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Popp et al.

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(54) **METHOD AND APPARATUS FOR MANAGING INTERNET TRANSACTIONS**

(75) Inventors: **Nicolas Popp**, Menlo Park; **Bruce Ong**; **Charles D'Harcourt**, both of San Francisco, all of CA (US)

(73) Assignee: **NeXT Software, Inc.**, Redwood City, CA (US)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) Int. Cl.^{7} **G06T 9/00**
(52) U.S. Cl. **345/473**
(58) Field of Search 395/761, 326–332; 707/2; 345/473

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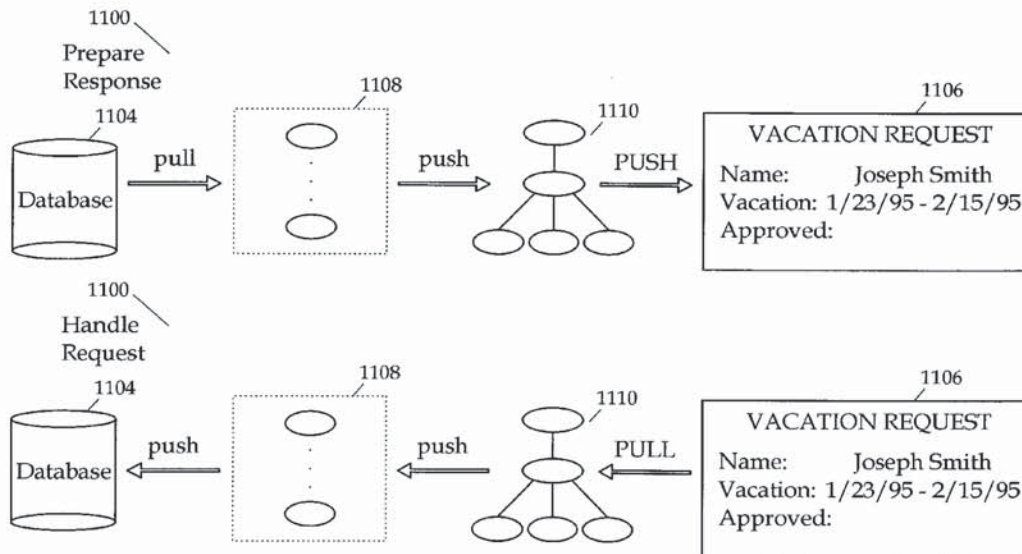Aronson "HTML 3 Manual of Style" pp 111–123, 1995.*

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Primary Examiner—Almis R. Jankus
(74) *Attorney, Agent, or Firm*—The Hecker Law Group

