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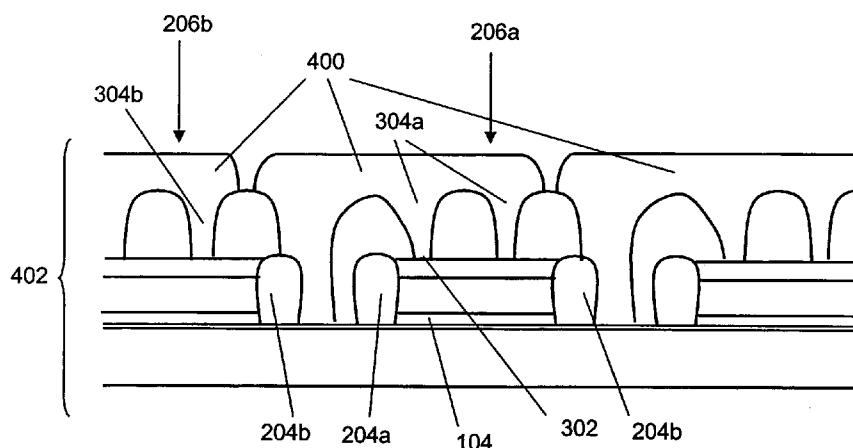
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(57) Abstract: A thin-film solar cell module and a method of interconnecting thin-film solar cells are described. The method comprises forming one or more grooves (200) in a semiconductor thin-film diode structure (202) on a superstrate (102) such that the diode structure is divided into a plurality of discrete solar cells (206), and such that pairs of sidewalls (204) of the respective solar cells have a doping polarity that is the same as that of a superstrate-side semiconductor layer of the diode structure. A non-continuous insulating layer (300) is formed on the diode structure such that one sidewall of each pair of sidewalls is covered by the insulating layer while the other sidewall of each pair and one or more surface contact regions of each solar cell remain exposed. A non-continuous conductive layer (400) is formed on the diode structure such that for each pair of adjacent first and second solar cells (206a, 206b), the exposed sidewall of the first solar cell is electrically connected to the surface contact regions of the second solar cell and remains free from electrical connection to the surface contact regions of the first solar cell.

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