Method of Making Photovoltaic Device

ABSTRACT OF THE DISCLOSURE

A photovoltaic device and a method for its manufacture. The device essentially comprises a thin film cell layer 14, a contact transfer release sheet 54, and a foil strip interconnect clip 80. The contact transfer release sheet 54 is bonded to the thin film cell layer 14 in vacuum deposition chambers 12 to produce a roll 62 of photovoltaic material. The photovoltaic material is then cut into segments that are referred to as thin film cell stickers 64. The thin film cell stickers have a barrier layer which is removable to expose a ready-to-apply sticker. The stickers 64 are then adhered to a substrate, like glass, and arranged, side by side, in a row 66. Row 66 of stickers 64 is formed into a series or parallel circuit using a conductive foil strip interconnect clip 80. The interconnect clip is used to complete the circuit between adjacent thin film stickers, preferably by crimping the interconnect to adjacent bus bar segments 87 & 91, of adjacent stickers 64.

FIG. 1

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