

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0023110 A1**

**FORTIN et al.**

(43) **Pub. Date: Feb. 21, 2002**

(54) **DOCUMENT MARKUP LANGUAGE AND SYSTEM AND METHOD FOR GENERATING AND DISPLAYING DOCUMENTS THEREIN**

(57) **ABSTRACT**

(76) Inventors: **RONALD E. FORTIN, EXETER, RI (US); LOUIS R. BERSHAD, JAMESTOWN, RI (US); BRIAN T. BRADY, WARWICK, RI (US)**

The present invention uses a markup language that defines elements which improve the ability of users to view more complex documents, particularly graphical documents, such as those based on data generated by computer-aided design, computer-aided software engineering, or other data modeling tools. An electronically published document contains descriptive markup defining several tags. Elements defined by tags are instantiated as objects which are responsive to user input. These tags define elements which are interpreted to define a diagram containing a plurality of layers. Each layer contains several graphical objects. An object may have associated with it a menu of actions or hypertext links. A computer system or computer-implemented process processes such an electronically published document and generates on a computer display the diagram defined by the descriptive markup. The different layers of the document may be displayed selectively. Also, the view of the diagram may change using a zoom function, or it maybe refreshed, i.e., redisplayed, or the electronically published document may be reloaded and reprocessed. One or more objects may be selected. Selection of objects may invoke a display of a menu of selectable actions which are associated with that object. These actions may include one or more hypertext links.

Correspondence Address:

**PETER J GORDON  
WOLF GREENFIELD AND SACKS  
600 ATLANTIC AVENUE  
BOSTON, MA 02210**

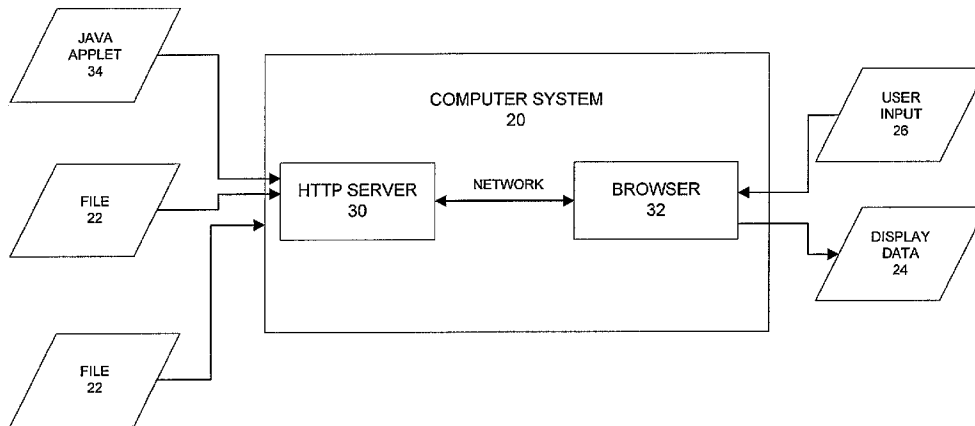
(\* ) Notice: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

