

Title (en)

A PHOTOVOLTAIC DEVICE AND METHOD FOR THE PRODUCTION OF A PHOTOVOLTAIC DEVICE

Title (de)

PHOTOVOLTAISCHE VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER PHOTOVOLTAISCHEN VORRICHTUNG

Title (fr)

DISPOSITIF PHOTOVOLTAÏQUE ET PROCÉDÉ DE PRODUCTION D'UN DISPOSITIF PHOTOVOLTAÏQUE

Publication

**EP 2641273 A1 20130925 (EN)**

Application

**EP 10859755 A 20101118**

Priority

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Abstract (en)

[origin: WO2012066386A1] A photovoltaic device (1; 14; 17), comprising a substrate (2) comprising a major surface (3) and a material that is transparent at optical wavelengths, a first metallic electrode (6) arranged on the major surface (3), a second metallic electrode (11) spaced apart from the first electrode (6), a first plurality of nanowires (7) comprising a longitudinal outer surface and end faces and at least one photovoltaically active material (10; 23). The plurality of nanowires extends generally parallel to the major surface of the substrate and comprises semiconductive material. The plurality of first nanowires (7) and the photovoltaically active material (10; 23) are arranged between the first metallic electrode (6) and the second metallic electrode (11). The longitudinal outer surface (9) of opposing ends of the plurality of first nanowires (7) is embedded in the first metallic electrode (6).

IPC 8 full level

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