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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 January 2006 (26.01.2006)

PCT

(10) International Publication Number
WO 2006/010113 A3

(51) International Patent Classification:
G06F 3/00 (2006.01) *G06F 7/00* (2006.01)
G06F 15/16 (2006.01) *G06F 9/00* (2006.01)
G06F 15/173 (2006.01) *G06F 9/44* (2006.01)
G06F 17/00 (2006.01) *G06F 9/46* (2006.01)
H04L 12/28 (2006.01) *G06F 13/00* (2006.01)

(21) International Application Number:
PCT/US2005/024517

(22) International Filing Date: 11 July 2005 (11.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/586,952 9 July 2004 (09.07.2004) US

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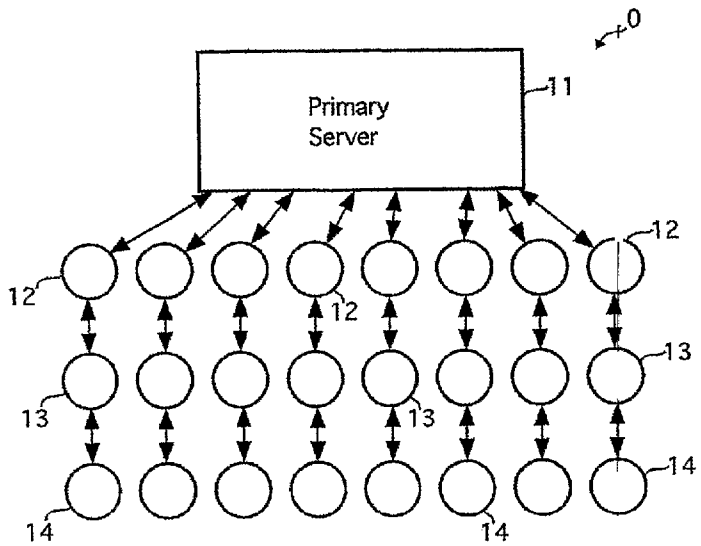
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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*

[Continued on next page]

(54) Title: SYSTEMS FOR DISTRIBUTING DATA OVER A COMPUTER NETWORK AND METHODS FOR ARRANGING NODES FOR DISTRIBUTION OF DATA OVER A COMPUTER NETWORK



(57) Abstract: A system for distributing data over a computer network and a method of arranging receiver nodes in a computer network such that the capacity of a server is effectively increased. The distribution system may include node(s) having database(s) which indicate ancestor(s) and/or descentdant(s) of the node so that reconfiguration of the network may be accomplished without burdening the system's primary server. An embodiment of the present invention may include a process of configuring a computer information distribution network having a primary server node and user nodes docked in a cascaded relationship, and reconfiguring the network in the event that a user node departs from the network. The process may include providing a new user node with a connection address list of nodes within the network, and having the new node determine proper connections to one of the nodes on the list.

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(88) Date of publication of the international search report:
15 March 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/24517

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06F 3/00**(2006.01),**15/16**(2006.01),**15/173**(2006.01),**17/00**(2006.01);**H04L 12/28**(2006.01)
G06F 7/00(2006.01),9/00(2006.01),9/44(2006.01),9/46(2006.01),13/00(2006.01)

USPC: 709/223-225,245,252;726/11,14;715/733-737;370/256

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. : 709/203, 223-226, 239, 245, 252; 719/318; 726/11, 14; 707/104.1; 715/733-737; 370/254-256

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0126299 A1 (SHAH-HEYDARI) 03 July 2003 (03.07.2003); whole document	1-8
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Y		15-25
X	US 2002/0062388 A1 (Ogier et al.) 23 May 2002 (23.05.2002); whole document	10-14
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Y		15-25
X	US 2002/0038360 A1 (ANDREWS et al.) 28 March 2002 (28.03.2002); whole document	31-34
A	US 6,704,319 B1 (DURHAM et al.) 09 March 2004 (09.03.2004); whole document	1-34
A	US 6,535,491 B2 (GAI et al.) 18 March 2003 (18.03.2003); whole document	1-34

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Date of the actual completion of the international search	Date of mailing of the international search report
27 September 2006 (27.09.2006)	06 DEC 2006
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 Jason Cardone for T. A. Solola Telephone No. (571) 272-8600

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

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/24517

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,697,338 B1 (BREITBART et al.) 24 February 2004 (24.02.2004); whole document	1-34
A	US 2002/0091819 A1 (MELCHIONE et al.) 11 July 2002 (11.07.2002); whole document	1-34
A	US 6,047,331 A (MEDARD et al.) 04 April 2000 (04.04.2000); whole document	1-34
A	US 2004/0047300 A1 (ENOMOTO et al.) 11 March 2004 (11.03.2004); whole document	1-34