

Title (en)

Plating tool, plating method, electroplating apparatus, plated product, and method for producing plated product

Title (de)

Plattierungswerkzeug, Plattierungsverfahren, Elektroplattierungsvorrichtung, plattiertes Produkt und Verfahren zu dessen Herstellung

Title (fr)

Instrument de placage, procédé de placage, dispositif d'électroplacage, produit plaqué et procédé pour sa fabrication

Publication

**EP 1493847 A3 20081001 (EN)**

Application

**EP 04015654 A 20040702**

Priority

- JP 2003191570 A 20030704
- JP 2003431754 A 20031226
- JP 2004165416 A 20040603
- JP 2004165418 A 20040603

Abstract (en)

[origin: EP1493847A2] A plating tool for plating an object, includes a rotatable supporting member which includes an opening formed so as to pass through the rotatable supporting member, a line member which is provided so as to cross the opening, and a guide portion which is provided on the rotatable supporting member so as to promote a flow of a plating liquid toward the opening. A space defined by an inner wall face of the opening and the line member is a cell in which the object to be plated is placed.

IPC 8 full level

**C25D 17/16** (2006.01); **C25D 3/12** (2006.01); **C25D 5/34** (2006.01); **C25D 7/00** (2006.01); **C25D 7/04** (2006.01); **C25D 17/00** (2006.01); **C25D 17/06** (2006.01); **C25D 17/08** (2006.01); **H01F 41/02** (2006.01); **H01F 41/26** (2006.01)

CPC (source: EP US)

**C25D 3/12** (2013.01 - EP US); **C25D 5/34** (2013.01 - EP US); **C25D 7/001** (2013.01 - EP US); **C25D 7/04** (2013.01 - EP US); **C25D 17/08** (2013.01 - EP US); **H01F 41/026** (2013.01 - EP US); **H01F 41/26** (2013.01 - EP US)

Citation (search report)

- [X] JP 2001181893 A 20010703 - SUMITOMO SPEC METALS
- [E] DE 10309401 A1 20040916 - VACUUMSCHMELZE GMBH & CO KG [DE]
- [A] US 5360527 A 19941101 - RIBITCH RAYMOND W [US]
- [DX] EP 0502475 A2 19920909 - KANEGAFUCHI CHEMICAL IND [JP], et al
- [X] DATABASE WPI Week 198351, Derwent World Patents Index; AN 1983-847343, XP002492508

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

**EP 1493847 A2 20050105**; **EP 1493847 A3 20081001**; CN 1330795 C 20070808; CN 1576399 A 20050209; US 2005056542 A1 20050317

DOCDB simple family (application)

**EP 04015654 A 20040702**; CN 200410062159 A 20040705; US 88300804 A 20040702