

Title (en)  
NON-PERMEABLE SUBSTRATE CARRIER FOR ELECTROPLATING

Title (de)  
NICHT DURCHLÄSSIGER SUBSTRATTRÄGER FÜR DIE GALVANOTECHNIK

Title (fr)  
SUPPORT DE SUBSTRATS NON PERMÉABLE POUR L'ÉLECTRODÉPOSITION

Publication  
**EP 2619349 A4 20160127 (EN)**

Application  
**EP 11827131 A 20110711**

Priority

- US 88923210 A 20100923
- US 88922810 A 20100923
- US 88921910 A 20100923
- US 2011043571 W 20110711

Abstract (en)  
[origin: WO2012039816A1] One embodiment relates to a substrate carrier for use in electroplating a plurality of substrates. The substrate carrier comprises a non-conductive carrier body (102 and 202) on which the substrates are to be held. Electrically-conductive lines (128) are embedded within the carrier body, and a plurality of contact clips (802 or 900 or 1000) are coupled to the electrically-conductive lines embedded within the carrier body. The contact clips hold the substrates in place and electrically couple the substrates to the electrically-conductive lines. The non-conductive carrier body is continuous so as to be impermeable to flow of electroplating solution through the non-conductive carrier body. Other embodiments, aspects and features are also disclosed.

IPC 8 full level  
**C25D 17/00** (2006.01); **C25D 17/08** (2006.01)

CPC (source: EP KR)  
**C25D 17/001** (2013.01 - EP KR); **C25D 17/005** (2013.01 - EP KR); **C25D 17/007** (2013.01 - KR); **C25D 17/08** (2013.01 - EP KR)

Citation (search report)

- [A] US 2005061665 A1 20050324 - PAVANI LUCA [IT], et al
- [A] US 2008248596 A1 20081009 - DAS RABINDRA N [US], et al
- [A] US 2007151599 A1 20070705 - COUSINS PETER J [PH]
- [A] DE 102005039100 A1 20070215 - SCHMID GMBH & CO GEB [DE]
- [A] US 5078852 A 19920107 - YEE IAN Y K [US], et al
- [A] US 4796157 A 19890103 - OSTREM FRED E [US]
- See references of WO 2012039816A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012039816 A1 20120329**; CN 203307439 U 20131127; CN 203795007 U 20140827; EP 2619349 A1 20130731; EP 2619349 A4 20160127; EP 2619349 B1 20161109; EP 3150748 A1 20170405; EP 3150748 B1 20180509; ES 2605805 T3 20170316; JP 2013537941 A 20131007; JP 2016014192 A 20160128; JP 5792820 B2 20151014; JP 6080320 B2 20170215; KR 101764275 B1 20170803; KR 101828394 B1 20180212; KR 20130121704 A 20131106; KR 20170091755 A 20170809; WO 2012039817 A2 20120329; WO 2012039817 A3 20140320; WO 2012039818 A1 20120329

DOCDB simple family (application)  
**US 2011043571 W 20110711**; CN 201190000585 U 20110711; CN 201320681505 U 20110711; EP 11827131 A 20110711; EP 16197330 A 20110711; ES 11827131 T 20110711; JP 2013530143 A 20110711; JP 2015156113 A 20150806; KR 20127034368 A 20110711; KR 20177021079 A 20110711; US 2011043573 W 20110711; US 2011043576 W 20110711