



US006985927B2

(12) **United States Patent**
O'Brien et al.

(10) **Patent No.:** **US 6,985,927 B2**
(45) **Date of Patent:** **Jan. 10, 2006**

(54) **SHARED INTERNET STORAGE RESOURCE,
USER INTERFACE SYSTEM, AND METHOD**

(75) Inventors: **Brett O'Brien**, Pacific Palisades, CA
(US); **Sean Whiteley**, Millbrae, CA
(US); **Lucas McGregor**, Santa Monica,
CA (US); **Martin Hald**, Irvine, CA
(US)

(73) Assignee: **XDrive, LLC.**, Dulles, VA (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 426 days.

(21) Appl. No.: **10/073,775**

(22) Filed: **Feb. 11, 2002**

(65) **Prior Publication Data**
US 2002/0133561 A1 Sep. 19, 2002

Related U.S. Application Data

(63) Continuation of application No. 09/570,583, filed on
May 12, 2000, now Pat. No. 6,351,776.

(60) Provisional application No. 60/163,626, filed on Nov.
4, 1999.

(51) **Int. Cl.**
G06F 15/167 (2006.01)

(52) **U.S. Cl.** **709/213; 709/218; 707/1;
707/8; 707/10; 707/100; 707/201**

(58) **Field of Classification Search** **709/213,
709/218; 707/8, 10, 201, 100, 1**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,444,320 A	8/1996	Konrad	709/203
5,696,901 A	12/1997	Konrad	709/203
5,771,354 A	6/1998	Crawford	709/229
5,861,883 A	1/1999	Cuomo et al.	345/733

5,901,228 A	5/1999	Crawford	705/34
5,940,823 A	8/1999	Schreiber et al.	707/3
5,956,490 A	9/1999	Buchholz et al.	709/245
5,987,454 A	11/1999	Hobbs	707/4

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 09/570,583, filed May 12, 2000, O'Brien et al.*

(Continued)

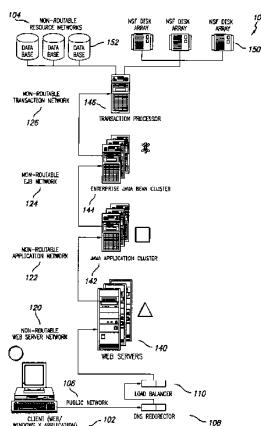
Primary Examiner—Frantz B. Jean

(74) *Attorney, Agent, or Firm*—Cislo & Thomas, LLP

(57) **ABSTRACT**

The Shared Internet Storage Resource provides Internet-based file storage, retrieval, access, control, and manipulation for a user. Additionally, an easy-to-use user interface is provided both for a browser or stand-alone application. The entire method provides means by which users can establish, use, and maintain files on the Internet in a manner remote from their local computers yet in a manner that is similar to the file manipulation used on their local computers. A high capacity or other storage system is attached to the Internet via an optional internal network that also serves to generate and direct metadata regarding the stored files. A web server using a CGI, Java®-based, or other interface transmits and retrieves TCP/IP packets or other Internet information through a load balancer/firewall by using XML to wrap the data packets. File instructions may be transmitted over the Internet to the Shared Resource System. The user's account may be password protected so that only the user may access his or her files. On the user's side, a stand-alone client application or JavaScript object interpreted through a browser provide two means by which the XML or other markup language data stream may be received and put to use by the user. Internet-to-Internet file transfers may be effected by directly downloading to the user's account space.

21 Claims, 15 Drawing Sheets



US 6,985,927 B2

Page 2

U.S. PATENT DOCUMENTS

5,987,506	A	11/1999	Carter et al.	709/213
6,003,030	A	12/1999	Kenner et al.	707/10
6,009,427	A *	12/1999	Wolff	707/10
6,009,433	A	12/1999	Kurano et al.	707/100
6,014,651	A	1/2000	Crawford	705/400
6,021,433	A	2/2000	Payne et al.	709/219
6,035,325	A	3/2000	Potts, Jr.	709/203
6,049,877	A	4/2000	White	713/201
6,061,798	A	5/2000	Coley et al.	713/201
6,119,229	A	9/2000	Martinez et al.	713/200
6,128,624	A	10/2000	Papierniak et al.	707/104
6,128,627	A	10/2000	Mattis et al.	707/202
6,138,158	A	10/2000	Boyle et al.	709/225
6,151,601	A	11/2000	Papierniak et al.	707/10

