

# **EXHIBIT 1001**

**TO PETITIONER GOOGLE INC.'S  
PETITION FOR COVERED BUSINESS  
METHOD REVIEW OF  
U.S. PATENT NO. 8,794,516**



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

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(54) **DATA STORAGE AND ACCESS SYSTEMS**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**  
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,200,770 A 4/1980 Hellman et al.  
4,218,582 A 8/1980 Hellman et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2294721 12/1998  
EP 0159539 B1 9/1990

(Continued)

OTHER PUBLICATIONS

Decision of Rejection dated Jul. 23, 2013 in Japanese Application No. 2011-066325 (which also claims priority to the same UK priority document as the present application).

(Continued)

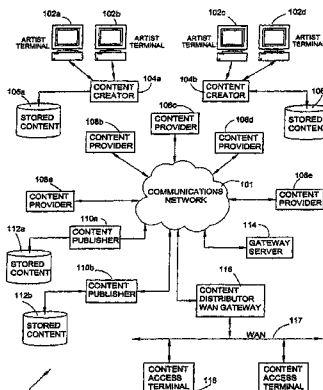
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(57) **ABSTRACT**

Data storage and access systems enable downloading and paying for data such as audio and video data, text, software, games and other types of data. A portable data carrier has an interface for sending and receiving data, data memory for storing received content data, and payment validation memory for providing payment validation data to an external device. The carrier may also store a record of access made to the stored content, and content use rules for controlling access to the stored content. Embodiments store further access control data and supplementary data such as hot links to web sites and/or advertising data. A complementary data access terminal, data supply computer system, and data access device are also described. The combination of payment data and stored content data and use rule data helps reduce the risk of unauthorized access to data such as compressed music and video data, especially over the Internet.

