

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
12 October 2006 (12.10.2006)

PCT

(10) International Publication Number  
WO 2006/107514 A3

- (51) International Patent Classification:  
H01L 21/302 (2006.01) H01L 21/44 (2006.01)
- (21) International Application Number:  
PCT/US2006/008732
- (22) International Filing Date: 7 March 2006 (07.03.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
11/095,827 30 March 2005 (30.03.2005) US
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

(88) Date of publication of the international search report:  
23 April 2009



WO 2006/107514 A3

(54) Title: METHOD OF INHIBITING COPPER CORROSION DURING SUPERCRITICAL CO<sub>2</sub> CLEANING

(57) Abstract: A method for the pre-treatment of a wafer substrates with exposed metal surfaces is disclosed. The pre-treatment reduces oxidation of the exposed metal surfaces during subsequent supercritical cleaning processes.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US06/08732

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC: H01L 21/302( 2006.01),21/44( 2006.01)

USPC: 438/689,622,687  
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 438/689,622,687

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EAST Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,764,552 B1 (JOYCE et al) 20 July 2004 (20.07.2004), entire document.	1-6, 8-11, 13, 35
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Y		7, 14-34
Y	US 2004/0121269 A1 (LIU et al) 24 June 2004 (24.06.2004), paragraph 0029.	7
Y	US 6,500,605 B1 (MULLEE et al) 31 Dec. 2002 (31.12.2002), column 8, line 41-column 9, line 9.	14-20, 23-26, 29, 30, 33, 34
Y	US 2004/0118812 A1 (WATKINS et al) 24 June 2004 (24.06.2004), paragraph 0068.	21, 22, 27, 28, 31, 32

Further documents are listed in the continuation of Box C.

See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
 05 May 2008 (05.05.2008)

Date of mailing of the international search report  
**14 MAY 2008**

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