

Title (en)

METHOD FOR FORMING ORDERED STRUCTURE OF FINE METAL PARTICLES

Title (de)

METHODE FÜR DIE HERSTELLUNG VON STRUKTUREN AUS FEINEN METALLTEILCHEN

Title (fr)

PROCEDE DE FORMATION DE STRUCTURE ORDONNEE DE FINES PARTICULES DE METAL

Publication

**EP 1239521 A8 20021120 (EN)**

Application

**EP 00979953 A 20001207**

Priority

- JP 0008638 W 20001207
- JP 35296599 A 19991213

Abstract (en)

[origin: EP1239521A1] In order to preventing thiol-coated metal particles from being liberated from a self-aligning membrane on a substrate during coating the metal particles deposited on the self-aligning membrane with thiol molecules, this invention provides a process for forming a metal particle ordered structure wherein a voltage is applied on the substrate for preventing the metal particles from being liberated from the self-aligning membrane during coating the metal particles deposited on the self-aligning membrane on the substrate with thiol molecules. <IMAGE> <IMAGE>

IPC 1-7

**H01L 29/06**; **H01L 29/66**; **C25D 13/00**; **C25D 13/10**

IPC 8 full level

**H01L 29/06** (2006.01); **B05D 7/24** (2006.01); **C25D 1/00** (2006.01); **C25D 13/00** (2006.01); **C25D 15/00** (2006.01); **H01L 29/15** (2006.01); **H01L 29/66** (2006.01); **H01L 51/10** (2006.01); **H01L 51/40** (2006.01)

CPC (source: EP KR US)

**B82Y 10/00** (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **B82Y 40/00** (2013.01 - EP US); **C25D 13/00** (2013.01 - EP US); **H01L 29/06** (2013.01 - KR); **H10K 10/701** (2023.02 - EP US)

Citation (search report)

See references of WO 0143196A1

Cited by

EP1797584A4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1239521 A1 20020911**; **EP 1239521 A4 20050914**; **EP 1239521 A8 20021120**; JP 2001168317 A 20010622; KR 100499594 B1 20050707; KR 20020069210 A 20020829; US 2002189952 A1 20021219; US 6755953 B2 20040629; WO 0143196 A1 20010614

DOCDB simple family (application)

**EP 00979953 A 20001207**; JP 0008638 W 20001207; JP 35296599 A 19991213; KR 20027007503 A 20020612; US 14954702 A 20020612