**28 Claims, 17 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

4,272,810	A	6/1981	Gates et al.	5,420,912	A	5/1995	Kopp et al.
4,341,951	A	7/1982	Benton	5,420,927	A	5/1995	Micali
4,367,402	A	1/1983	Giraud et al.	5,426,432	A	6/1995	Sanemitsu
4,405,829	A	9/1983	Rivest et al.	5,442,704	A	8/1995	Holtey
4,424,414	A	1/1984	Hellman et al.	5,457,746	A	10/1995	Dolphin
4,463,387	A	7/1984	Hashimoto et al.	5,497,421	A	3/1996	Kaufman et al.
4,528,643	A	7/1985	Freeny, Jr.	5,509,071	A	4/1996	Petrie, Jr. et al.
4,590,365	A	5/1986	Okada	5,511,000	A	4/1996	Kaloi et al.
4,677,657	A	6/1987	Nagata et al.	5,511,023	A	4/1996	Schrenk
4,697,073	A	9/1987	Hara	5,519,778	A	5/1996	Leighton et al.
4,731,840	A	3/1988	Mniszewski et al.	5,523,794	A	6/1996	Mankovitz et al.
4,755,660	A	7/1988	Nakano	5,530,235	A	6/1996	Stefik
4,757,534	A	7/1988	Matyas et al.	5,532,466	A	7/1996	Konno et al.
4,782,529	A	11/1988	Shima	5,537,475	A	7/1996	Micali
4,796,220	A	1/1989	Wolfe	5,557,541	A	9/1996	Schulhof et al.
4,803,725	A	2/1989	Horne et al.	5,557,679	A	9/1996	Julin et al.
4,809,327	A	2/1989	Shima	5,581,479	A	12/1996	McLaughlin et al.
4,822,984	A	4/1989	Remery et al.	5,588,060	A	12/1996	Aziz
4,825,306	A	4/1989	Robers	5,588,146	A	12/1996	Leroux
4,827,512	A	5/1989	Hirokawa et al.	5,592,664	A	1/1997	Starkey
4,868,687	A	9/1989	Penn et al.	5,604,804	A	2/1997	Micali
4,868,877	A	9/1989	Fischer	5,606,143	A	2/1997	Young
4,878,245	A	10/1989	Bradley et al.	5,606,617	A	2/1997	Brands
4,878,246	A	10/1989	Pastor et al.	5,610,774	A	3/1997	Hayashi et al.
4,879,747	A	11/1989	Leighton et al.	5,629,980	A	5/1997	Stefik
4,885,788	A	12/1989	Takaragi et al.	5,634,012	A	5/1997	Stefik
4,887,234	A	12/1989	Iijima	5,636,139	A	6/1997	McLaughlin et al.
4,905,163	A	2/1990	Garber et al.	5,636,276	A	6/1997	Brugger
4,910,393	A	3/1990	Gercekci et al.	5,638,443	A	6/1997	Stefik
4,926,479	A	5/1990	Goldwasser et al.	5,646,992	A	7/1997	Subler et al.
4,944,006	A	7/1990	Citta et al.	5,646,998	A	7/1997	Stambler
4,959,788	A	9/1990	Nagata et al.	5,649,187	A	7/1997	Hornbuckle
4,968,873	A	11/1990	Dethloff et al.	5,664,228	A	9/1997	Mital
4,995,082	A	2/1991	Schnorr	5,666,420	A	9/1997	Micali
4,999,806	A	3/1991	Chernow et al.	5,673,316	A	9/1997	Auerbach et al.
5,005,200	A	4/1991	Fischer	5,675,734	A	10/1997	Hair
5,103,392	A	4/1992	Mori	5,677,953	A	10/1997	Dolphin
5,122,643	A	6/1992	Gamou et al.	5,682,027	A	10/1997	Bertina et al. .... 235/380
5,126,541	A	6/1992	Shinagawa	5,686,714	A	11/1997	Abe et al.
5,130,792	A	7/1992	Tindell et al.	5,687,398	A	11/1997	Martineau
5,140,517	A	8/1992	Nagata et al.	5,703,951	A	12/1997	Dolphin
5,148,432	A	9/1992	Gordon et al.	5,706,347	A	1/1998	Burke et al.
5,159,634	A	10/1992	Reeds, III	5,710,887	A	1/1998	Chelliah et al.
5,185,798	A	2/1993	Hamada et al.	5,715,403	A	2/1998	Stefik
5,191,573	A	3/1993	Hair	5,737,571	A	4/1998	Fukuzumi
5,200,600	A	4/1993	Shinagawa	5,740,369	A	4/1998	Yokozawa et al.
5,212,369	A	5/1993	Karlisch et al.	5,744,787	A	4/1998	Teicher
5,214,702	A	5/1993	Fischer	5,745,574	A	4/1998	Muftic
5,220,604	A	6/1993	Gasser et al.	5,754,654	A	5/1998	Hiroya et al.
5,224,163	A	6/1993	Gasser et al.	5,763,869	A	6/1998	Moll et al.
5,224,166	A	6/1993	Hartman, Jr.	5,765,152	A	6/1998	Erickson
5,226,145	A	7/1993	Moronaga et al.	5,790,423	A	8/1998	Lau
5,247,163	A	9/1993	Ohno et al.	5,794,202	A	8/1998	Kim
5,252,812	A	10/1993	Nakamura	5,796,841	A	8/1998	Cordery et al.
5,260,788	A	11/1993	Takano et al.	5,802,325	A	9/1998	Le Roux
5,261,002	A	11/1993	Perlman et al.	5,809,241	A	9/1998	Hanel et al.
5,276,901	A	1/1994	Howell et al.	5,825,875	A	10/1998	Ugon
5,276,903	A	1/1994	Shinagawa	5,825,882	A	10/1998	Kowalski et al.
5,283,885	A	2/1994	Hollerbauer	5,841,979	A	11/1998	Schulhof et al.
5,285,055	A	2/1994	Oonakahara et al.	5,844,281	A	12/1998	Kawan et al.
5,293,424	A	3/1994	Holtey et al.	5,845,201	A	12/1998	Funke et al.
5,315,658	A	5/1994	Micali	5,845,281	A	12/1998	Benson et al.
5,319,705	A	6/1994	Halter et al.	5,847,372	A	12/1998	Kreft
5,347,580	A	9/1994	Molva et al.	5,856,699	A	1/1999	Drupsteen et al.
5,349,649	A	9/1994	Iijima	5,864,620	A	1/1999	Pettitt
5,355,302	A	10/1994	Martin et al.	5,874,760	A	2/1999	Burns et al.
5,365,047	A	11/1994	Yamaguchi	5,889,860	A	3/1999	Eller et al.
5,367,150	A	11/1994	Kitta et al.	5,892,900	A	4/1999	Ginter et al.
5,369,705	A	11/1994	Bird et al.	5,892,975	A	4/1999	Barnes
5,371,794	A	12/1994	Diffie et al.	5,896,507	A	4/1999	Martineau
5,379,344	A	1/1995	Larsson et al.	5,901,330	A	5/1999	Sun et al.
5,388,211	A	2/1995	Hornbuckle	5,911,031	A	6/1999	Lee
5,401,945	A	3/1995	Buschmann et al.	5,915,019	A	6/1999	Ginter
				5,915,025	A	6/1999	Taguchi et al.
				5,918,213	A	6/1999	Bernard et al.
				5,923,884	A	7/1999	Peyret et al.
				5,925,127	A	7/1999	Ahmad

