PHOTOVOLTAIC DEVICE AND METHOD FOR MANUFACTURING THE SAME

Abstract

It is the gist of the present invention to provide a photovoltaic device in which a single crystal semiconductor layer provided over a substrate having an insulating surface or an insulating substrate is used as a photoelectric conversion layer, and the single crystal semiconductor layer is provided with a so-called SOI structure where the single crystal semiconductor layer is bonded to the substrate with an insulating layer interposed therebetween. As the single crystal semiconductor layer having a function as a photoelectric conversion layer, a single crystal semiconductor layer obtained by separation and transfer of an outer layer portion of a single crystal semiconductor substrate is used.

Figure 1A