

Glass Substrate-Based Laser Anneal Amorphous Silicon Solar Cell Design

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Abstract

This research was to make amorphous silicon solar cell on glass substrate. In order to raise the performance a continuous wave Nd: YAG laser (CW 532nm) was applied to anneal the amorphous thin film of silicon. The ion-implanter was also applied to make p-n junction.

Keyword : Keywords: 非晶矽薄膜太陽電池、離子植入、雷射退火、電漿輔助化學氣相沉積