



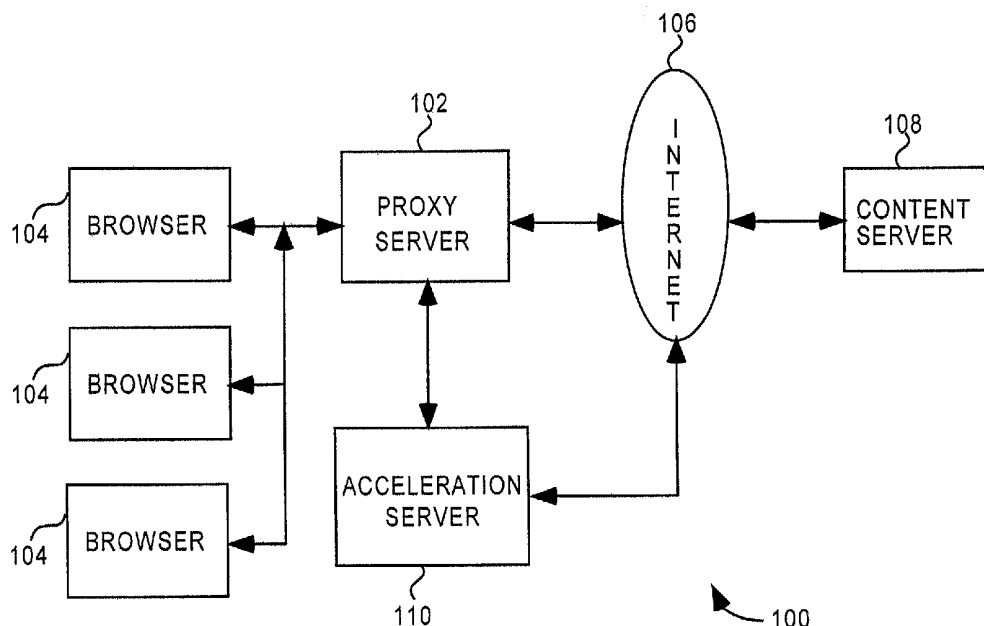
US 20020169818A1

(19) **United States**(12) **Patent Application Publication**  
Stewart et al.(10) **Pub. No.: US 2002/0169818 A1**(43) **Pub. Date: Nov. 14, 2002**(54) **METHOD AND APPARATUS FOR  
EFFICIENT STORAGE AND RETRIEVAL OF  
OBJECTS IN AND FROM AN OBJECT  
STORAGE DEVICE**(60) Provisional application No. 60/085,309, filed on May  
13, 1998.(75) Inventors: **Christoher H. Stewart**, Tomball, TX  
(US); **Svilen B. Pronev**, Cypress, TX  
(US); **Darrell J. Starnes**, Tomball, TX  
(US)**Publication Classification**(51) **Int. Cl.<sup>7</sup>** ..... **G06F 15/16**  
(52) **U.S. Cl.** ..... **709/202**

Correspondence Address:

**AKIN, GUMP, STRAUSS, HAUER & FELD,  
L.L.P.  
300 WEST 6TH STREET  
SUITE 2100  
AUSTIN, TX 78701 (US)**(57) **ABSTRACT**(73) Assignee: **Compaq Computer Corporation**(21) Appl. No.: **10/128,778**(22) Filed: **Apr. 24, 2002****Related U.S. Application Data**(63) Continuation of application No. 09/133,497, filed on  
Aug. 12, 1998, now Pat. No. 6,389,460.

Techniques for storing objects (e.g., images) in and retrieving objects from a storage device (e.g., image store) in a rapid and efficient manner are disclosed. More particularly, the techniques include: storage of an object in and retrieval of an object from the storage device with reference to an object locator together with state and permission information, use of a directory structure of a file system to efficiently provide database structure for storage of the objects, storage and retrieval of object states as attributes of associated files in the file system, storage and retrieval of multiple versions of objects, and multi-threaded management of the storage device.