(56)

References Cited

U.S. PATENT DOCUMENTS

5,936,220 A 8/1999 Hoshino et al.  
 5,942,738 A 8/1999 Cesaire et al.  
 5,943,423 A 8/1999 Muftic  
 5,960,082 A 9/1999 Haenel  
 5,963,980 A 10/1999 Coulier et al.  
 5,982,891 A 11/1999 Ginter et al.  
 5,982,892 A 11/1999 Hicks et al.  
 5,991,399 A 11/1999 Graunke et al.  
 5,995,965 A 11/1999 Experton  
 5,999,629 A 12/1999 Heer et al.  
 6,003,113 A 12/1999 Hoshino  
 6,005,942 A 12/1999 Chan et al.  
 6,012,634 A 1/2000 Brogan et al.  
 6,018,720 A 1/2000 Fujimoto  
 6,025,973 A 2/2000 Mizoshita et al.  
 6,032,857 A 3/2000 Kitagawa et al.  
 6,055,314 A 4/2000 Spies  
 6,064,739 A 5/2000 Davis  
 6,078,917 A 6/2000 Paulsen et al.  
 6,098,056 A 8/2000 Rusnak et al.  
 6,119,945 A 9/2000 Muller et al.  
 6,142,369 A 11/2000 Jonstromer  
 6,170,060 B1 1/2001 Mott et al.  
 6,202,056 B1 3/2001 Nuttall  
 6,223,291 B1 4/2001 Puhl et al.  
 6,226,618 B1 5/2001 Downs et al.  
 6,275,936 B1 8/2001 Kyojima et al.  
 6,282,653 B1 8/2001 Berstis et al.  
 6,314,409 B2 11/2001 Schneck et al.  
 6,367,019 B1 4/2002 Ansell et al.  
 6,385,596 B1 5/2002 Wisner et al.  
 6,385,731 B2 5/2002 Ananda  
 6,389,538 B1 5/2002 Downs et al.  
 6,415,156 B1 7/2002 Stadelmann  
 6,424,975 B1 7/2002 Walter et al.  
 6,434,535 B1 8/2002 Kupka et al.  
 6,442,570 B1 8/2002 Wu  
 6,449,684 B1 9/2002 MacSmith et al.  
 6,473,794 B1 10/2002 Guheen et al.  
 6,473,829 B1 10/2002 Dahman et al.  
 6,476,306 B2 11/2002 Huopaniemi et al.  
 6,510,236 B1 1/2003 Crane et al.  
 6,519,241 B1 2/2003 Theimer  
 6,532,518 B2 3/2003 MacSmith et al.  
 6,552,254 B2 4/2003 Hasegawa et al.  
 6,553,413 B1 4/2003 Leighton et al.  
 6,554,192 B2 4/2003 Tingl  
 6,574,643 B2 6/2003 Walter et al.  
 6,658,568 B1 12/2003 Ginter et al.  
 6,697,944 B1 2/2004 Jones et al.  
 6,697,948 B1 2/2004 Rabin et al.  
 6,721,749 B1 4/2004 Najm et al.  
 6,747,930 B1 6/2004 Weldon et al.  
 6,829,711 B1 12/2004 Kwok et al.  
 6,880,761 B1 4/2005 Ritter et al.  
 6,981,179 B1 12/2005 Shigemasa et al.  
 6,993,507 B2 1/2006 Meyer et al.  
 6,999,936 B2 2/2006 Sehr  
 7,000,836 B2 2/2006 Saeki  
 7,043,456 B2 5/2006 Lindskog et al.  
 7,044,362 B2 5/2006 Yu  
 7,083,081 B2 8/2006 McGee et al.  
 7,191,153 B1 3/2007 Braitberg et al.  
 7,225,160 B2 5/2007 Stefik et al.  
 7,233,948 B1 6/2007 Shamoon et al.  
 7,249,382 B2 7/2007 Kawell, Jr. et al.  
 7,263,497 B1 8/2007 Wisner et al.  
 7,315,829 B1 1/2008 Tagawa et al.  
 7,334,720 B2 2/2008 Hulst et al.  
 7,523,072 B2 4/2009 Stefik et al.  
 7,636,691 B2 12/2009 Maari  
 7,677,446 B2 3/2010 Wise  
 7,942,317 B2 5/2011 Racz et al.

