

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 January 2008 (31.01.2008)

PCT

(10) International Publication Number
WO 2008/013563 A3

(51) International Patent Classification:
H01L 21/82 (2006.01)

(21) International Application Number:
PCT/US2006/048212

(22) International Filing Date:
18 December 2006 (18.12.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/314,751 20 December 2005 (20.12.2005) US
11/314,738 20 December 2005 (20.12.2005) US
11/314,718 20 December 2005 (20.12.2005) 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, 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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, 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, 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).

[Continued on next page]

(54) Title: NANOTUBE CIRCUIT ANALYSIS SYSTEM AND METHOD

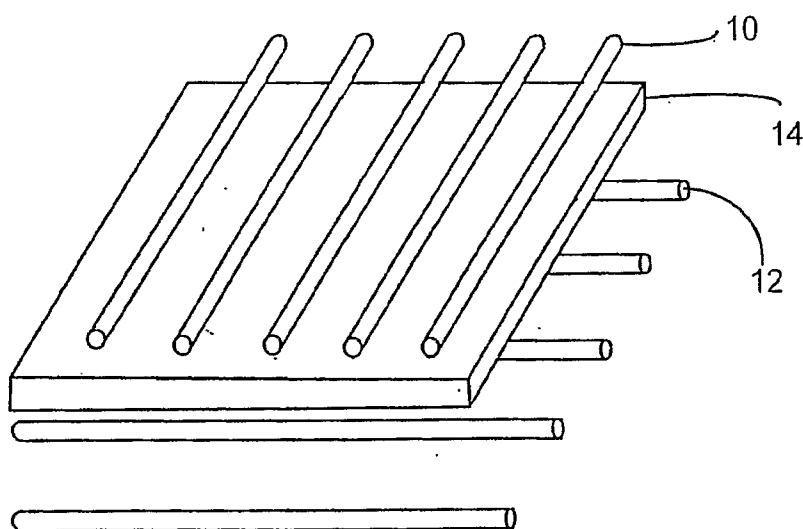


FIG. 1

(57) Abstract: Carbon nanotube template arrays may be edited to form connections between proximate nanotubes and/or to delete undesired nanotubes or nanotube junctions.

WO 2008/013563 A3

WO 2008/013563 A3



Published:

— *with international search report*

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

15 January 2009

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/48212

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01L 21/82 (2008.04)

USPC - 438/130

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)

USPC: 438/130

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
DialogPro: Chemical Engineering and General Research

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

West: US Pre-Grant Publication Full-Text; US Patents Full-Text; EPO Abstracts; JPO Abstracts, Google

Terms: carbon nanotubes, template, computer model, junctions and interconnected CNT segments, deleting CNT, electron beam, ion beam, laser beam, predicted response, computer program, crossbar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0117441 A1 (Lieber et al.) 02 Jun. 2005 (02.06.2005) entire document especially paras [0053-0068].	1-10
Y	US 2004/0026007 A1 (Hubert et al.) 12 Feb. 2004 (12.02.2004) entire document especially paras [0053] and [0063].	1-10
A	US 2005/0253137 A1 (Whang et al.) 17 Nov. 2005 (17.11.2005) entire document	1-10
A	US 6,963,077 B2 (DeHon et al.) 08 Nov. 2005 (08.11.2005) entire document	1-10

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Date of the actual completion of the international search

22 Oct. 2008 (22.10.2008)

Date of mailing of the international search report

31 OCT 2008

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