

(10) International Publication Number
WO 2012/170936 A3(43) International Publication Date
13 December 2012 (13.12.2012)

- (51) **International Patent Classification:**
C12Q 1/68 (2006.01) *G01N 21/25* (2006.01)
- (21) **International Application Number:**
PCT/US2012/041732
- (22) **International Filing Date:**
8 June 2012 (08.06.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/495,266 9 June 2011 (09.06.2011) US
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

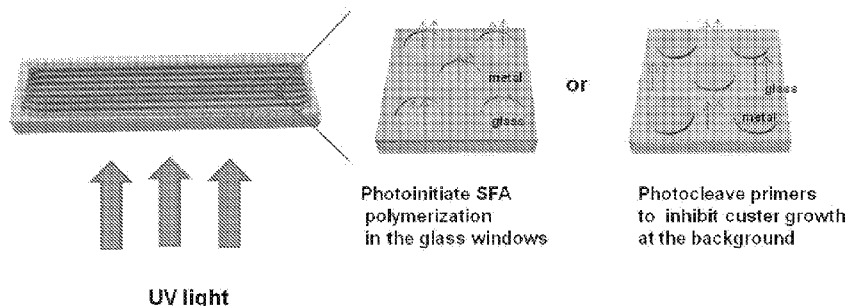
- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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

28 March 2013

(54) **Title:** PATTERNED FLOW-CELLS USEFUL FOR NUCLEIC ACID ANALYSIS

Figure 5



(57) **Abstract:** Provided is a surface having metal regions and an interstitial region having a composition that differs from the metal regions, wherein a continuous gel layer coats the surface across the metal regions and the interstitial regions. Nucleic acids or other analytes can be attached to the continuous gel layer such that a greater amount is attached over the metal regions than over the interstitial region. Also provided are methods for making such surfaces. Methods are also provided for making an array of nucleic acids or other analytes using such surfaces.

A. CLASSIFICATION OF SUBJECT MATTER*C12Q 1/68(2006.01)i, G01N 21/25(2006.01)i*

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)

C12Q 1/68; B05D 5/00; H01L 21/22; G01N 33/00; B32B 5/00; B32B 3/10; B32B 9/04

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal), PubMed, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0239824 A1 (WEITZ, D. A. et al.) 23 September 2010 See abstract; paragraphs [0022], [0034]; claims 1, 4, 9, 13-14, 22.	1-23
A	US 2007-0218610 A1 (LIM, G. B. et al.) 20 September 2007 See abstract; paragraphs [0075], [0103]; claim 1.	1-23
A	US 2010-0068490 A1 (SHIH, W. Y. et al.) 18 March 2010 See abstract; claims.	1-23
A	US 2007-0237680 A1 (LEE, H. J. et al.) 11 October 2007 See abstract; claims.	1-23



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

24 JANUARY 2013 (24.01.2013)

Date of mailing of the international search report

25 JANUARY 2013 (25.01.2013)

Name and mailing address of the ISA/KR

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City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, JEONG UNG

Telephone No. 82-42-481-3478



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/041732

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