



US007860830B2

(12) **United States Patent**
Mirrashidi et al.

(10) **Patent No.:** **US 7,860,830 B2**
(45) **Date of Patent:** **Dec. 28, 2010**

(54) **PUBLISHING, BROWSING AND PURCHASING OF GROUPS OF MEDIA ITEMS**

(75) Inventors: **Payam Mirrashidi**, San Francisco, CA (US); **Ellis M. Verosub**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 695 days.

5,481,509 A	1/1996	Knowles	
5,504,852 A	4/1996	Thompson-Rohrlich	
5,559,945 A	9/1996	Beaudet et al.	
5,561,604 A	10/1996	Buckley et al.	
5,566,353 A	10/1996	Cho et al.	
5,583,993 A	12/1996	Foster et al.	
5,587,404 A	12/1996	Kroner et al.	
5,616,876 A *	4/1997	Cluts	84/609
5,633,839 A	5/1997	Alexander et al.	
5,640,566 A	6/1997	Victor et al.	
5,666,530 A	9/1997	Clark et al.	
5,710,922 A	1/1998	Alley et al.	
5,714,971 A	2/1998	Shalit et al.	

(Continued)

(21) Appl. No.: **11/115,090**

(22) Filed: **Apr. 25, 2005**

(65) **Prior Publication Data**
US 2005/0278377 A1 Dec. 15, 2005

(51) **Int. Cl.**
G06F 17/30 (2006.01)

(52) **U.S. Cl.** **707/626**

(58) **Field of Classification Search** 707/1, 707/2, 7, 104.1, 10, 626; 705/51; 84/609
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,990,710 A	11/1976	Hughes
4,528,643 A	7/1985	Freeny, Jr.
4,851,931 A	7/1989	Parker et al.
5,168,481 A	12/1992	Culbertson et al.
5,181,107 A	1/1993	Rhoades
5,191,573 A	3/1993	Hair
5,341,350 A	8/1994	Frank et al.
5,355,302 A	10/1994	Martin et al.
5,418,713 A	5/1995	Allen
5,428,735 A	6/1995	Kahl et al.

FOREIGN PATENT DOCUMENTS

EP 0 917 077 5/1999

(Continued)

OTHER PUBLICATIONS

"Apple Announces iTunes 2," Press Release, Apple Computer, Inc., Oct. 23, 2001.

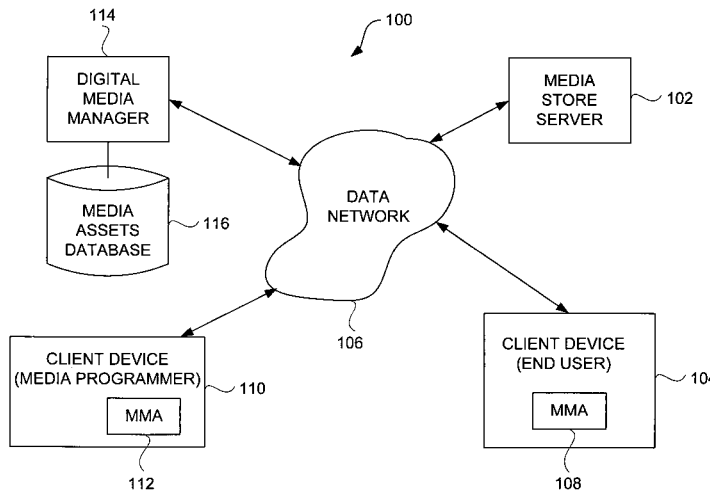
(Continued)

Primary Examiner—Etienne P LeRoux

(57) **ABSTRACT**

Improved techniques to create, browse and/or purchase media asset groups are disclosed. Media assets groups can be created by various persons and published to a digital assets manager. Thereafter, the media assets groups can be finalized and made available for on-line purchase. Once the media asset groups are made available for on-line purchase, users can browse and/or purchase the media asset groups at an on-line media store. One example of a media asset group (group of media items) is known as a playlist, which can pertain to a group of audio tracks.

