

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number  
**WO 2004/044784 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 3/06**  
(21) International Application Number:  
PCT/US2003/035824

(22) International Filing Date:  
7 November 2003 (07.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/425,034 8 November 2002 (08.11.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, 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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

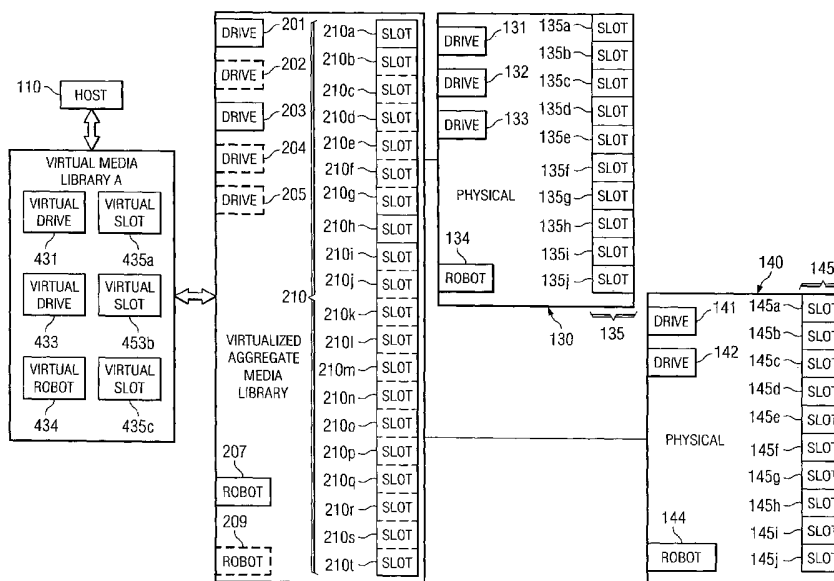
**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
13 January 2005

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.

(54) Title: SYSTEM AND METHOD FOR CONTROLLING ACCESS TO MULTIPLE PHYSICAL MEDIA LIBRARIES



(57) Abstract: Embodiments of the present invention provide a media library controller that can communicate with multiple physical libraries that are physically separate from each other (i.e., that cannot pass media back and forth). The media library controller can maintain a virtualized aggregate media library representing the physical media libraries with which it is in communication. From the physical media libraries, the media library controller can establish a virtual media library and associate a host with the virtual media library. The virtual media library can represent the portions of a physical media library to which the host is allowed access.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/35824

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06F3/06

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)

IPC 7 G06F G11B

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 156 408 A (ASACA CORP) 21 November 2001 (2001-11-21)	1,3-11, 13-20, 26-29
Y	figures 1,5,6	21
A	column 5, line 4 - column 6, line 48 column 7, line 33 - column 9, line 55	22-25
Y	US 6 425 059 B1 (SLAWSON STALEY BERT ET AL) 23 July 2002 (2002-07-23)	21
A	column 4, line 14 - column 9, line 22 figures 1,4	1-4,7,8, 11-14, 17,18, 22,23, 26,28
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

06/12/2004

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/35824

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 328 766 B1 (LONG ROBERT M) 11 December 2001 (2001-12-11)</p> <p>column 4, line 33 - column 7, line 39 figures 3,4</p>	<p>1-5,7,8, 11-15, 17,18, 22-24, 26-28</p>
A	<p>WO 02/27463 A (STORAGE TECHNOLOGY CORP) 4 April 2002 (2002-04-04)</p> <p>page 6, line 1 - line 21 figure 1</p>	<p>1,3,4, 9-11,13, 14,19, 20,26,29</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/35824

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1156408	A	21-11-2001	EP 1156408 A1	21-11-2001
			WO 0041063 A1	13-07-2000
US 6425059	B1	23-07-2002	CN 1300027 A	20-06-2001
US 6328766	B1	11-12-2001	AU 5929398 A	18-08-1998
			WO 9833113 A1	30-07-1998
WO 0227463	A	04-04-2002	US 6779077 B1	17-08-2004
			AU 1531002 A	08-04-2002
			AU 9300701 A	08-04-2002
			AU 9631101 A	08-04-2002
			EP 1320978 A2	25-06-2003
			JP 2004513418 T	30-04-2004
			WO 0227463 A2	04-04-2002
			WO 0227506 A2	04-04-2002
			WO 0227507 A2	04-04-2002