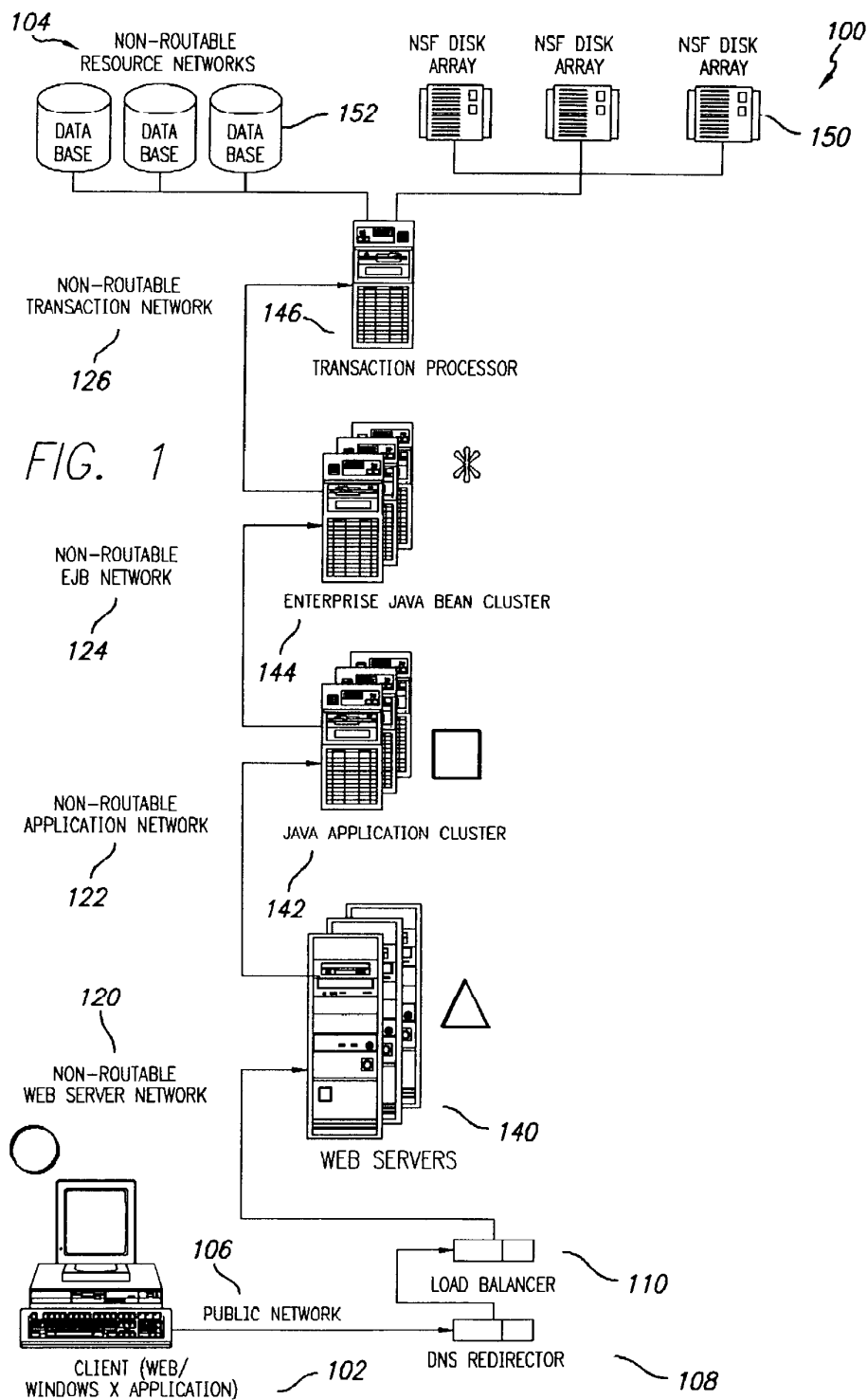
6,154,738	A *	11/2000	Call	707/4
6,173,318	B1	1/2001	Jackson et al.	709/219
6,175,842	B1	1/2001	Kirk et al.	707/513
6,321,254	B1 *	11/2001	Meyer et al.	709/213

OTHER PUBLICATIONS

Knoware, Inc. web site describing ftpNetDrive™ internet file storage, 2 pp.