(21) Appl. No.: **09/012,293**

(22) Filed: **Jan. 23, 1998**

**Publication Classification**

(51) **Int. Cl.<sup>7</sup> ..... G06F 17/00**  
 (52) **U.S. Cl. .... 707/513**



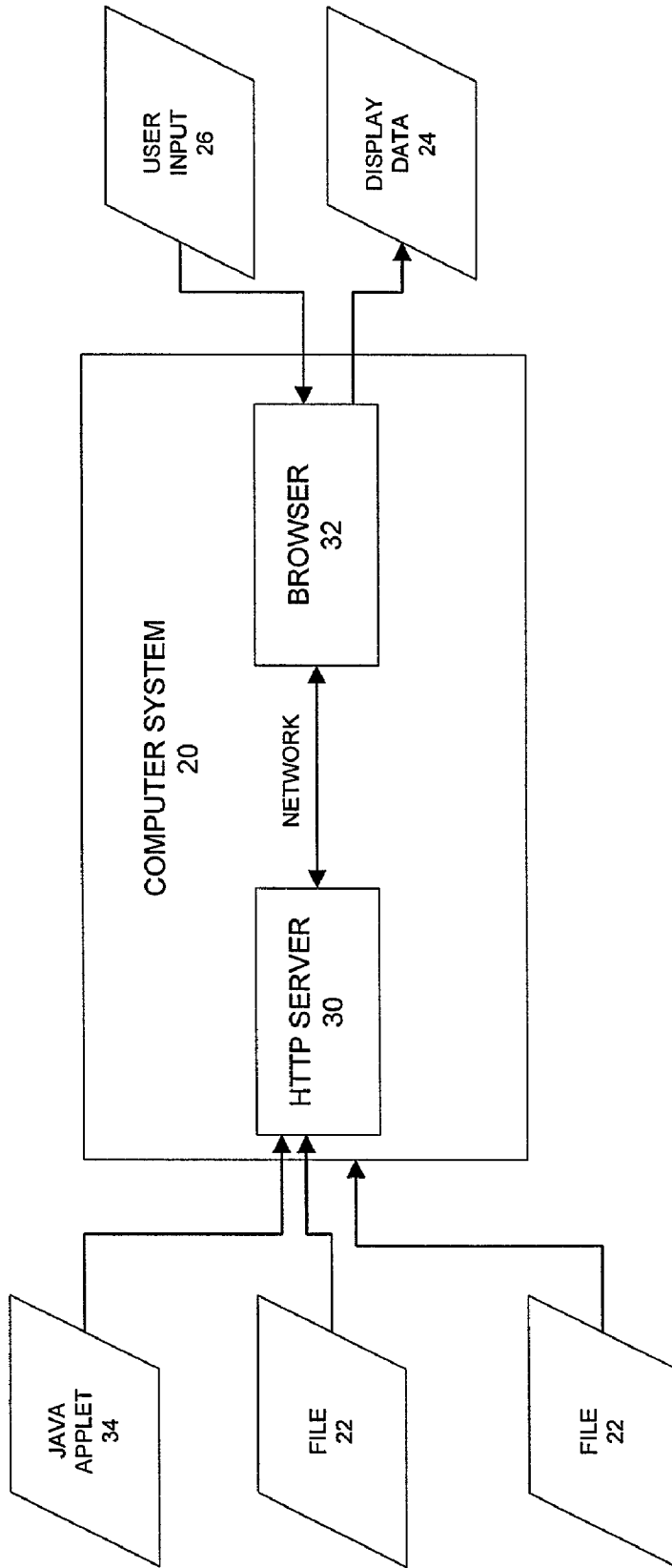


FIGURE 1

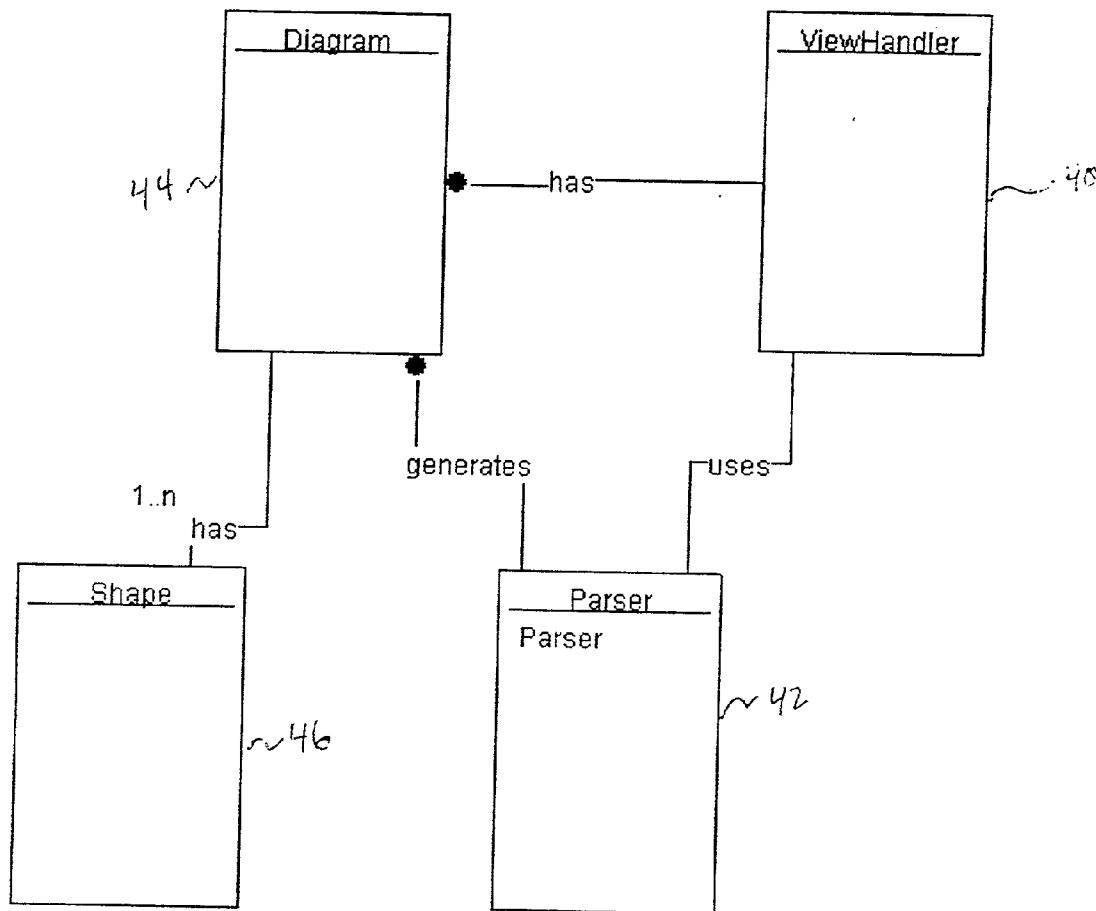


FIG. 2

