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(54) **PRESSURE ASSISTED FABRICATION OF SOLAR CELLS AND LIGHT EMITTING DEVICES**

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(57) **ABSTRACT**

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Methods and systems for fabricating photovoltaic devices are provided. A method includes forming a photovoltaic device comprising an active layer with one or more interfacial layers adjacent the active layer, wherein the active layer comprises a photovoltaic material and the one or more interfacial layers comprise a material configured to collect charge carriers generated in the photovoltaic material; applying pressure onto the photovoltaic device to increase an amount of electrical contact between the active layer and the one or more interfacial layer; and annealing the photovoltaic device.

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