8,118,221 B2 2/2012 Racz  
 8,336,772 B2 12/2012 Racz  
 2002/0032059 A1 3/2002 Sugimura  
 2003/0163594 A1 8/2003 Aasheim et al.  
 2003/0168515 A1 9/2003 Gray  
 2006/0179211 A1 8/2006 Aasheim et al.  
 2006/0249570 A1 11/2006 Seifert et al.  
 2007/0162300 A1 7/2007 Roever et al.  
 2008/0041938 A1 2/2008 Wise  
 2008/0314974 A1 12/2008 Hulst et al.

FOREIGN PATENT DOCUMENTS

EP 0 195 098 10/1990  
 EP 0275510 B1 10/1992  
 EP 0162221 B1 11/1992  
 EP 0 713 198 A2 5/1996  
 EP 0354793 B1 10/1996  
 EP 0809221 11/1997  
 EP 0819287 B1 1/1998  
 EP 0 823 694 A1 2/1998  
 EP 0328289 B2 3/1998  
 EP 0536792 B1 3/1998  
 EP 0 542 298 4/1998  
 EP 0 843 449 A2 5/1998  
 EP 0 914 001 A1 5/1999  
 EP 0913789 A2 5/1999  
 EP 0949595 A2 10/1999  
 EP 1003135 A1 5/2000  
 EP 1004992 A2 5/2000  
 GB 2082816 A 3/1982  
 GB 2092353 B 3/1982  
 GB 2107500 B 9/1985  
 GB 2274009 B 9/1985  
 GB 2204973 A 11/1988  
 JP 59-195391 11/1984  
 JP 3-73481 3/1991  
 JP 10-269289 10/1998  
 JP 10-269291 A 10/1998  
 JP 11-53184 A 2/1999  
 JP 11-164058 6/1999  
 JP 11-212785 A 8/1999  
 JP 11-213010 A 8/1999  
 JP 11-272762 A 10/1999  
 WO 9527955 10/1995  
 WO 9619771 6/1996  
 WO 9625724 8/1996  
 WO 97/02548 1/1997  
 WO 9809257 3/1998  
 WO 98/19237 A1 5/1998  
 WO 9819237 5/1998  
 WO 9825238 6/1998  
 WO 98/33343 7/1998  
 WO 9833343 7/1998  
 WO 98/37526 8/1998  
 WO 9837526 8/1998  
 WO 9843212 10/1998  
 WO 9852152 11/1998  
 WO 9852153 11/1998  
 WO 9852158 11/1998  
 WO 9852159 11/1998  
 WO 9852160 11/1998  
 WO 9852161 11/1998  
 WO 9852162 11/1998  
 WO 9852163 11/1998  
 WO 9922516 5/1999  
 WO 99/43136 8/1999  
 WO 9946682 9/1999  
 WO 9946727 9/1999  
 WO 9948250 9/1999  
 WO 9962210 12/1999  
 WO 01/31599 5/2001

OTHER PUBLICATIONS

Smartflash LLC v. Apple Inc., Civil Action 6:13-CV-00447-MHS-KNM, Subpoena to Testify.

