(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 February 2008 (21.02.2008)

PCT

(10) International Publication Number
WO 2008/021189 A3

(51) International Patent Classification:
H01L 41/04 (2006.01)

(21) International Application Number:
PCT/US2007/017723

(22) International Filing Date: 9 August 2007 (09.08.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/821,883	9 August 2006 (09.08.2006)	US
60/940,861	30 May 2007 (30.05.2007)	US
60/948,106	5 July 2007 (05.07.2007)	US

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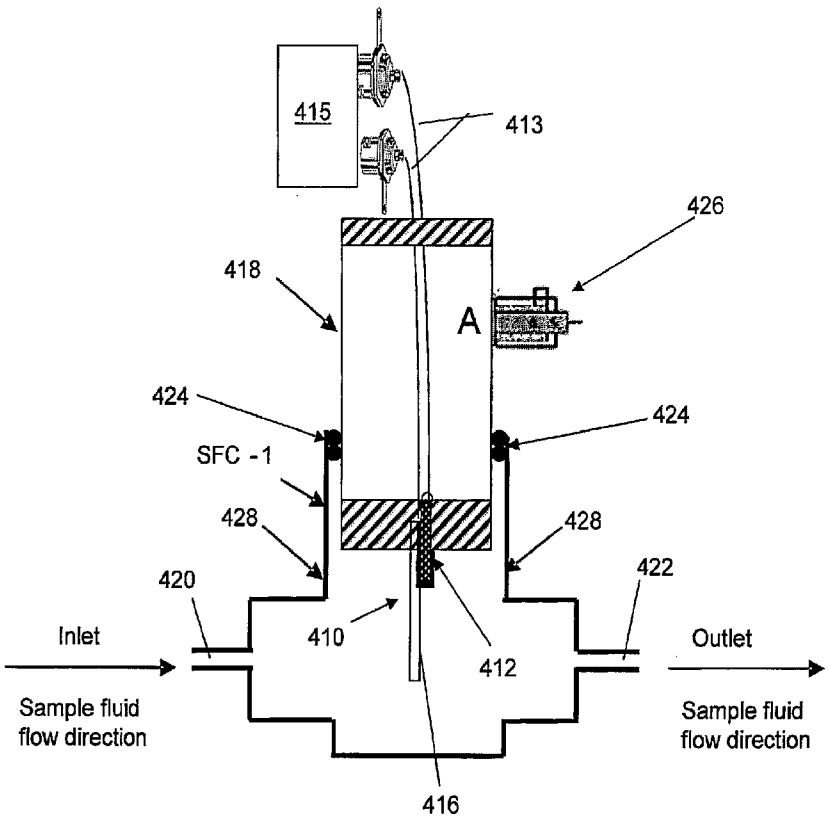
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, 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,

[Continued on next page]

(54) Title: CONTROLLING ACCUMULATION OF SELECT ADSORBERS ON A PIEZOELECTRIC CANTILEVER SENSOR



(57) Abstract: The techniques described herein are directed to removing material that has attached to or preventing material from attaching to the surface of a piezoelectric cantilever. The material can be a target material, other, non-target, material that may be weakly bound or attached to the cantilever sensor, or the material may be a combination thereof. Accordingly, the cantilever sensor can be reused, in situ, without degraded detection performance of the cantilever sensor. The techniques may also be utilized to remove all material that has attached to a surface of the cantilever sensor which provides means for reusing the cantilever sensor.

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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:
17 April 2008

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/017723

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H01L 41/04 (2008.01)
USPC - 73/579
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 41/04 (2008.01)
USPC - 73/579,662; 134/1.3; 310/311; 422/68.1-82.13

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

Micromachined Transducers Sourcebook, Gregory T.A. Kovacs, 1998

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

USPTO EAST System (US, USPG-PUB, EPO, JPO, FPRS, DERWENT), GoogleScholar, DialogPro, IEEExplore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,880,402 B1 (COUET et al) 19 April 2005 (19.04.2005) entire document	1-18, 20-45

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

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Date of the actual completion of the international search	Date of mailing of the international search report
09 January 2008	05 MAR 2008
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	Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2005)