

Title (en)  
METHOD FOR PRODUCING A PHOTOVOLTAIC CELL WITH A HETEROJUNCTION

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER FOTOVOLTAIKZELLE MIT EINEM HETEROÜBERGANG

Title (fr)  
PROCEDE DE FABRICATION D'UNE CELLULE PHOTOVOLTAIQUE A HETEROJONCTION

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Application  
**EP 16784238 A 20160929**

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Abstract (en)  
[origin: WO2017064384A1] The invention concerns a method for producing a photovoltaic cell with a heterojunction comprising the following steps:  
- depositing a layer of hydrogenated amorphous silicon (2) on a crystalline silicon substrate (1), the layer of hydrogenated amorphous silicon (2) having a thickness of between 5 and 30 nm; - depositing a layer of conductive transparent oxide (3) on the layer of hydrogenated amorphous silicon (2), - doping the layer of hydrogenated amorphous silicon (2) by ion implantation through the layer of conductive transparent oxide (3); - followed by annealing at a temperature of between 150 °C and 350 °C for a period of between 5 minutes and 3 hours.

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