

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/049398 A3

(51) International Patent Classification⁷: **H01L 21/31**,
21/469, B32B 5/16

(21) International Application Number:
PCT/US2003/037171

(22) International Filing Date:
19 November 2003 (19.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/301,109 21 November 2002 (21.11.2002) US

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(81) Designated States (*national*): 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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (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:
9 June 2005

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: POROGEN MATERIAL

(57) Abstract: A porogen material for forming a dielectric porous film. The porogen material may include a silicon based dielectric precursor and a silicon containing porogen. The porous film may have a substantially uniform dielectric constant value throughout. Methods of forming the porous film as well as semiconductor devices employing circuit features isolated by the porous film are also present.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/37171

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L 21/31, 21/469; B32B 5/16

US CL : 438/725, 780, 781, 790; 428/402, 402.21, 407

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. : 438/725, 780, 781, 790; 428/402, 402.21, 407

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)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,632,531 A (BLANKENSHIP) 14 October 2003 (14.10.2003), column 26, lines 19-40 and 49-59	11-16
Y,P	US 6,670,285 A (HAWKER et al) 30 December 2003 (30.12.2003), column 17, lines 41-66.	1-10
Y,P	US 6,528,409 A (LOPATIN et al) 4 March 2003 (04.03.2003), column 12, lines 48-62.	17-18

☐ 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

18 February 2005 (18.02.2005)

Date of mailing of the international search report

07 APR 2005

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