Data Co Exhibit 1035

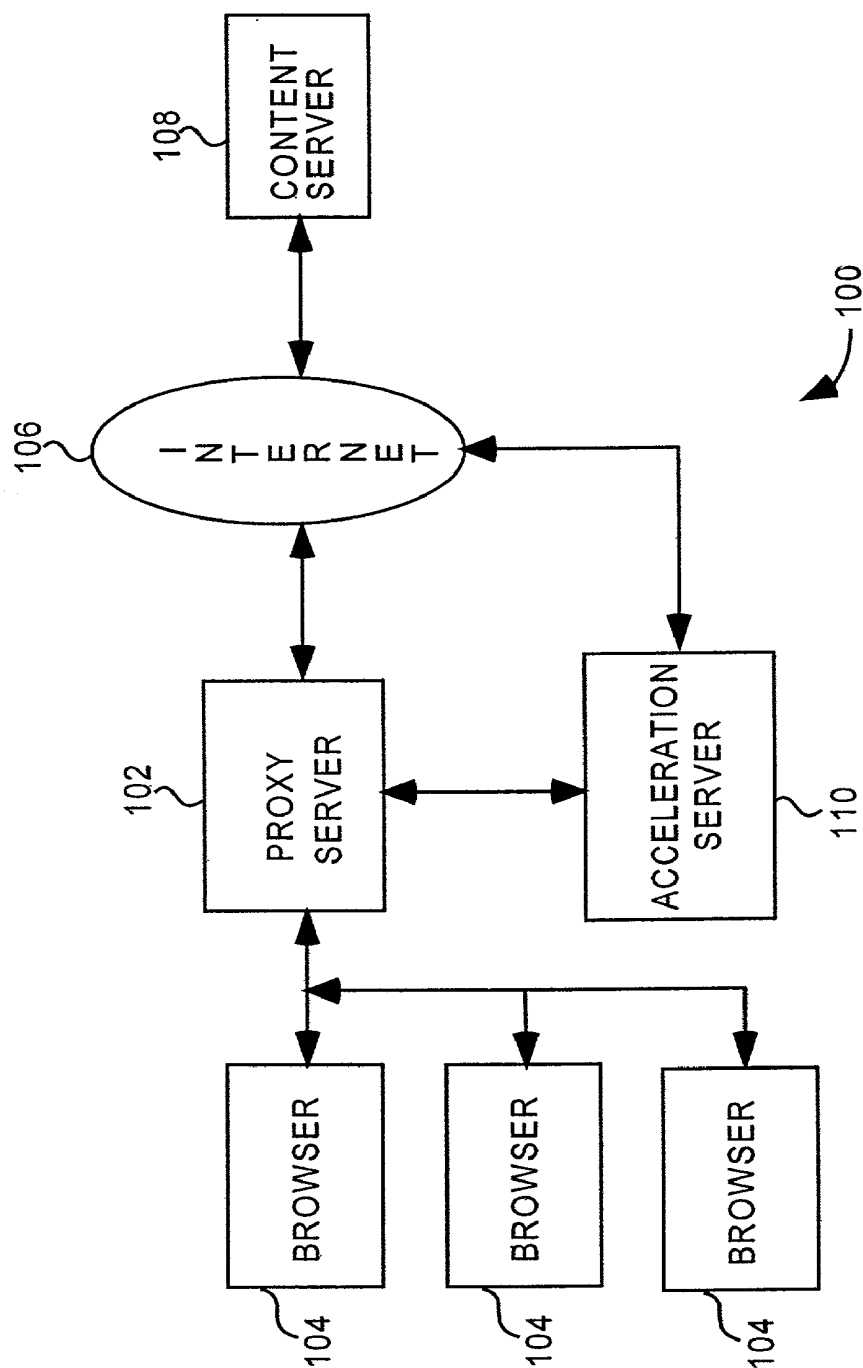


FIG. 1