Publication of Patricia Seybold Group entitled, "Enterprise JavaBeans™ Technology, Server Component Model for the Java™ Platform," by Anne Thomas, Revised Dec. 1998, prepared for Sun Microsystems, Inc., 22 pp.

* cited by examiner



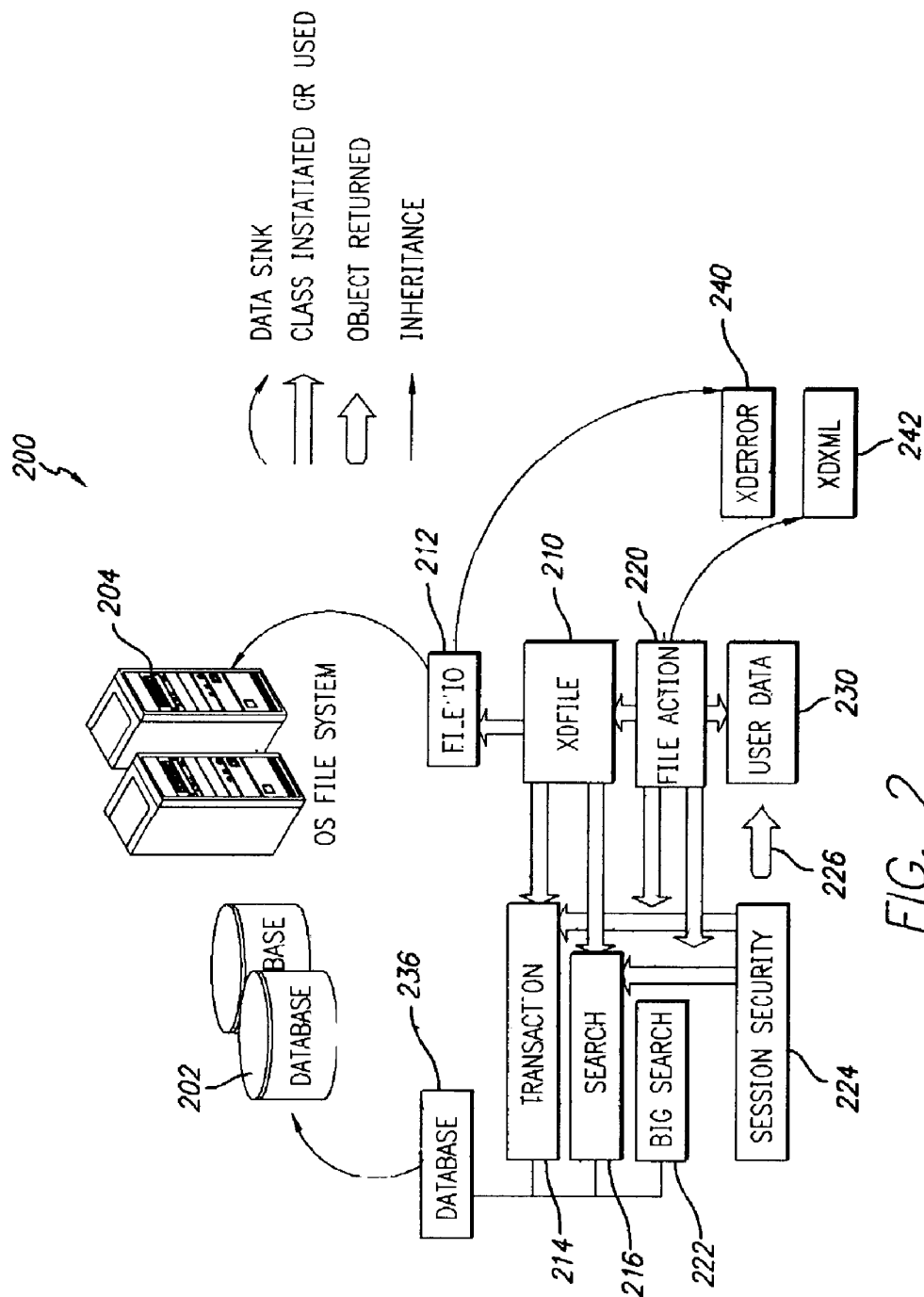
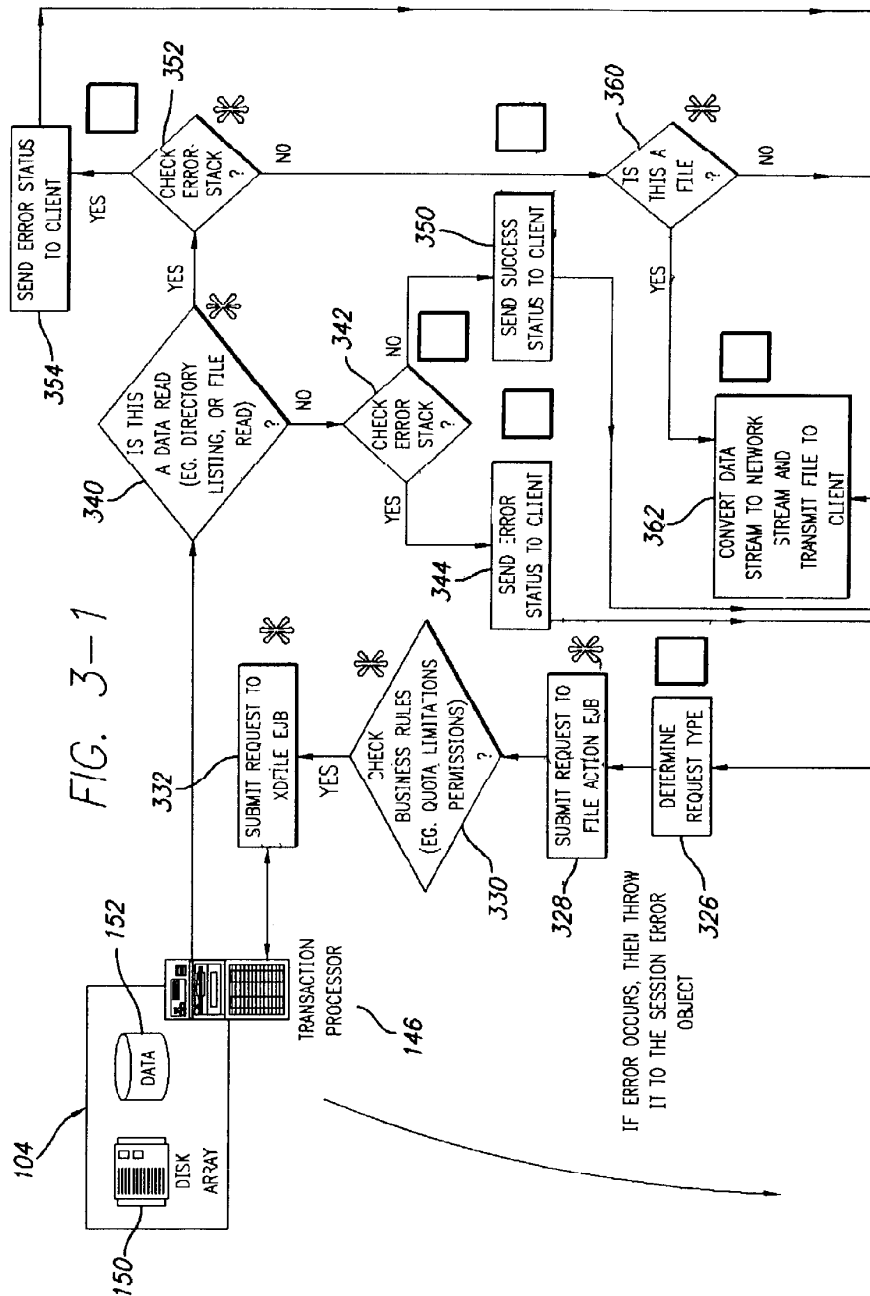


FIG. 2



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.