

Title (en)

METHOD FOR PREPARING A FILM CONSISTING OF AN OXIDE OR HYDROXIDE OF AN ELEMENT IN COLUMNS II OR III OF THE PERIODIC TABLE, AND COMPOSITE STRUCTURES INCLUDING SUCH A FILM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FILMS AUS DEN OXID ODER HYDROXID EINES ELEMENTS DER GRUPPEN II ODER III DES PERIODENSYSTEMS SOWIE DIE KOMPOSITSTRUKTUREN MIT EINEM SOLCHEN FILM

Title (fr)

PROCEDE DE PREPARATION D'UN FILM D'OXYDE OU D'HYDROXYDE D'UN ELEMENT DES COLONNES II OU III DE LA CLASSIFICATION, ET LES STRUCTURES COMPOSITES COMPRENANT UN TEL FILM

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Application

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Abstract (en)

[origin: WO9631638A1] A method enabling a film consisting of an oxide or hydroxide of a species selected from the elements in columns II or III of the periodic table to be deposited on a substrate in an electrochemical cell that includes an electrode consisting of said substrate. According to the method, oxygen is dissolved in the electrolyte, and a cathode potential lower than the oxygen reduction potential and higher than the deposition potential of metal M in the electrolyte in question is imparted to the electrochemical cell. The method is suitable for preparing composite structures that are particularly useful as transparent electrodes in photovoltaic cells.

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