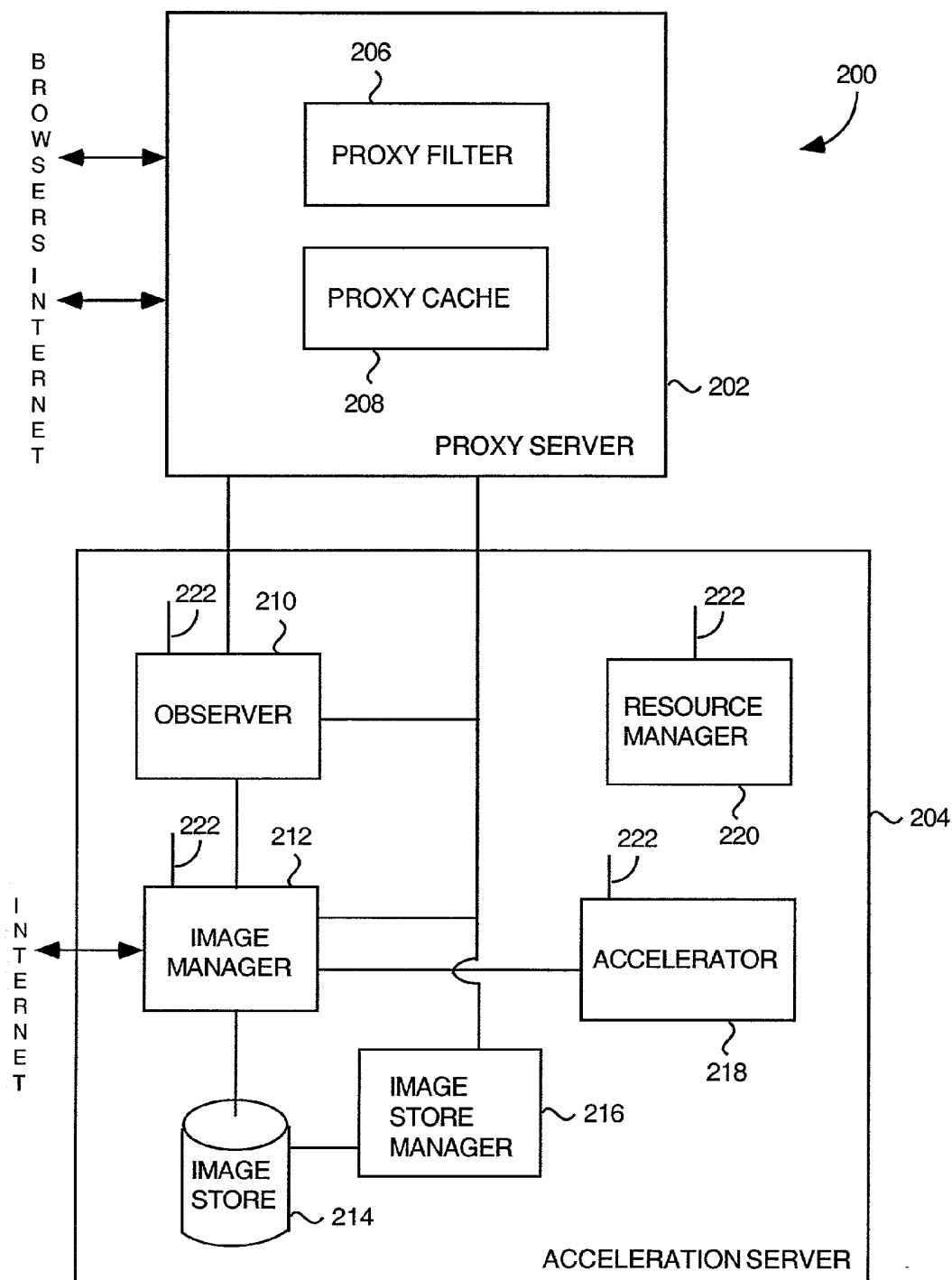


FIG. 2

