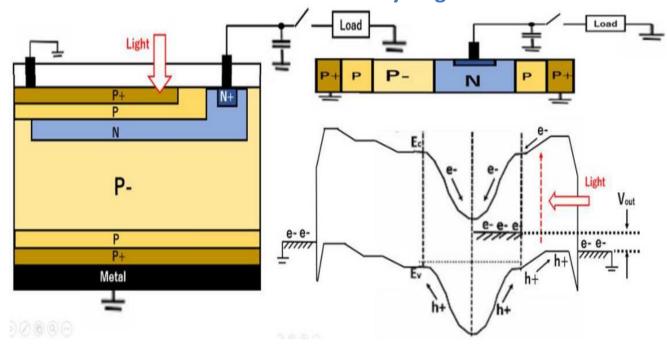
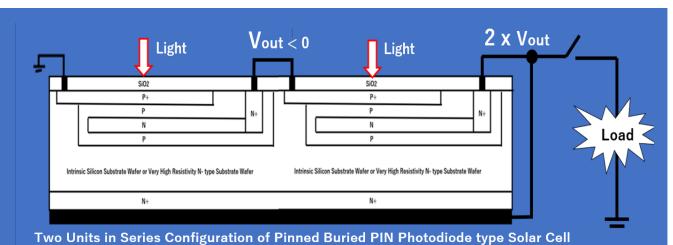
(2) Pinned Surface P+PNPP+ Double Junction Solar Cell

'1` Floating Surface N+P Single Junction Solar Cell



JPA2020-131313 invented by Hagiwara





Pinned Buried P+PNIP+ Photodiode Structure type Solar Cell JPA2020-131313 invented by Hagiwara

