

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
6 December 2007 (06.12.2007)

PCT

(10) International Publication Number  
**WO 2007/140375 A3**

(51) International Patent Classification:

**H01L 21/31** (2006.01) **C23C 16/42** (2006.01)  
**H01L 21/331** (2006.01)

(21) International Application Number:

PCT/US2007/069894

(22) International Filing Date: 29 May 2007 (29.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/809,745 31 May 2006 (31.05.2006) 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, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, MT, 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:

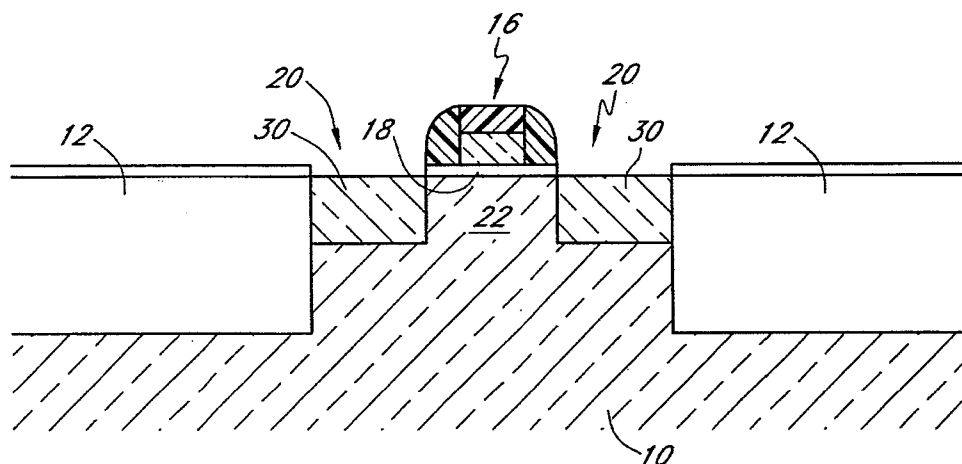
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

31 January 2008

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND SYSTEMS FOR SELECTIVELY DEPOSITING SI-CONTAINING FILMS USING CHLOROPOLYSILANES



(57) Abstract: Chloropolysilanes are utilized in methods and systems for selectively depositing thin films useful for the fabrication of various devices such as microelectronic and/or microelectromechanical systems (MEMS).

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/69894

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01L 21/31; H01L 21/331; C23C 16/42 (2007.10)

USPC - 438/489; 438/969; 257/E21.379

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)

IPC(8): H01L 21/31; H01L 21/331 C23C 16/42 (2007.10)

USPC: 438/489; 438/969; 257/E21.379

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
USPC: 438/489; 438/969; 257/E21.379 (keyword limited -- see keywords below)

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

PubWEST (PGPB,USPT,EPAB,JPAB); GOOGLE; GOOGLE PATENTS

Search terms used: CVD, silane, chloro-, DCS, TCS, selective

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0224089 A1 (SINGH et al.) 11 November 2004 (11.11.2004), entire document; Abstract; para [0069]; Example 1; para [0025]-[002]; para [0055]; para [0050]; para [0061]; para [0066]; para [0029], [0043], [0046]; para [0054]; para [0059]; para [0047], [0052]; para [0047]; para [0066].	1-44
Y	US 6,613,695 B2 (POMAREDE et al.) 02 September 2003 (02.09.2003), entire document; Abstract; col 9, ln 19-25; col 5, ln 21-24; col 8, ln 65-col 9, ln 5; col 13, ln 62-66; col 4, ln 66-col 5, ln 2; col 8, ln 14-24; Fig 2; col 5, ln 27-29; col 6, ln 25-40.	1-44

☐ Further documents are listed in the continuation of Box C.

## \* Special categories of cited documents:

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Date of the actual completion of the international search

08 November 2007 (08.11.2007)

Date of mailing of the international search report

05 DEC 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents  
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

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