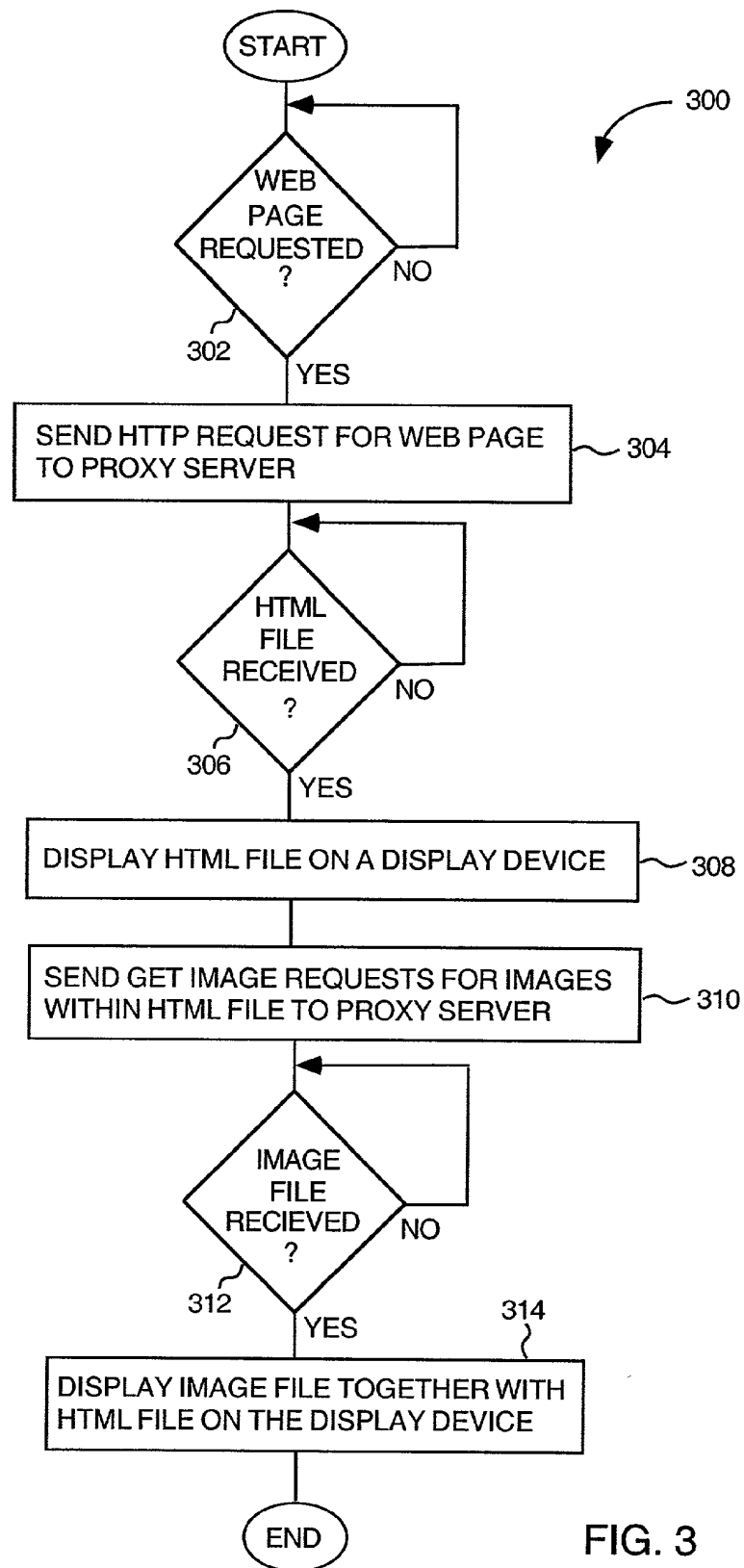


FIG. 3

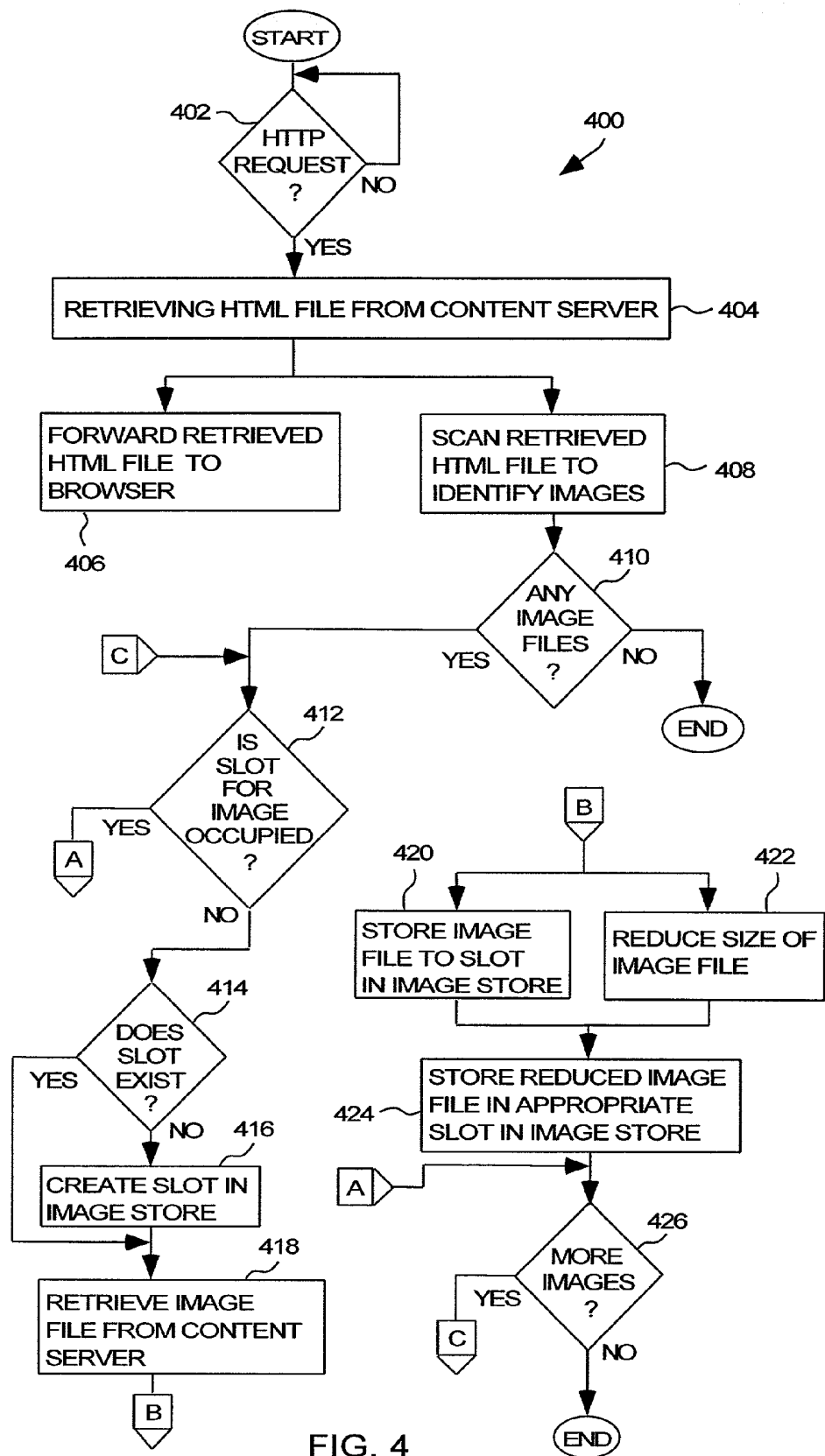


FIG. 4

# 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.