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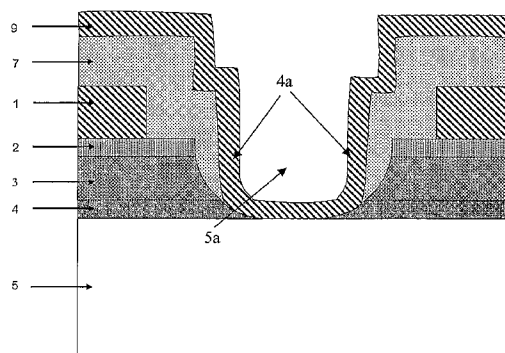
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(54) Title: PHOTOLITHOGRAPHY METHOD FOR CONTACTING THIN-FILM SEMICONDUCTOR STRUCTURES



(57) Abstract: A photolithography method for contacting one or more contact regions of a thin-film semiconductor structure on a transparent supporting material is disclosed. The method comprises the steps of forming one or more openings (6a) in the semiconductor structure (2, 3, 4) to substantially expose respective surface portions (5a) of the supporting material (5) and respective contact regions (4a); covering the surface of the semiconductor structure with a positive photoresist (7); illuminating the semiconductor structure with an exposing light through the supporting material such that first portions of the photoresist covering the substantially exposed surface portions of the supporting material and at least portions of the contact regions respectively are exposed to the exposing light and such that the exposing light is absorbed in the semiconductor structure, leaving one or more second portions of the photoresist covering the semiconductor structure unexposed. Preferably, a conductive layer (9) is deposited over the remaining second portions of the photoresist, the surface portions (5a) of the supporting material, and at least portions of the contact regions, such that the conductive layer may be in contact with the supporting substrate and making electrical contact with the contact regions. Preferably, the remaining second portions of the photoresist are chemically dissolved, and portions of the conductive layer sitting above the second portions of the photoresist are lifted off, leaving remaining portions of the conductive layer in contact with the supporting substrate and making electrical contact with the contact regions.

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