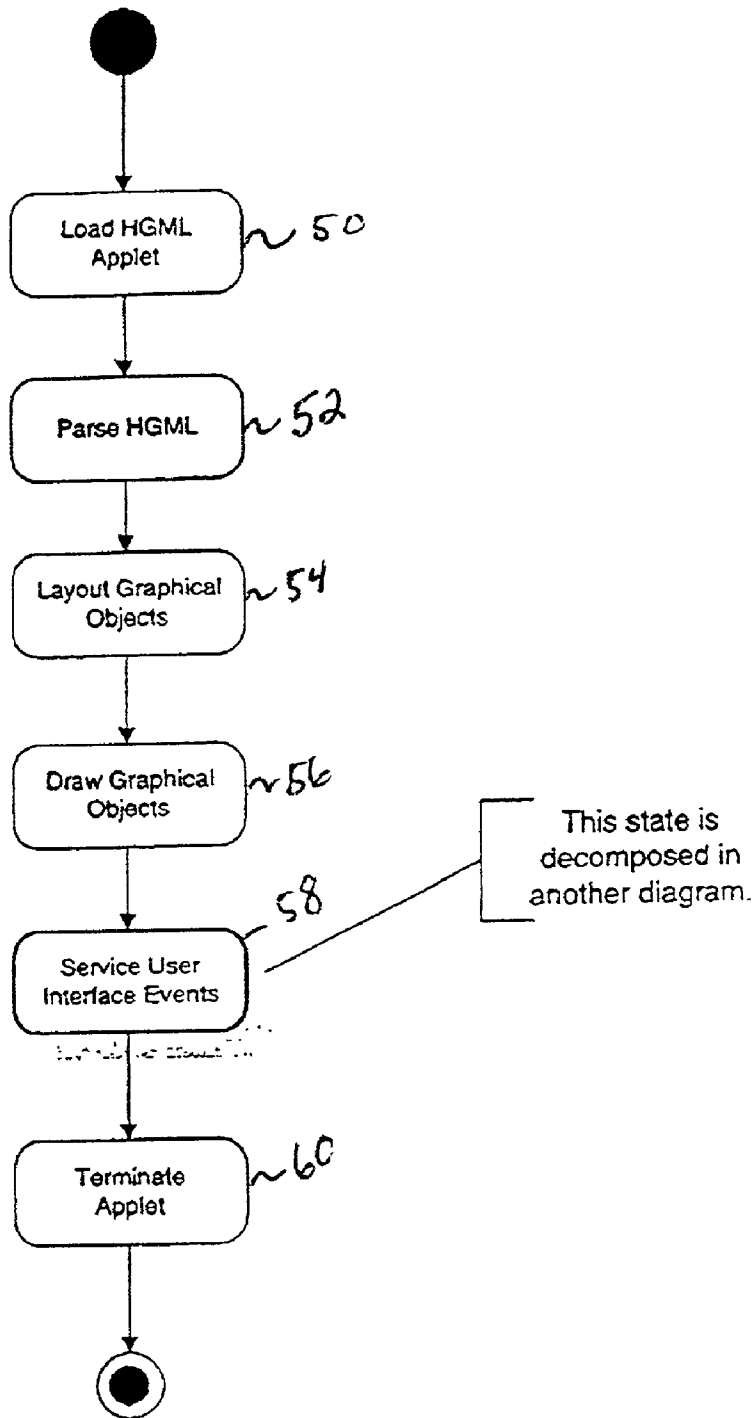


FIG. 3

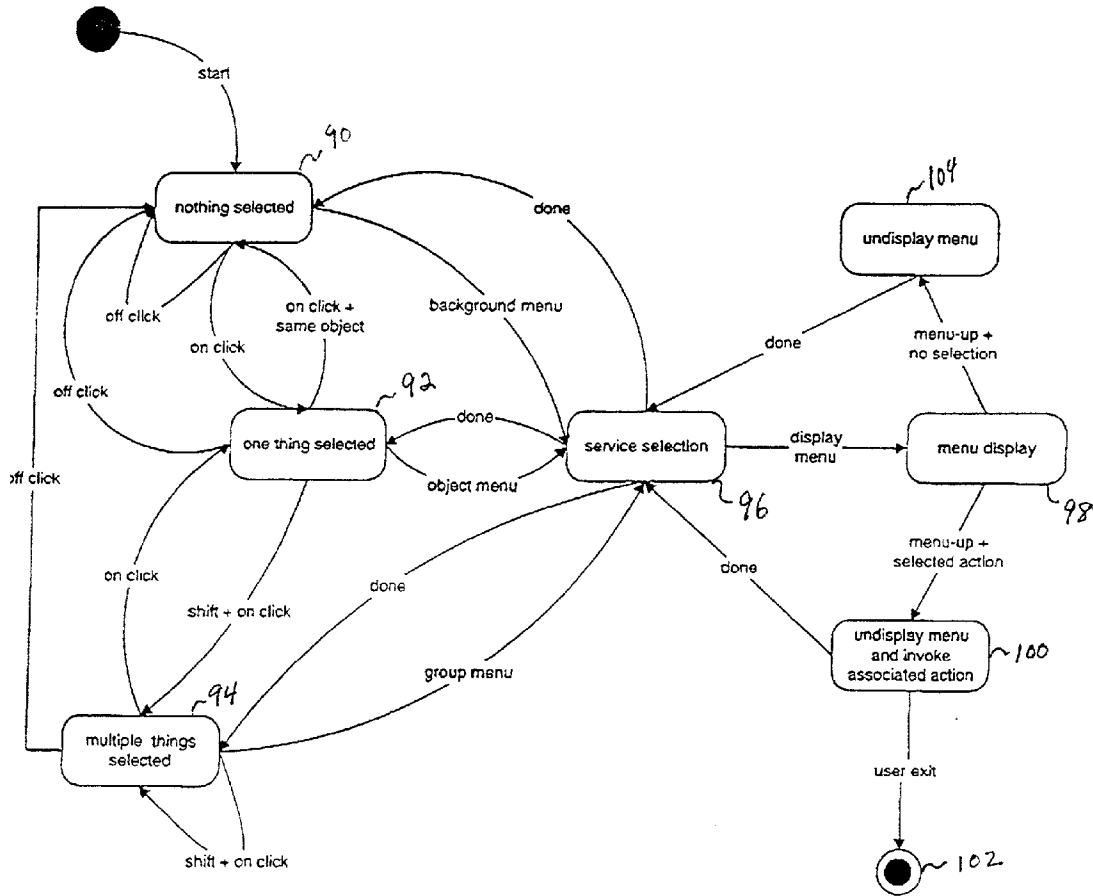


FIG. 4

# 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.