

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2007 (15.03.2007)

PCT

(10) International Publication Number
WO 2007/029253 A3

(51) International Patent Classification:
H05K 7/20 (2006.01)

(21) International Application Number:
PCT/IL2006/001041

(22) International Filing Date:
6 September 2006 (06.09.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/714,681 6 September 2005 (06.09.2005) 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, 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, 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.

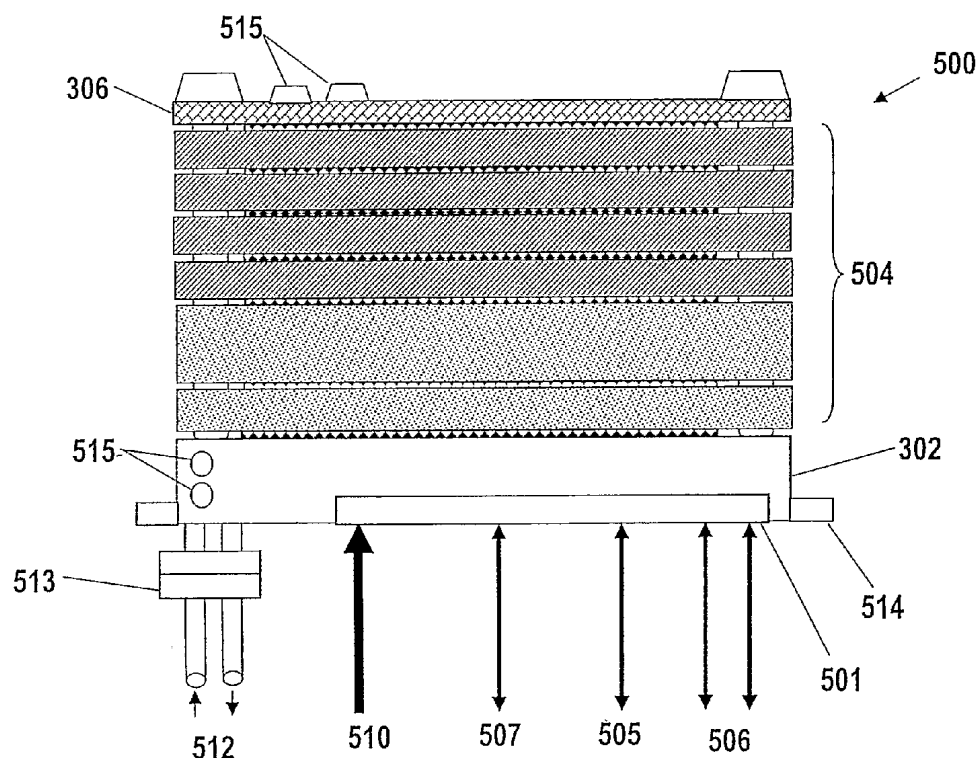
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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).

Published:

— with international search report

(88) Date of publication of the international search report:
30 April 2009

(54) Title: 3-DIMENSIONAL MULTI-LAYERED MODULAR COMPUTER ARCHITECTURE



(57) Abstract: New and unique apparatuses, systems and methods are provided for constructing and implementing a 3-Dimensional multi-layered modular computer architecture that significantly improves computer mass, volume and power densities through the use of 3-Dimensional layered structure.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL06/01041

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H05K 7/20**(2006.01)

USPC: 361/699

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. : 361/699

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)
APS 3-dimensional, multi-layered, modular, heat disipation, cooling.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,181,167 A (Davidson et al.) 19 January 1993 (19.01.1993), abstract.	1-191
A	US 5,677,569 A (Choi et al.) 14 October 1997 (14.10.1997), abstract.	1-191
A	US 5,939,789 A (Kawai et al.) 17 August 1999 (17.08.1999), abstract	1-191
A	US 6,489,676 A (Taniguchi et al.) 3 December 2002 (03.12.2002), abstract.	1-191
A	US 6,528,870 A (Fukatsu et al.) 04 March 2003 (04.03.2003), abstract.	1-191
A	US 6,563,206 A (Kamikuri et al.) 13 May 2003 (13.05.2003), abstract.	1-191
A	US 6,849,945 A (Horiuchi et al.) 01 February 2005 (01.02.2005), abstract.	1-191

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"&"

document member of the same patent family

Date of the actual completion of the international search

11 June 2008 (11.06.2008)

Date of mailing of the international search report

07 JUL 2008

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL06/01041

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A,P	US 7,061,087 B2 (Kim) 13 June 2006 (13.06.2006), abstract.	1-191
A	US 6,239,496 B1 (Asada) 29 May 2001 (29.05.2001), abstract.	1-191
A	US 6,664,969 B1 (Emerson et al.) 16 December 2003 (16.12.2003), abstract.	1-191
A	US 6,819,562 B2 (Boudreaux et al.) 16 November 2004 (16.11.2004), abstract.	1-191
A,P	US 7,030,486 B1 (Marshall) 18 April 2006 (18.04.2006), abstract.	1-191
A,P	US 7,102,691 B2 (Dischert et al.) 5 September 2006 (05.07.2006), abstract.	1-191
A,P	US 7,289,328 B2 (Belady et al.) 30 October 2007 (30.10.2007), abstract.	1-191
A,P	US 7,369,412 B2 (Peng et al.) 6 May 2008 (06.05.2008), abstract.	1-191
A,P	US 7,382,775 B2 (Hesse) 3 June 2008 (03.06.2008), abstract.	1-191
A	US 6,894,906 B2 (Sivertsen) 17 May 2005 (17.05.2005), abstract.	1-191