37 Claims, 17 Drawing Sheets



U.S. PATENT DOCUMENTS						
			6,933,433	B1 *	8/2005	Porteus et al. 84/615
5,721,949	A	2/1998	6,941,324	B2	9/2005	Plastina et al.
5,726,909	A	3/1998	6,978,127	B1	12/2005	Bulthuis et al.
5,727,202	A	3/1998	6,987,221	B2	1/2006	Platt
5,734,823	A	3/1998	7,043,477	B2 *	5/2006	Mercer et al. 707/7
5,739,451	A	4/1998	7,055,165	B2	5/2006	Connelly
5,740,134	A	4/1998	7,111,009	B1	9/2006	Gupta et al.
5,819,160	A	10/1998	7,117,516	B2	10/2006	Khoo et al.
5,835,721	A	11/1998	7,126,770	B1	10/2006	Arai et al.
5,835,732	A	11/1998	7,209,633	B1	4/2007	Novak et al.
5,845,282	A	12/1998	7,228,298	B1	6/2007	Raines
5,864,868	A	1/1999	2001/0004310	A1	6/2001	Kono
5,875,110	A	2/1999	2001/0011308	A1	8/2001	Clark et al.
5,897,642	A	4/1999	2001/0021053	A1	9/2001	Colbourne et al.
5,918,213	A	6/1999	2001/0041021	A1	11/2001	Boyle et al.
5,918,303	A	6/1999	2001/0044835	A1	11/2001	Schober et al.
5,923,757	A	7/1999	2001/0048642	A1	12/2001	Berhan
5,925,843	A	7/1999	2001/0052123	A1	12/2001	Kawai
5,963,916	A	10/1999	2002/0002413	A1	1/2002	Tokue
5,969,283	A	10/1999	2002/0010788	A1	1/2002	Nathan et al.
5,983,069	A	11/1999	2002/0013784	A1	1/2002	Swanson
5,995,098	A *	11/1999	2002/0016968	A1	2/2002	Nathan et al.
6,000,000	A	12/1999	2002/0046315	A1	4/2002	Miller et al.
6,006,274	A	12/1999	2002/0055934	A1	5/2002	Lipscomb et al.
6,038,199	A	3/2000	2002/0073167	A1	6/2002	Powell et al.
6,041,023	A	3/2000	2002/0080180	A1	6/2002	Mander et al.
6,052,797	A	4/2000	2002/0116082	A1	8/2002	Gudorf
6,061,306	A	5/2000	2002/0118300	A1	8/2002	Middleton et al.
6,125,369	A	9/2000	2002/0133515	A1	9/2002	Kagle et al.
6,172,948	B1	1/2001	2002/0138606	A1	9/2002	Robison
6,208,044	B1	3/2001	2002/0161865	A1	10/2002	Nguyen
6,216,131	B1	4/2001	2002/0174269	A1	11/2002	Spurgat et al.
6,243,328	B1	6/2001	2002/0194309	A1	12/2002	Carter et al.
6,243,725	B1	6/2001	2003/0013493	A1	1/2003	Irimajiri et al.
6,247,135	B1	6/2001	2003/0014767	A1	1/2003	Stumphauzer
6,248,946	B1 *	6/2001	2003/0030733	A1	2/2003	Seaman et al.
6,255,961	B1	7/2001	2003/0037254	A1	2/2003	Fischer et al.
6,272,545	B1	8/2001	2003/0046434	A1	3/2003	Flanagin et al.
6,283,764	B2	9/2001	2003/0050058	A1	3/2003	Walsh et al.
6,295,541	B1	9/2001	2003/0055723	A1	3/2003	English
6,332,175	B1	12/2001	2003/0074457	A1	4/2003	Kluth
6,341,316	B1	1/2002	2003/0079038	A1	4/2003	Robbin et al.
6,356,971	B1	3/2002	2003/0093340	A1	5/2003	Krystek et al.
6,380,947	B1	4/2002	2003/0098893	A1	5/2003	Makinen
6,389,467	B1	5/2002	2003/0112279	A1	6/2003	Irimajiri
6,407,750	B1	6/2002	2003/0149628	A1 *	8/2003	Abbosh et al. 705/16
6,434,680	B2	8/2002	2003/0167318	A1	9/2003	Robbin et al.
6,446,080	B1	9/2002	2003/0182315	A1	9/2003	Plastina et al.
6,452,609	B1	9/2002	2003/0191756	A1	10/2003	Oh
6,453,281	B1	9/2002	2003/0206203	A1	11/2003	Ly
6,490,432	B1	12/2002	2003/0210821	A1	11/2003	Yogeshwar et al.
6,493,758	B1	12/2002	2003/0221541	A1	12/2003	Platt
6,523,124	B1	2/2003	2004/0001395	A1	1/2004	Keller et al.
6,529,804	B1	3/2003	2004/0001396	A1	1/2004	Keller et al.
6,563,769	B1	5/2003	2004/0017997	A1	1/2004	Cowgill
6,587,403	B1	7/2003	2004/0027930	A1	2/2004	Kudo
6,587,404	B1	7/2003	2004/0055446	A1	3/2004	Robbin et al.
6,621,768	B1	9/2003	2004/0076086	A1	4/2004	Keller
6,636,873	B1	10/2003	2004/0083480	A1	4/2004	Dodge
6,664,981	B2	12/2003	2004/0093274	A1 *	5/2004	Vanska et al. 705/26
6,665,803	B2	12/2003	2004/0103102	A1	5/2004	Nelson
6,718,348	B1	4/2004	2004/0113915	A1 *	6/2004	Ohtsuki et al. 345/582
6,721,489	B1	4/2004	2004/0123725	A1	7/2004	Kim
6,731,312	B2	5/2004	2004/0128277	A1	7/2004	Mander et al.
6,760,721	B1	7/2004	2004/0139180	A1	7/2004	White et al.
6,763,345	B1	7/2004	2004/0148358	A1	7/2004	Singh et al.
6,779,019	B1	8/2004	2004/0205028	A1 *	10/2004	Verosub et al. 705/59
6,785,542	B1	8/2004	2004/0225762	A1	11/2004	Poo
6,794,566	B2	9/2004	2004/0261064	A1	12/2004	Goldstein et al.
6,801,964	B1	10/2004	2005/0055718	A1 *	3/2005	Stone 725/61
			2005/0060264	A1 *	3/2005	Schrock et al. 705/51

