

US006735623B1

US 6,735,623 B1

May 11, 2004

(12) United States Patent Prust

(54) METHOD AND SYSTEM FOR ACCESSING A REMOTE STORAGE AREA

- (75) Inventor: Mitch Prust, 16244 Ramsey Blvd. NW., Ramsey, MN (US) 55303
- (73) Assignee: Mitch Prust, Saint Paul, MN (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 09/501,039
- (22) Filed: Feb. 9, 2000

DOCKE

- (51) Int. Cl.⁷ G06F 15/16

(56) References Cited

U.S. PATENT DOCUMENTS

5,659,746	Α	*	8/1997	Bankert et al 707/205
5,748,896	Α		5/1998	Daly et al.
5,937,160	Α	*	8/1999	Davis et al 709/203
6,018,774	Α	*	1/2000	Mayle et al 709/250
6,044,205	Α	*	3/2000	Reed et al 709/201
6,072,982	Α	*	6/2000	Haddad 725/93
6,216,168	B1		4/2001	Dev et al.
6,256,666	B1	*	7/2001	Singhal 709/217
6,289,382	B1		9/2001	Bowman-Amuah
6,308,164	B1	*	10/2001	Nummelin et al 705/9
6,311,213	B 2		10/2001	Dawson et al.
6,327,608	B1	*	12/2001	Dillingham 709/203
6,356,863	B1		3/2002	Sayle
6,356,941	B1		3/2002	Cohen
6,363,384	B1		3/2002	Cookmeyer, II et al.
6,366,987	B1		4/2002	Tzelnic et al.
6,393,466	B1		5/2002	Hickman et al.
6,397,261	B1	*	5/2002	Eldridge et al 709/217
6,424,996	B1	*	7/2002	Killcommons et al 709/206
6,449,688	B1		9/2002	Peters et al.
6,453,325	B1		9/2002	Cabrera et al.
6,466,978	B1		10/2002	Mukherjee et al.
6,519,612	B1	*	2/2003	Howard et al 707/200

FOREIGN PATENT DOCUMENTS

	0881587 A2	12/1998
	0881587 A3	6/2002
)	WO 94/18634	8/1994
)	WO 98/24025	6/1998

(10) Patent No.:

EP EP

WO

WO

(45) Date of Patent:

OTHER PUBLICATIONS

"Client Application for Integrating a Development Environment with a Web Distributed Authoring (WEBDAV) Server", Research Disclosure, Kenneth mason Publications, Hampshire, GB, NR. 420, Page(s) 578–579, XP000888651, ISSN: 0374–4353, Apr. 1999.

Goals for a configuration management network protocol, Whitehead, E.J., System Configuration Management, 9th International Symposium. SCM–9, Proceedings, Toulouse, France Sep. 5–7, 1999, ISBN: 3–540–66484–X, 18 pages. WebDAV: A Panacea for Collaborative Authoring?, Sussman, D., Siemens Corporate Research, Apr.–Jun. 1999, pp. 76–79.

(List continued on next page.)

Primary Examiner—David Wiley

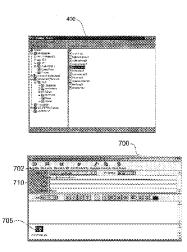
Assistant Examiner—Joseph E. Avellino

(74) Attorney, Agent, or Firm-Shumaker & Sieffert, P.A.

(57) ABSTRACT

A data storage system is described that provides seamless access to remote data storage areas via a global computer network. The data storage system includes one or more storage servers coupled to one or more storage devices. The storage devices provide a plurality of virtual storage areas, where each virtual storage area is assigned to a user. Access to the virtual storage areas is fully integrated with an operating system executing on a client computer such that the user, or software applications executing on the client computer, can seamlessly access the corresponding virtual storage area using standard file management routines provided by the operating system. In addition, the invention provides a wide range of other remote access methods to the virtual data storage areas including access via electronic mail.

24 Claims, 8 Drawing Sheets



Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

OTHER PUBLICATIONS

World Wide Web Distributed Authoring and Versioning: Web DAV, Whitehead, E.J., WebDAV Information, Feb. 1999, pp. 1–2.

Requirements for Distributed Authoring and Versioning on the World Wide Web, Slein, J.A.; Vitali, F.; Whitehead, Jr., E.J.; Durand, D.G.; Standard View VI. 5, No. 1, Mar. 1997, ISSN: 1067–9936, pp. 17–24.

How to implement Web–based groupware systems based on WebDAV, Dridi, F.; Neumann, G., Enabling Technologies: Infrastructure for Collaborative Enterprises, Jun. 1999, Proceedings IEEE 8th, ISBN: 0–7695–0365–9, pp. 114–119.

Open Door Networks Introduces New Products for Appleshare Servers, pp. 1–2, Sep. 1997.

ShareWay IP 2.0, pp. 1–2, Feb. 1997.

DOCKE

Open Door Network Products Enhance MAC OS 8, p. 1, Aug. 1997.

U.S. patent application entitled, "Method and System for Seamless Access to a Remote Storage Area," Ser. No. 09/501,041, filed Feb. 9, 2000.

U.S. patent application entitled, "Remote Storage Area Having Multiple Access Interfaces," Ser. No. 09/500,868, filed Feb. 9, 2000.

