

Title (en)

ACTIVE BACKPLANE FOR THIN SILICON SOLAR CELLS

Title (de)

AKTIVE RÜCKWAND FÜR DÜNNE SILICIUM-SOLARZELLEN

Title (fr)

PANNEAU ARRIÈRE ACTIF POUR CELLULES SOLAIRES EN SILICIUM MINCES

Publication

EP 2691990 A2 20140205 (EN)

Application

EP 12765891 A 20120328

Priority

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Abstract (en)

[origin: WO2012135395A2] Fabrication methods and structures relating to backplanes for back contact solar cells that provide for solar cell substrate reinforcement and electrical interconnects are described. The method comprises depositing an interdigitated pattern of base electrodes and emitter electrodes on a backside surface of a semiconductor substrate, attaching a prepeg backplane to the interdigitated pattern of base electrodes and emitter electrodes, forming holes in the prepeg backplane which provide access to the first layer of electrically conductive metal, and depositing a second layer of electrically conductive metal on the backside surface of the prepeg backplane forming an electrical interconnect with the first layer of electrically conductive metal through the holes in the prepeg backplane.

IPC 8 full level

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