2005/0235015	A1	10/2005	Abanami et al.
2005/0240494	A1	10/2005	Cue et al.
2005/0240661	A1	10/2005	Heller et al.
2005/0249080	A1	11/2005	Foote et al.
2005/0262528	A1	11/2005	Herley
2005/0267803	A1	12/2005	Patel et al.
2006/0036567	A1	2/2006	Tan
2006/0100978	A1	5/2006	Heller et al.
2006/0163358	A1	7/2006	Biderman
2006/0168340	A1	7/2006	Heller et al.
2008/0256378	A1	10/2008	Guillorit

FOREIGN PATENT DOCUMENTS

EP	0 982 732	3/2000
EP	1 028 425	8/2000
JP	2000-339917	12/2000
JP	2001-93226	4/2001
JP	2001-117800	4/2001
WO	WO 01/33569	6/1995
WO	WO 95/16950	6/1995
WO	WO 01/67753	9/2001
WO	WO 02/25610	3/2002
WO	WO 03/023786	3/2003
WO	WO 2004/084413	9/2004
WO	2005073856 A2	8/2005

OTHER PUBLICATIONS

"Apple Introduces iTunes—World's Best and Easiest To Use Jukebox Software," Macworld Expo, San Francisco, Jan. 9, 2001.

"Apple's iPod Available in Stores Tomorrow," Press Release, Apple Computer, Inc., Nov. 9, 2001.

"Hewlett Packard Jornada 525 Color Pocket PC," downloaded Jan. 25, 2002, http://www.pc4d.com/electronics/products/56/jornada_525_color_pocket_pc.shtml.

"Nomad Jukebox," User Guide, Creative Technology Ltd., Version 1, Aug. 2000.

"Replay Gain—A proposed standard," Oct. 7, 2001, from <http://replaygain.hydrogenaudio.org/index.html> and <http://replaygain.hydrogenaudio.org/outline.html>.

"SoundJam MP Plus Manual, version 2.0"—MP3 Player and Encoder for Macintosh by Jeffrey Robbin, Bill Kincaid and Dave Heller, manual by Tom Negrino, published by Casady & Greene, Inc., 2000.

"About MusicMatch Jukebox," MusicMatch Jukebox v4 Help, pp. 1-4.

"iTunes Celebrates Its First Anniversary; Over 70 Million Songs Purchased," Apr. 28, 2004, <http://www.apple.com/pr/library/2004/apr/28itunes.html>.