International Search Report from Application No. PCT/US 01/04352 mailed Oct. 9, 2003 (3 pages).

http://www.webdav.org—WebDAV Resources, pp. 1–3, printed Jun. 15, 2000.

http://www.backup.com-@ Backup®, p. 1, printed Jun. 15, 2000.

http://www.bitlocker.com—Bitlocker, p. 1, printed Jun. 15, 2000.

http://www.datahubonline.com—datahubonline.com, p. 1, printed Jun. 15, 2000.

http://www.diskonnet.com—DiskOnNet.com, p. 1, printed Jun. 15, 2000.

http://www.docspace.com—Critical Path Inc., p. 1, printed Jun. 15, 2000.

http://www.driveway.com—Driveway Corporation, p. 1, printed Jun. 15, 2000.

http://www.itools.mac.com—Apple—iTools, p. 1, printed Jun. 15, 2000.

http://www.filemonkey.com—File Monkey Software Development Services, p. 1, printed Jun. 15, 2000.

http://www.freedrive.com—FreeDrive, Inc, p. 1, printed Jun. 15, 2000.

http://www.xinet.com—Xinet, Inc., p. 1, printed Jun. 15, 2000.

* cited by examiner





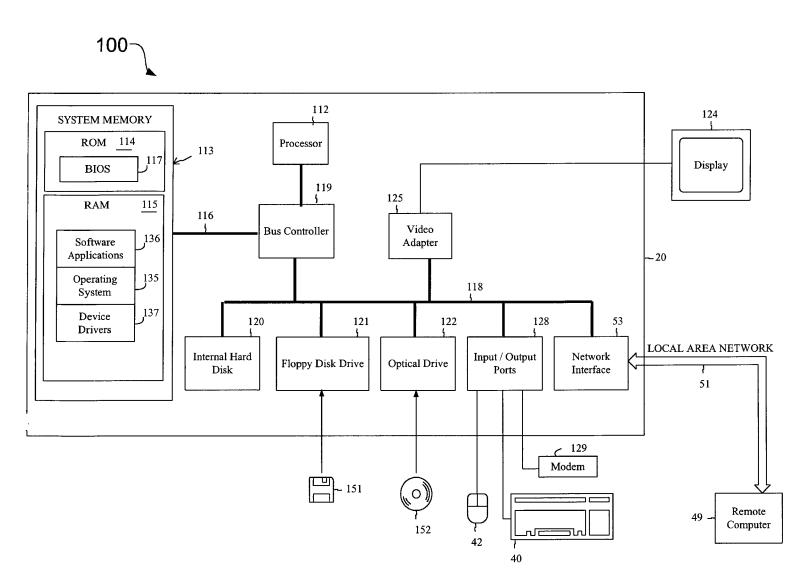


FIG. 1

Adobe - Exhibit 1004, page 3

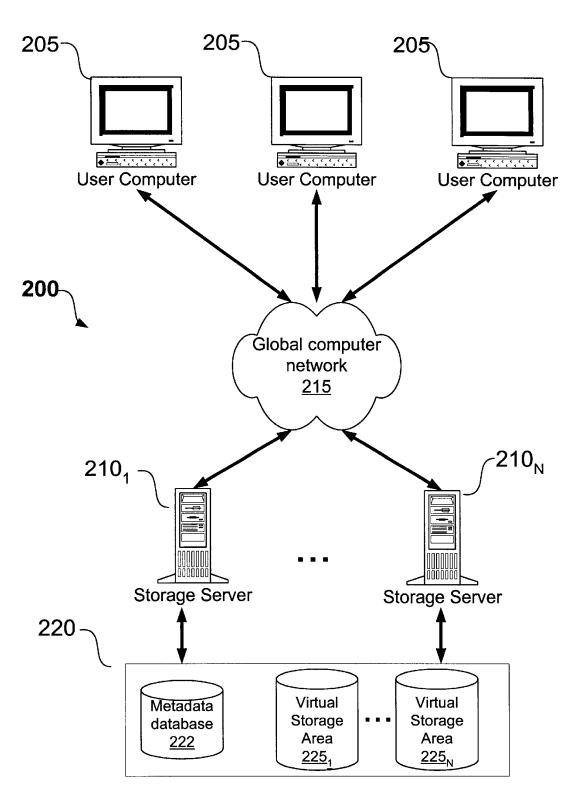


FIG. 2

DOCKET

Α

300

Name	Che halt at	Size Kind
🗿 www	Today, 9:42.4M	— følder
📓 lindex:html	Today, 9:36 AP1	4 K Internet Explorer 401 documen
📓 Image2]pg	Today, 9.34.Att	24 K. PictureViewer document
🚺 løtsestuff.jpg	Today: 9:23.em	24 K document
image 1. jpg	Today, 9:00-AP1	112K PictureViewer document.
🞯 BlRtrack (pg	Tue, Jul 6, 1999, 8:47 AM	112 K PictureViewer document
🔯 PrePresa	Today 7.22 Apt	📼 falder
🔯 Powerpoint Documents:	fri, Jul 16, 1999, 4:53 RM	— folder
🐧 SiLO Images	Fri, Jul 16, 1999, 4:52 PM	— folider
🕲 My Files	. Fri, Jul 16, 1999, 4:27 PM	— folder
📸 apollopev 4.pdf	Eri, Jul 16, 1999, 11:12A11	164K Acrobat™ 4.0 document
📷 mitchmega jpg	Thu, Apr 15, 1999, 10:41 Ali	72 K. Photoshop@ JPEG file
SS scenel.p	wed, May 28, 1997, 7 30 PH	764K Photoshop@PICT file

FIG. 3

L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET A L A R M



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.