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(71) Applicant (for all designated States except US): **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PHILLIPS, Scott, T.** [US/US]; 711 Sunset Rd, State College, PA 16803 (US). **THOM, Nicole, K.** [US/US]; 311 Tofitress Ave. Apt. 237, State College, PA 16803 (US). **NOH, Hyeran** [—/KR]; Gwanak_1, Gwanak-ro, Gwanak-gu, Seoul 151-742 (KR).

(74) Agents: **HARPER, Mark, A.** et al.; Gifford, Krass, Sprinkle, Anderson & Citkowski, P.C, 2701 Troy Center Drive, Suite 330, Post Office Box 7021, Troy, MI 48007-7021 (US).

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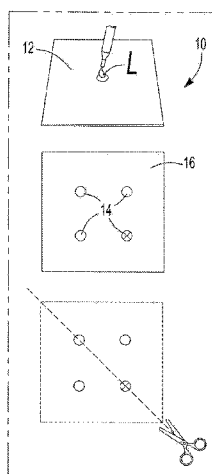


Fig-1a

(57) Abstract: A fluidic device having a first layer with a first layer wicking channel and a second layer extending across the first layer and having a second layer functional wicking channel. The fluidic device can further include a third layer extending across the second layer, the third layer having a third layer functional wicking channel. The second layer functional wicking channel can have a different function than the third layer functional wicking channel and the functional wicking channels can afford for the fluidic device to be used as a timer, a battery, and/or a chemical assay.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/030710**A. CLASSIFICATION OF SUBJECT MATTER****G01N 35/08(2006.01)i, G01N 31/00(2006.01)i, G01N 37/00(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)

G01N 35/08; B01L 3/02; B01L 11/00; G01N 21/77; G01N 33/48; G01N 35/00

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) & Keywords: fluidic, device, layer, wicking channel, paper, paraffin wax, paper, and cellulose,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2007-0092975 A1 (RADISLAV A. POTYRAILO et al.) 26 April 2007 See abstract; paragraph 69; claim 1; fig.1.	1-6 7-20
Y	WO 2009-121037 A2 (PRESIDENT AND FELLOWS OF HARVARD COLLEGE) 01 October 2009 See abstract; paragraphs 14-15, 39-40; fig. 2.	1-6
A	US 7192559 B2 (ANDREA W. CHOW et al.) 20 March 2007 See abstract; column 8, lines 15-42; figs. 2-3.	1-20
A	WO 2009-121041 A2 (PRESIDENT AND FELLOWS OF HARVARD COLLEGE) 01 October 2009 See abstract; paragraph 3; claim 1.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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Authorized officer

BYUN, SUNG CHEAL

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/030710

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