"Rio Portable Music Player," Independent Web Review, downloaded Jan. 25, 2002, <http://www.webreviews.com/9901/rio.html>.

Birrell, Andrew, "Personal Jukebox (PJB)," Oct. 13, 2000, <http://birrell.org/andrew/talks/pjb-overview.ppt>.

Breen, Christopher, "iMixing it Up: Sharing Your Sounds," Sep. 17, 2004, <http://playlistmag.com/help/2004/09/imixhowto/index.php>.

Bridgman, "Windows XP Expert Zone Community Columnist", Using Windows Mobil-based Portable Media Centers and Windows Media Player 10, Aug. 25, 2004, 1-11.

Butler, Travis, "Archos Jukebox 6000 Challenges Nomad Jukebox," Aug. 13, 2001, <http://db.tidbits.com/getbits.acgi?tbart=06521>.

Butler, Travis, "Portable MP3: The Nomad Jukebox," Jan. 8, 2001, <http://db.tidbits.com/getbits.acgi?tbart=06261>.

Chakarova et al., "Digital Still Cameras—Downloading Images to a Computer," Multi-Media Reporting and Convergence, 2 pgs.

Compaq Computer Corp., copyright 1991, Personal Jukebox User Manual, pp. 1-29.

Compaq, "Personal Jukebox," Jan. 24, 2001, <http://research.compaq.com/SRC/pjb/>.

De Herrera, Chris, "Microsoft ActiveSync 3.1," Version 1.02, Oct. 13, 2000.

Fleishman, Glenn, "Handheld iPod joins MP3 band a bit late, but is standout player," Nov. 6, 2001, http://seattletimes.nwsource.com/html/business/technology/134361811_ptnacc040.html.

Handbook for Palm™ m500 Series Handhelds, User Manual.

IEEE 1394—Wikipedia, 1995, <http://www.wikipedia.org/wiki/Firewire>.

iTunes 2, Playlist Related Help Screens, iTunes v2.0, Apple Computer, Inc., Oct. 23, 2001.

iTunes, Digital Music for your Mac, Apple Computer, Inc., downloaded Oct. 22, 2001, <http://www.apple.com/itunes/>.

iTunes, Playlist Related Help Screens, iTunes v1.0, Apple Computer, Inc., Jan. 2001.

Kawamoto et al., "On 1st Birthday, iTunes Unwraps New Features," Apr. 28, 2004, http://news.com.com/On+1st+birthday,+iTunes+unwraps+new+features/2100-1027_3-5201598.html.

Lindauer, Andy, "What's in your Pocket?," Edgereview, downloaded Jan. 25, 2002, <http://www.edgereview.com/print.cfm?Type=aag&ID=286>.

Lyra, Personal Digital Player, RCA, Product Box.

Miniman, "Applian Software's Replay Radio and Player v1.02," Product review, pocketnow.com, <http://www.pocketnow.com/reviews/replay/replay.htm>, Jul. 31, 2001.

Musicmatch, "Musicmatch and Xing Technology Introduce Musicmatch Jukebox," May 18, 1998, <http://www.musicmatch.com/info/company/press/releases/?year=1998&release=2>.

RCA Lyra User's Guide, RD2201/2202/2204, www.lyrazone.com, pp. 1-37.

RealJukebox Plus Manual, Real Networks, Inc., copyright 1999, pp. 1-83.

RealJukebox, Real Networks, Inc., webpages downloaded Oct. 27, 2005 http://www.real.com/Jukebox/release_notes.html#.

Sinitzyn, "A Synchronization Framework for Personal Mobile Servers," Proceedings of the Second IEEE Annual Conference on Pervasive Computing and Communications Workshops, Piscataway, NJ, Mar. 14, 2004, pp. 1-4.

SoundJam MP Plus, Representative Screens, published by Casady & Greene, Inc., Salinas, CA, 2000.

Specification Sheet, iTunes 2, Apple Computer, Inc., Oct. 31, 2001.

Steinberg, "Sonicblue Rio Car," Product Review, Dec. 12, 2000, <http://electronics.cnet.com/electronics/0-6342420-1304-4098389.html>.

TuneBase 100 User Guide, A CD Library Management System, Escient, Inc. copyright 1999.

