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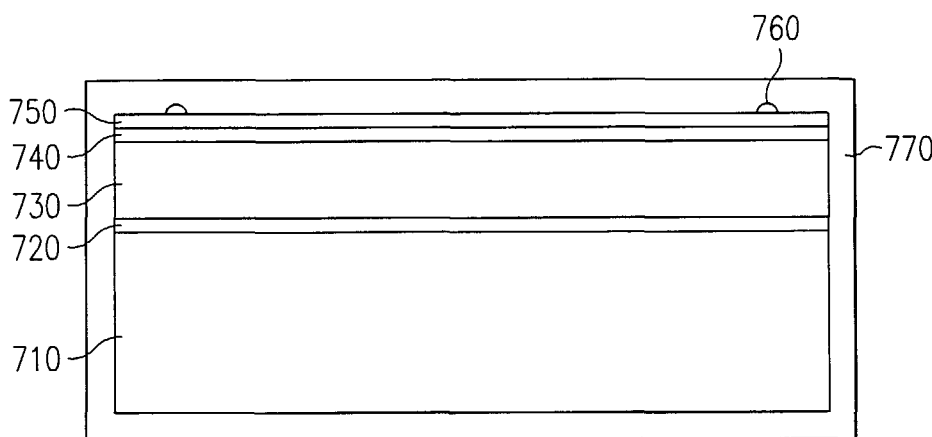
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(54) Title: PHOTOVOLTAIC DEVICES AND COMPOSITIONS FOR USE THEREIN



(57) Abstract: Systems and methods are described for compositions, apparatus and/or electronic devices. A composition, includes a composition layer (730) defining a first surface and a second surface, the composition layer (730) including a collection layer (170, 685) that is located closer to the first surface than to the second surface. An apparatus, includes a semiconductor absorber layer (730) defining a first surface and a second surface; and an electrode layer (720) coupled to the first surface of the semiconductor absorber layer (730) wherein the semiconductor absorber layer (730) includes a collection layer (170, 685) that is located closer to the first surface than to the second surface. A electronic device includes a semiconductor structure (730) for absorbing, the semiconductor structure for absorbing (730) defining a first surface and a second surface; and an electrode structure (720) for conducting coupled to the second surface of the semiconductor structure (730), where the semiconductor structure (730) includes a collection layer (170, 685) that is located closer to the first surface than to the second surface.

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