

Title (en)

ELECTROCHEMICAL METHODS OF MAKING NANOSTRUCTURES

Title (de)

ELEKTROCHEMISCHE VERFAHREN ZUR HERSTELLUNG VON NANOSTRUKTUREN

Title (fr)

PROCÉDÉS ÉLECTROCHIMIQUES DE FABRICATION DE NANOSTRUCTURES

Publication

EP 2260123 A1 20101215 (EN)

Application

EP 09714589 A 20090218

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Abstract (en)

[origin: WO2009108286A1] Electrochemical methods for making nanostructures, for example, titanium oxide (TiO₂) nanostructures are described. The morphology of the nanostructures can be manipulated by controlling reaction parameters, for example, solution composition, applied voltage, and time. The methods can be used at ambient conditions, for example, room temperature and atmospheric pressure and use moderate electric potentials. The methods are scalable with a high degree of controllability and reproducibility.

IPC 8 full level

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CPC (source: EP)

C25B 1/00 (2013.01); **C25D 11/02** (2013.01); **C25D 11/26** (2013.01); **Y02E 60/36** (2013.01)

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See references of WO 2009108286A1

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