TuneBase Pro Mk-II User's Guide, Escient, Inc.

U.S. Appl. No. 10/198,639, filed Jul. 16, 2002.

U.S. Appl. No. 10/833,399, filed Apr. 27, 2004.

U.S. Appl. No. 10/833,879, filed Apr. 27, 2004.

U.S. Appl. No. 10/936,233, filed Sep. 7, 2004.

U.S. Appl. No. 10/973,925, filed Oct. 25, 2004.

U.S. Appl. No. 11/097,034, filed Apr. 1, 2005.

U.S. Appl. No. 11/097,591, filed Apr. 1, 2005.

U.S. Appl. No. 11/138,004, filed May 25, 2005.

U.S. Appl. No. 11/114,914, filed Apr. 25, 2005.

U.S. Appl. No. 11/454,060, filed Jun. 14, 2006.

Vetro et al., "Media Conversions to Support Mobile Users," IEEE Canadian Conference on Electrical and Computer Engineering, Piscataway, NJ, May 13, 2001, pp. 607-612.

Window's Media Player 6.4, Microsoft Corp., copyright 1999, software available at <http://www.oldversion.com/program.php?n=wmp>

See also Windows Media Player 6.4 Software Official website at <http://www.microsoft.com/windows/windowsmedia/player/version64/default.aspx>.

Zheng et al., "MobiGATE: a mobile gateway proxy for the active deployment of transport entities," Proceedings of the 2004 International Conference on Parallel Processing, Piscataway, NJ, Aug. 15, 2004.

PBS Local Insertion Server Instruction Manual, Microvision, Inc., pp. 1-71, Jun. 19, 1996.

Wave Station Digital Audio Automation System, Instruction &

- Nielsen et al., "Comparative Design Review: An Exercise in Parallel Design", INTERCHI '93, pp. 414-417 Apr. 24-29, 1993.
- Lowery Daryl, "Random-Access Digital Audio—Recording Systems", pp. 68-71, Jun. 1992.
- Sadie Master System, Product Brochure, Studio audio Digital Equipment Inc., 2 pgs.
- RCS Works-Cart Wall User's Guide and Reference Manual, pp. 1-83, Feb. 7, 1993.
- "Digital Audio Just Got Easier!", CartWorks Digital Audio Systems, dbm Systems, Inc.
- "CartWorks File Utilities User's Manual", dbm Systems, Inc., pp. 1-8.
- "CartWorks MHD Music-on-Hard-Drive QuickSchedule User's Manual", dbm Systems, Inc., pp. 1-8, Feb. 8, 1998.
- "CartWorks MHD Music-on-Hard-Drive User's Manual V6.8", dbm Systems, Inc., pp. 1-11.
- "CartWorks On-Demand Editor User's Manual", dbm Systems, Inc., pp. 1-7.
- "CartWorks Script Editor User's Manual v3.12", dbm Systems, Inc., pp. 1-26.
- "CartWorks Spot Set Editor User's Manual", dbm Systems, Inc., pp. 1-11.
- "The DADpro Digital Audio Delivery System Operation Manual Version 1.0", IBM Corp., pp. 1-424, Aug. 30, 1996.
- "Virtual Recorder—Basic Operations", ASC Audio Video Corporation, pp. 1-94, Sep. 9, 1996.
- "Broadcast Tools: SpotBase, Playlist & TapeBase", ASC Audio Video Corporation, pp. 1-2.
- "VR 300 Advanced Broadcast Video Server", ASC Audio Video Corporation, pp. 1-9.
- "VR300 Video Server User Manual, Version 1.0", ASC Audio Video Corporation, pp. 1-40, Mar. 20, 1998.
- "Gravis WinDecks Version 1.12", screen shots, Gravis Computer Technology Ltd., pp. 1-10.
- WinDecks, User Instructions, Gravis Computer Technology Ltd., pp. 1-14.
- Iriver, "PMP140/120", Sep. 13, 2004, 1-2 pgs.
- MG-25, Portable MPEG4 Player (MG-25), Jul. 29, 2004, 1-3 pgs.
- Windows XP Service Pack 2, Figures 1-2 and "How to obtain the latest Windows XP service pack," Aug. 25, 2004.
- Mabini. MemMaid Review. Pocket PC Dubai, Jul. 23, 2004[online], [retrieved on Mar. 26, 2008]. Retrieved from the Internet <URL: http://www.pocketpcdubai.com/DinarSoft/memmaid_review.html>.
- Torrone, Phillip, How-To: Getting Podcasts on a Portable Media Center (and other Windows Media Devices, Oct. 2004.

