

Title (en)
Multiple bath electrodeposition

Title (de)
Mehrfachbad Elektroplattierung

Title (fr)
Electrodeposition par bains multiples

Publication
EP 1256639 A1 20021113 (EN)

Application
EP 01111055 A 20010508

Priority
EP 01111055 A 20010508

Abstract (en)
A method and apparatus for fabrication of thin multilayers, multilayered nanowires, and nanocomposites, with the purpose to complete the actually developing nanotechnologies, are described. A closed electrochemical system with multiple baths, protected by inert gas, where the chemical solutions are transferred there and back between different chemical tanks and an electrochemical cell, are used to produce thin, in nanometer-range, multiple layer depositions on a substrate which stays on a fix position for all the deposition cycles inside the electrochemical cell. A special transfer method protect the system from the cross contamination between different chemical solutions, and a particular way of cleaning, protect the deposited layers from the undesirable surface reactions. <IMAGE>

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C25D 5/10; **C25D 17/00**

IPC 8 full level
C25D 5/10 (2006.01); **C25D 17/00** (2006.01)

CPC (source: EP US)
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Citation (search report)

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EP 1256639 A1 20021113; EP 1390567 A1 20040225; US 2006243597 A1 20061102; WO 02092883 A1 20021121

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