(56)

**References Cited**

## OTHER PUBLICATIONS

*Smartflash LLC v. Apple Inc.*, Civil Action 6:13-CV-00447-MHS-KNM, Subpoena to Testify, May 2013.

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00102 (U.S. Pat. No. 8,118,221), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00103 (U.S. Pat. No. 8,118,221), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00104 (U.S. Pat. No. 7,334,720), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00105 (U.S. Pat. No. 7,334,720), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00106 (U.S. Pat. No. 8,033,458), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00107 (U.S. Pat. No. 8,033,458), dated Mar. 31, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00108 (U.S. Pat. No. 8,061,598), dated Apr. 1, 2014 (including Declarations).

Apple Inc.'s Petition for Covered Business Method Patent Review in CBM2014-00109 (U.S. Pat. No. 8,061,598), dated Apr. 1, 2014 (including Declarations).

Eberhard von Faber, Robert Hammelrath, and Franz-Peter Heider, "The Secure Distribution of Digital Contents," IEEE (1997).

About MultiMedia Cards (<http://www.mmca.org/whatisa.htm>), dated Apr. 23, 1999.

Actiontec to Deploy Wave Systems' EMBASSY E-Commerce Technology in Home Networking and Modem Cards, May 11, 1999.

Aladdin and Wave Complete Security Technology Integration, Jan. 27, 1998.

Amendment 1 to SDMI Portable Device Specification, Part I, Version 1.0, Sep. 1999.

An introduction to BPI statistics—Printed on Jun. 27, 2000.

Answers to Frequently Asked Questions About Smart Cards, 1996.

Atmel and Wave Systems Corp. Partner to Provide Advanced "E-Commerce on a Chip" Solution, May 10, 1999.

Automatic Fare Collection ([http://www.oti.co.il/automatic\\_fare\\_collection.html](http://www.oti.co.il/automatic_fare_collection.html)), printed Jan. 5, 2000.

Breakthrough for E-Commerce Over DTV Proven in Test with New Jersey Public Television, Mar. 28, 2000.

Capital Broadcasting Unit, DTV Plus & WaveXpress Form Strategic Partnership to Explore & Deliver Broadcast E-commerce, Mar. 30, 2000.

ChipCASH: Making stored value work, printed Aug. 18, 2000.

Creative Nomad World (<http://www.nomadworld.com/products/welcome.html>), printed on Nov. 22, 1999.

Creative Secures MP3 Player, Nov. 12, 1999.

Creative Technologies Chooses Wave Systems Corp. For Micro-Transaction Selling and Purchasing, dated Mar. 12, 1997.

Creative Unveils Next Generation Portable Digital Audio Player, Oct. 6, 1999.

Cyber-COMM Frequently Asked Questions (FAQ), printed Apr. 27, 2000.

Cyber-COMM Selects Wave Systems to Provide Trusted E-Commerce Infrastructure in Europe, Sep. 29, 1999.

Digital Rights Management—Printed on Oct. 17, 2000.

E-Commerce: Companies 'not investing enough', Oct. 14, 1999.

Electronic Purse ([http://www.oti.co.il/electronic\\_purse.html](http://www.oti.co.il/electronic_purse.html)), printed Jan. 5, 2000.

Empag car—Printed on Nov. 22, 1999.

Emphasis on Internet ID and Authentication Central to the Smart Card Forum Strategic Direction for 2000, Sep. 22, 1999.

Ericsson demonstrates plug-in MP3 player for mobile phones at Telecom 99 (<http://www.mmca.org/Press/ericsson-mp3.htm>), Oct. 9, 1999.

FAQ for alt.technology.smartcards (<http://www.ioc.ee/atsc/faq.html>), printed on Nov. 30, 2000.

Flash and EEPROM: the never-ending tradeoff—Aug. 1997.

Flash Card Market Will Boom to \$1.3 Billion by 2002, Predicts IDC—Dec. 3, 1998.

Frequently Asked Questions (<http://www.scia.org/knowledgebase/aboutSmartCards/faqs.htm>), printed on Nov. 30, 2000.

