

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 May 2008 (29.05.2008)

PCT

(10) International Publication Number
WO 2008/063162 A3

(51) International Patent Classification:
G06F 12/00 (2006.01)

(US). JOHN, Moffat, M. [US/US]; 4721 AVEDON ROAD, Moorpark, CA 93201 (US).

(21) International Application Number:
PCT/US2006/042722

(74) Agents: SAMPLES, Kenneth, H. et al.; FITCH, EVEN, TABIN & FLANNERY, 120 SOUTH LASALLE STREET, SUITE 1600, Chicago, IL 60603 (US).

(22) International Filing Date: 31 October 2006 (31.10.2006)

(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, 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.

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): DIGI-FLICKS INTERNATIONAL, INC. [US/US]; 88 BRINKER ROAD, Barrington, IL 60010 (US).

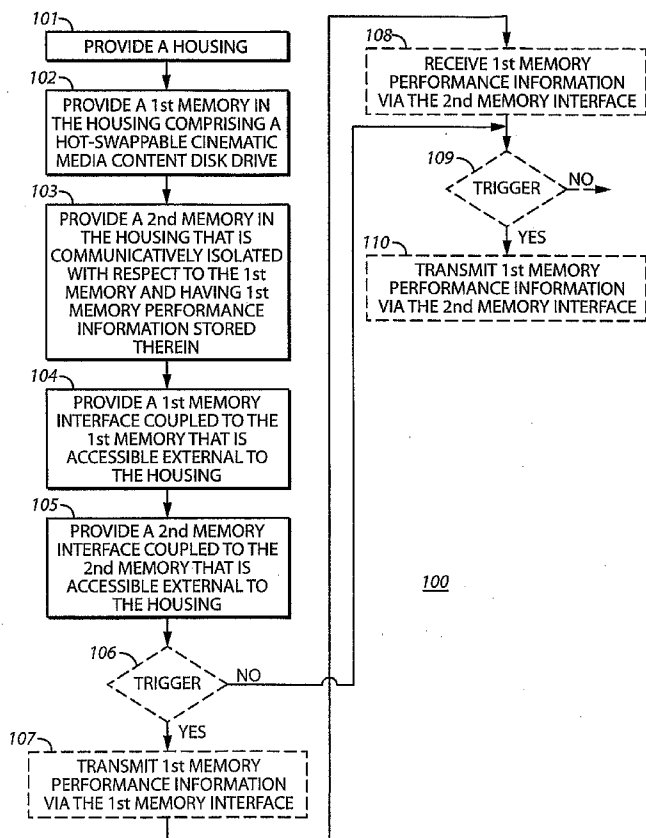
(72) Inventors; and

(75) Inventors/Applicants (for US only): JANKINS, Mark [US/US]; 12225 CANTURA STREET, Studio City, CA 91604 (US). DAVIDOFF, Monte [US/US]; 20875 VALLEY GREEN DRIVE, APT. 39, Cupertino, CA 95014

(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,

[Continued on next page]

(54) Title: DIGITAL STORAGE MEMORY MODULE APPARATUS AND METHOD



(57) Abstract: A digital storage memory module (200) comprises a housing (201) having a first memory (202) and a second memory (205) disposed therein. In one embodiment the first memory comprises, for example, a hot-swappable cinematic media content disk drive and the second memory comprises, for example, a flash memory, hi one embodiment these two memories, though sharing a common housing, are communicatively isolated from one another, hi one embodiment this digital storage memory module further comprises a first and second memory interface (203 and 209) that couple, respectively, to the first and second memory and that are accessible external to the housing such that cinematic media content can be uploaded to and downloaded from the first memory and performance information regarding the first memory can be uploaded to and downloaded from the second memory.

WO 2008/063162 A3



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).

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

Published:

— *with international search report*

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/42722

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 12/00 (2007.01)

USPC - 711/112

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: 711/112

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 711/100, 103, 148 (view text search terms below)

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

pubWEST(PGPB,USPT,EPAB,JPAB; PLUR=YES; DialogPRO(Engineering); Google Scholar; Text search terms: digital storage memory module, housing memory, hot-swappable cinematic media content disk drive, flash memory, sharing common housing, isolated, memory interface, accessible external, cinematic media content, upload, download

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2001/0052038 A1 (FALLON, et al.) 13 December 2001 (13.12.2001) entire document, especially Abstract and para [0013]-[0014], [0046], [0049], [0051], [0079], [0089], [0102], [0104]	1-2, 4-5, 9, 11-12, 14, 21 and 23-26 3, 6-8, 10, 13, 15-20 and 22
Y	US 2005/0188149 A1 (KALER) 25 August 2005 (25.08.2005) entire document, especially Abstract, FIG.3 and para [0013], [0021]	3 and 13
Y	US 2006/0171683 A1 (BATTAGLIA, et al.) 03 August 2006 (03.08.2006) entire document, especially Abstract and para [0068] and [0092]	6 and 19-20
Y	US 2006/0092771 A1 (LOUI, et al.) 04 May 2006 (04.05.2006) entire document, especially Abstract and para [0017]	7
Y	US 2005/0058318 A1 (RHOADS) 17 March 2005 (17.03.2005) entire document, especially Abstract, FIG.4, and para [0120], [0158], [0255] and [0554]	8
Y	US 6,694,200 B1 (NAIM) 17 February 2004 (17.02.2004) entire document, especially Abstract and (col 8, ln 55-60), (col 9, ln 7-12), (col 11, ln 42-49) and (col 12, ln 22-26)	10, 15-18 and 22
A	LAIRD, R.T. et al. "FIRRE command and control station (C2)". In Proceedings of SPIE. Vol. SPIE-6230, pp. 728-739. 17-20 April 2006. [retrieved on 2007-08-06]. Retrieved from the internet: <URL: http://www.nosc.mil/robots/pubs/SPIE_6230-85_FIRRE-C2-Station.pdf >	1-26

 Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

06 August 2007 (06.08.2007)

Date of mailing of the international search report

19 FEB 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:

Lee W. Young

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774