

Title (en)

METHOD FOR PRODUCTION OF PHOTSENSITISED THIN LAYER SEMICONDUCTORS

Title (de)

VERFAHREN ZUR PRODUKTION VON LICHTEMPFLINDLICHEN DÜNNSCHICHT-HALBLEITERN

Title (fr)

PROCEDE DE FABRICATION DE COUCHES MINCES SEMI-CONDUCTRICES PHOTSENSIBILISEES

Publication

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Application

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Abstract (en)

[origin: WO2005106941A1] The invention relates to a method for production of thin layer semiconductors, photosensitised by one or more chromophore substances with at least one cycle, comprising the following successive steps: a) a step of deposition on a support of at least one layer of a solution, obtained by sol-gel polymerisation of one or more precursors of semiconductor oxide(s), said semiconductor oxide(s) being selected from metallic oxides and mixtures thereof, b) a drying step for the layer obtained in a), c) an acid, basic or neutral treatment step in a liquid or gaseous medium of the layer obtained in b), d) a photosensitisation step of the layer obtained in c) using one or more chromophore substances, by bringing said layer into contact with a solution comprising the chromophore substance(s). The above is of application in the production of electrodes for photovoltaic cells and electroluminescent diodes.

IPC 8 full level

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