Gadgets Galore from Comdex (<http://www.wired.com/news/mp3/0,1285,32573,00.html>), Nov. 17, 1999.

GlobalWave—Secure Digital Media Distribution; printed May 15, 2000.

Growing Number of On-Line Users Turn Digital Content Into Cash Using MyPublish from Wave Systems, Feb. 22, 2000.

Heer, D.N.; Maher, D.P.; IEEE Transactions on Consumer Electronics, vol. 41, Issue: 3, 1995, pp. 869-874.

Heer, D.N.; Maher, D.P.; Takahashi, R.; Proceedings of International Conference on Consumer Electronics, 1995, pp. 382-383.

How DRM commerce works (<http://www.intertrust.com/main/technology/howdrmworks.html>)—archived on Oct. 18, 2000.

HP and Wave Systems to Bring Trust and Security to the PC, Oct. 27, 1998.

HP Offers secure PC for ecommerce, available by at least Apr. 27, 2000.

HP, RSA Data Security and Wave Systems to Enable Enhanced Security for E-Mail and Internet Transactions, Jan. 20, 1999.

IBM forays into digital music software, Feb. 8, 1999.

IGST to Incorporate Wave Systems' EMBASSY Technology in Multimedia Chips for Set-Top Boxes, Dec. 2, 1998.

I-Jam's New MP3 Internet Music Player will use SanDisk Multimedia Cards to Download and Store Music—Jun. 14, 1999.

Industry Specific Smart Card Specifications (<http://www.scia.org/knowledgebase/aboutSmartCards/specs.html>), printed on Nov. 30, 2000.

Internet and Smart Card Application Deployment ([http://www.smartcardcentral.com/technical/articles/jsourc/jsourc\\_080999.asp](http://www.smartcardcentral.com/technical/articles/jsourc/jsourc_080999.asp)), archived Aug. 1999.

Internet Audio Portables: A Christmas Buying Guide, printed Jan. 5, 2000.

Intertrust technology—archived on Oct. 18, 2000.

ITE to Embed Wave System Corp.'s Embassy Technology into Integrated Circuits, Nov. 9, 1998.

JazPiper FAQ ([http://www.jazpiper.nl/en\\_ie/faq.htm](http://www.jazpiper.nl/en_ie/faq.htm)), printed on Nov. 22, 1999.

Joint Press Release by Infineon Technologies and Grundig—Aug. 27, 1999.

Joint Press Release by Infineon Technologies and Hitachi—Apr. 22, 1999.

Launch Discover New Music ([http://www.launch.com/music/mymusic/pvn\\_content/0,334900.html](http://www.launch.com/music/mymusic/pvn_content/0,334900.html)), Jan. 4, 2000.

Liquid Audio signs with EMI, Jun. 17, 1999, pp. 1-2.

Major Companies Join Forces to Solve Security, Trust, and Privacy Issues in Electronic Business, Aug. 24, 1999.

Microsoft Ups Commitment to Digital Media (<http://www.billboard.com/sites/archive/00/0526.asp>), May 26, 2000.

Ministry of Sound's Content Library to Become Available to RioPort Audience and Distribution Partners, Nov. 15, 1999.

More popular than Sex (<http://www.wired.com/news/business/0,1367,31834,00.html>), Oct. 14, 1999.

MP3 catalyzing Net music's future, Apr. 27, 1999.

MP3 device makers win key court ruling, Jun. 15, 1999.

MP3: on the road again, Nov. 22, 1999.

MP3s Anywhere You Are (<http://www.wired.com/news/mp3/0,1285,32109,00.html>), Oct. 28, 1999.

MultiMedia Card: The Storage Medium ([http://www.pontis.de/site\\_e/produkte/ca\\_mmc\\_e.htm](http://www.pontis.de/site_e/produkte/ca_mmc_e.htm)), printed Jan. 4, 2000.

Music a la Card ([http://www.mplayer3.com/site\\_e/ho\\_pl\\_e.htm](http://www.mplayer3.com/site_e/ho_pl_e.htm)), printed on Nov. 22, 1999.

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

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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.

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