

Title (en)

FABRICATION OF CONDUCTIVE NANOSTRUCTURES ON A FLEXIBLE SUBSTRATE

Title (de)

HERSTELLUNG VON LEITENDEN NANOSTRUKTUREN AUF EINEM FLEXIBLEN SUBSTRAT

Title (fr)

FABRICATION DE NANOSTRUCTURES CONDUCTRICES SUR UN SUBSTRAT FLEXIBLE

Publication

**EP 2370348 A4 20161221 (EN)**

Application

**EP 09836644 A 20091202**

Priority

- US 2009066302 W 20091202
- US 13827208 P 20081217

Abstract (en)

[origin: WO2010077529A2] Provided is a method of fabricating a continuous nanostructured material having an electrodeposited surface layer. A conductive master drum having a relief pattern on its surface that exposes only a portion of the master drum surface is immersed into a plating bath. An electrodepositable material is coated onto the exposed surface of the drum. A support material is coated over the deposited layer and the relief structure. Removal from the drum yields the nanostructured material.

IPC 8 full level

**B82B 3/00** (2006.01); **B82B 1/00** (2006.01); **B82Y 20/00** (2011.01); **C25D 1/00** (2006.01); **C25D 5/02** (2006.01); **G02B 5/30** (2006.01)

CPC (source: EP KR US)

**B82B 1/00** (2013.01 - KR); **B82B 3/00** (2013.01 - KR); **B82Y 20/00** (2013.01 - EP US); **C25D 1/003** (2013.01 - EP US); **C25D 1/006** (2013.01 - EP US); **C25D 5/02** (2013.01 - EP US); **C25D 5/028** (2013.01 - EP US); **B82Y 40/00** (2013.01 - KR); **G02B 5/3025** (2013.01 - EP US); **G02B 2207/101** (2013.01 - EP US)

Citation (search report)

- [X1] WO 2008081904 A1 20080710 - HITACHI CHEMICAL CO LTD [JP], et al & US 2010021695 A1 20100128 - NAOYUKI SUSUMU [JP], et al
- [X1] EP 1527216 A2 20050504 - INFINEON TECHNOLOGIES AG [DE]
- See references of WO 2010077529A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2010077529 A2 20100708**; **WO 2010077529 A3 20100826**; CN 102300802 A 20111228; EP 2370348 A2 20111005; EP 2370348 A4 20161221; KR 20110099039 A 20110905; US 2011240476 A1 20111006

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**US 2009066302 W 20091202**; CN 200980155613 A 20091202; EP 09836644 A 20091202; KR 20117016221 A 20091202; US 200913130064 A 20091202