* cited by examiner

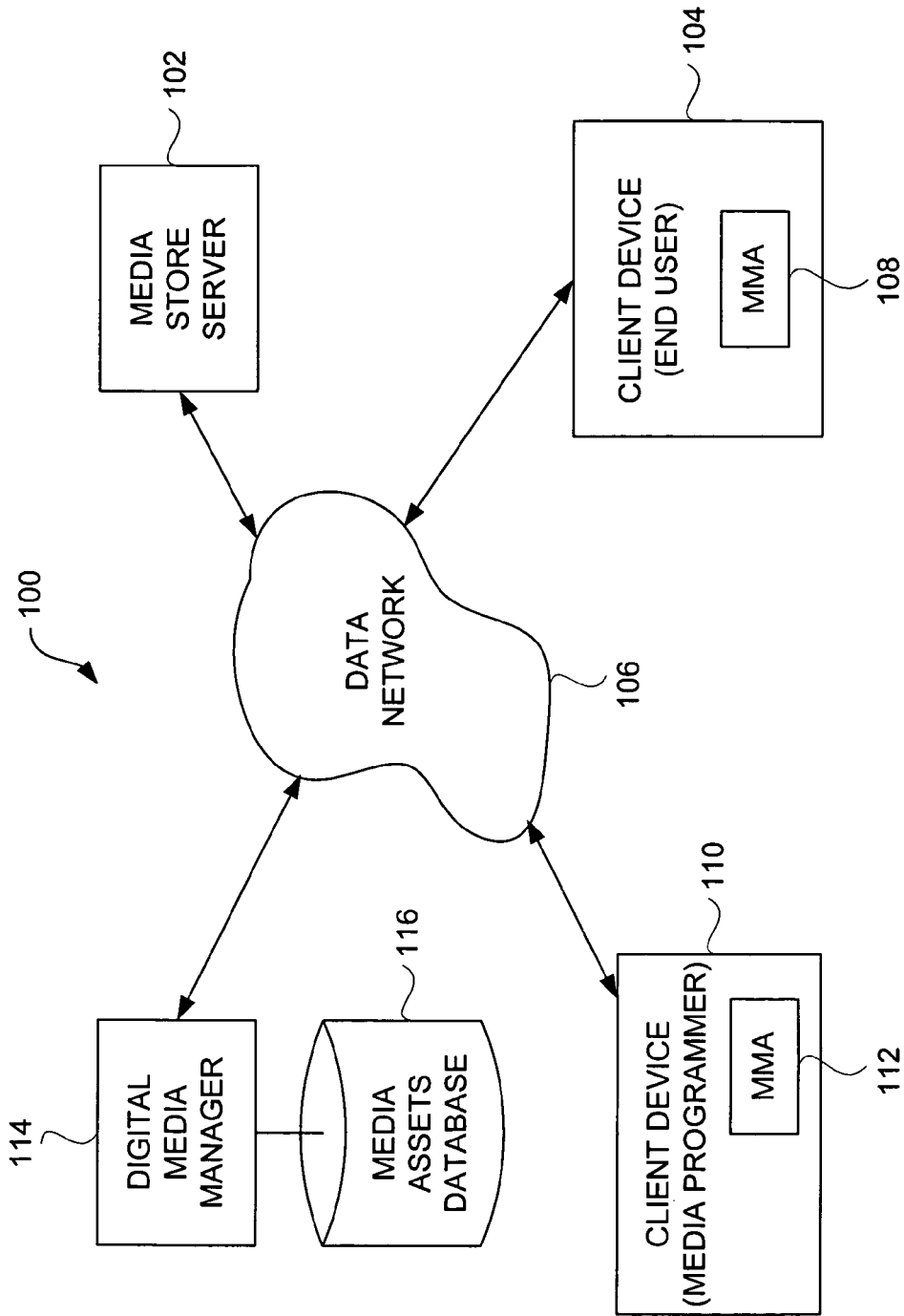


FIG. 1

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.