(1) PIN Diode

Jun-Ichi Nishizawa , 1950

(2) Pinned
Buried
Photodiode
Photodiode
JPA2020-131313 by Hagiwara

(3) Pinned

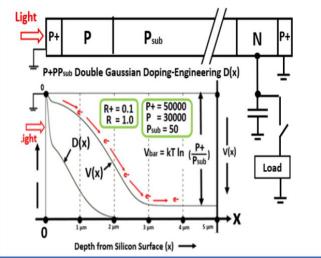
PIN

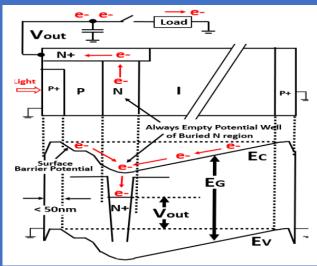
Buried

Photodiode

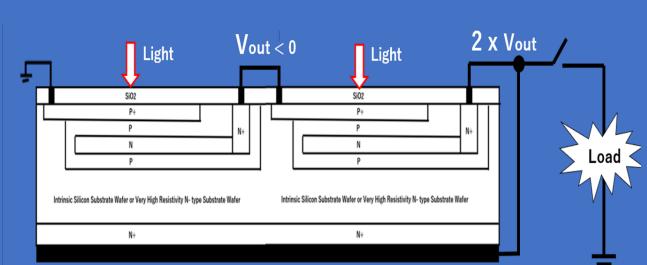
Yoshiaki Hagiwara, 2021

Exact Numerical Computation of Pinned Surface P+P Barrier Potential

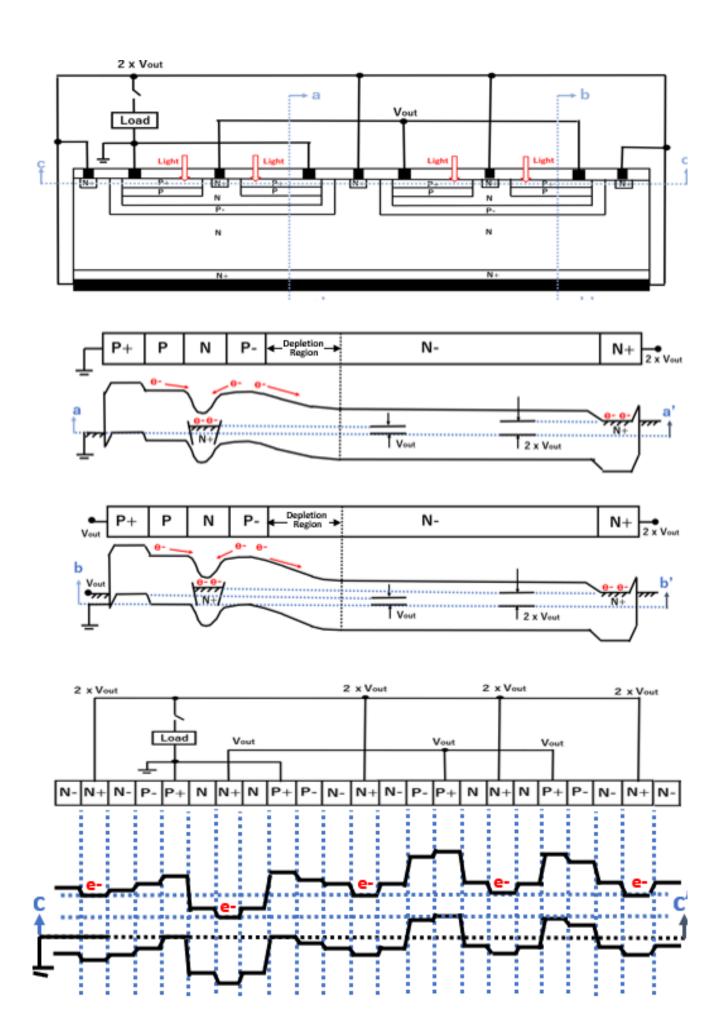


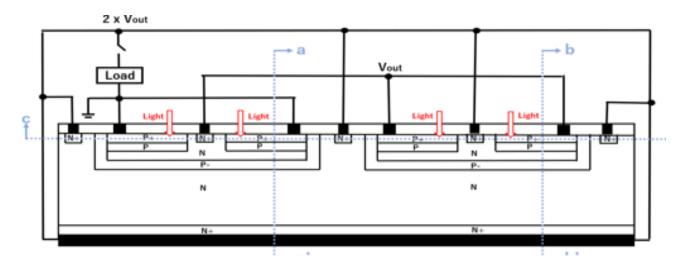


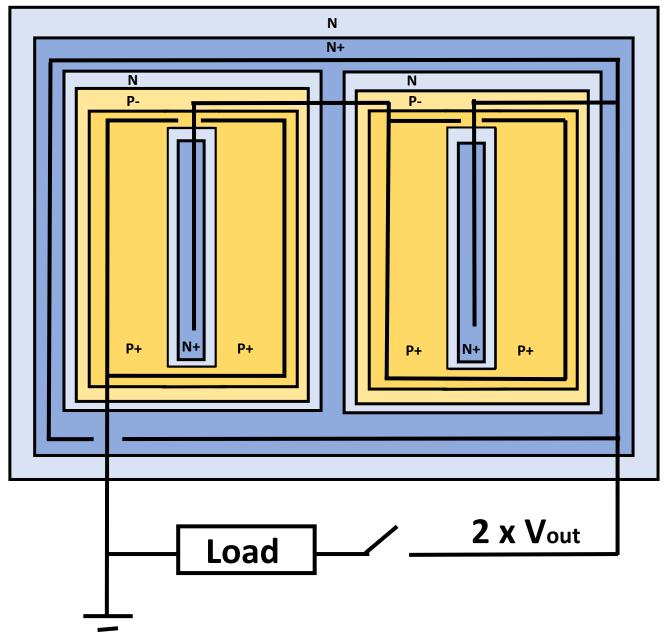
Band Diagram of Pinned Buried PIN
Photodiode type Solar Cell

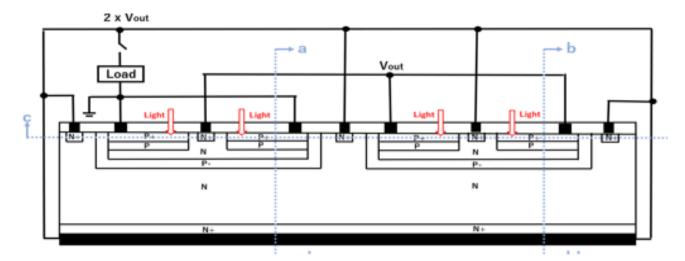


Two Units in Series Configuration of Pinned Buried PIN Photodiode type Solar Cell

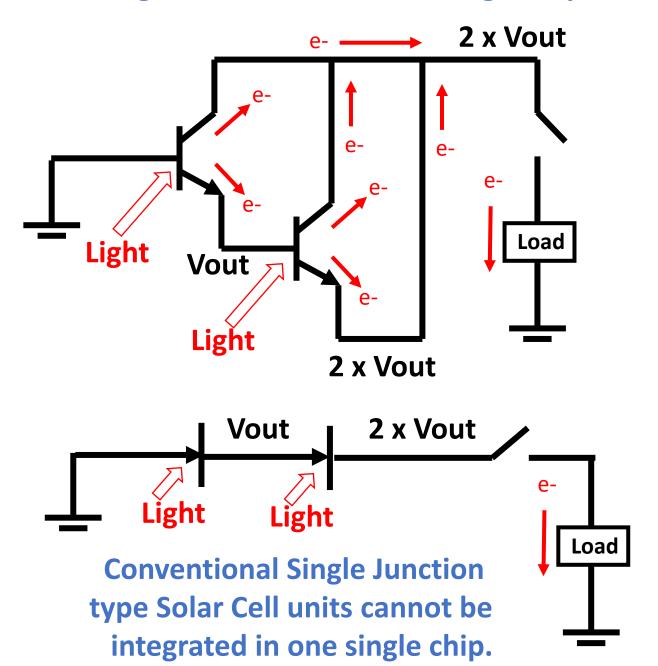








Double Junction type Solar Cell units can be integrated in series in one single chip.







(CERTIFICATE OF PATENT)

特許第6818208号 (PATENT NUMBER)

発明の名称 (TITLE OF THE INVENTION)

光電変換半導体装置

特許権者 (PATENTEE)

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発明者 (INVENTOR)

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出願番号 (APPLICATION NUMBER)

出願日 (FILING DATE)

登録日 (REGISTRATION DATE) 特願2020-131313

令和 2年 8月 1日(August 1, 2020)

3年 1月 5日(January 5, 2021) 令和

この発明は、特許するものと確定し、特許原簿に登録されたことを証する。 (THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE JAPAN PATENT OFFICE.)

3年 1月 5日(January 5, 2021)

特許庁長官 (COMMISSIONER, JAPAN PATENT OFFICE)