(57) **ABSTRACT**

An object-oriented approach provides the ability to develop and manage Internet transactions. Local applications can be accessed using any workstation connected to the Internet regardless of the workstation's configuration. Some or all of a Web page can be generated dynamically using input received in a returned page, generated at runtime, or retrieved from an external data source (e.g., database or electronic mail system). When the Web page definition is rendered, the information contained in template(s), declaration file(s), and object(s) are used to generate standard definitions. State information is maintained across transactions. Using state information, virtual applications, sessions, transactions, and pages can be implemented. Self-contained modules, or components, provide the ability to share implementations and create multi-content documents. Event objects can be used to assist in event handling management.
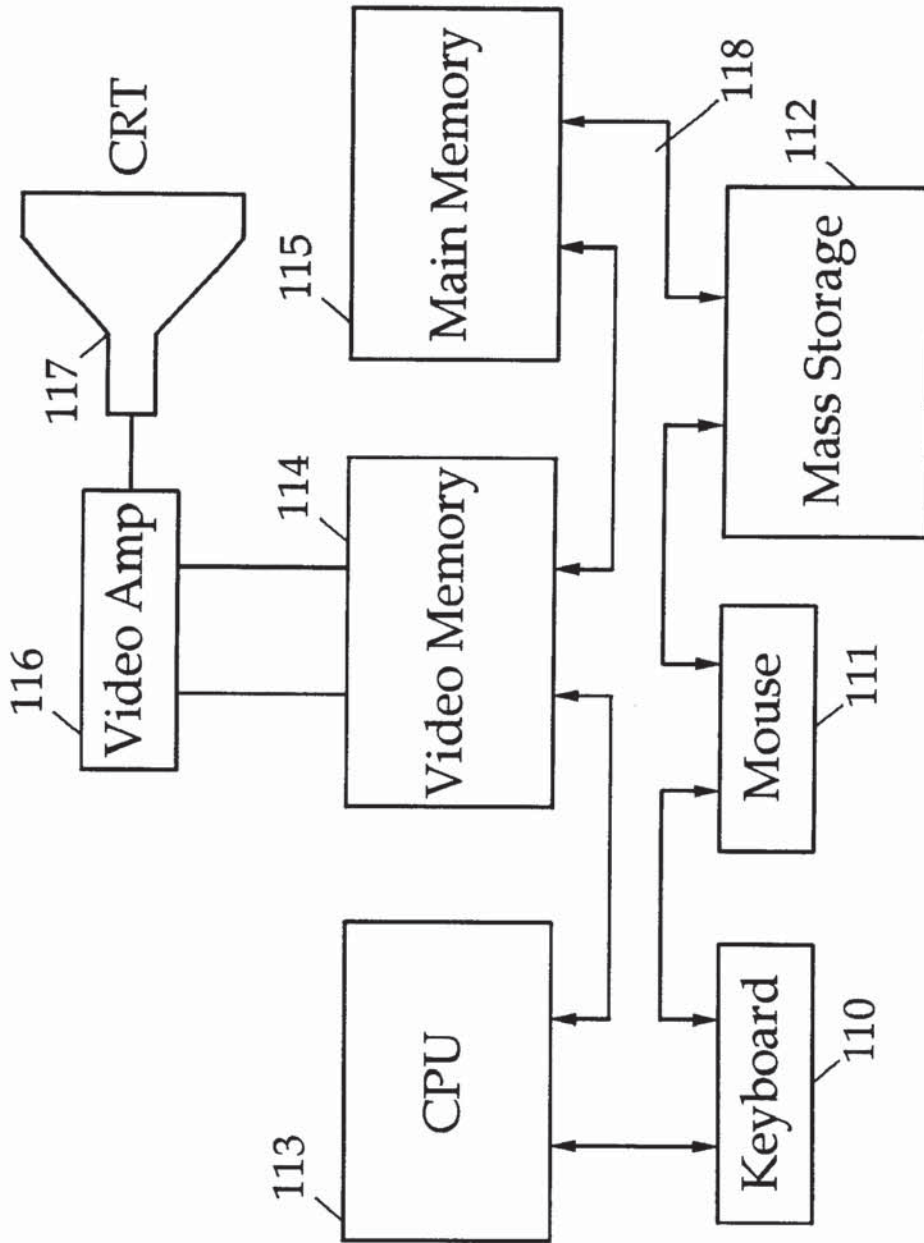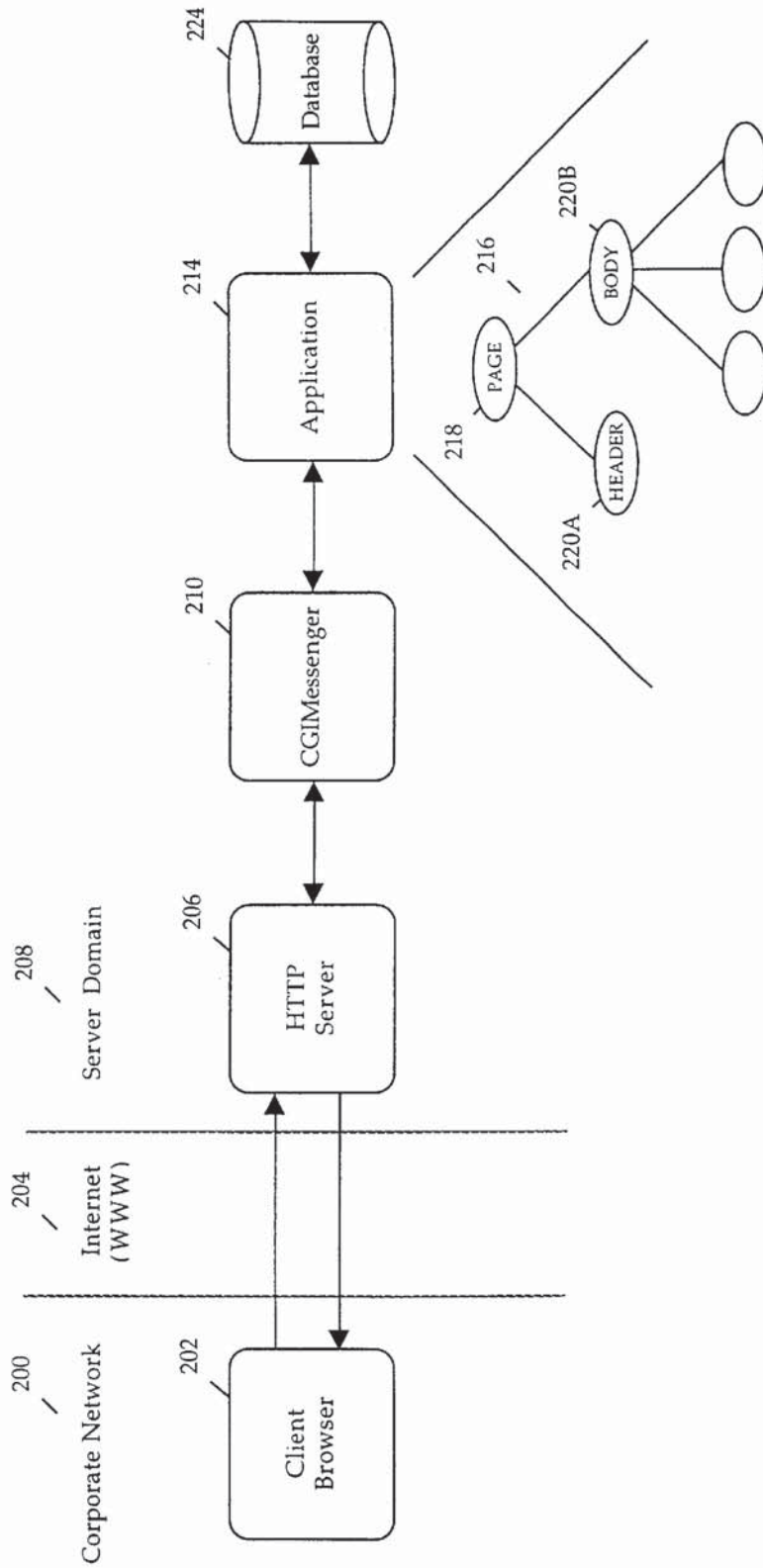
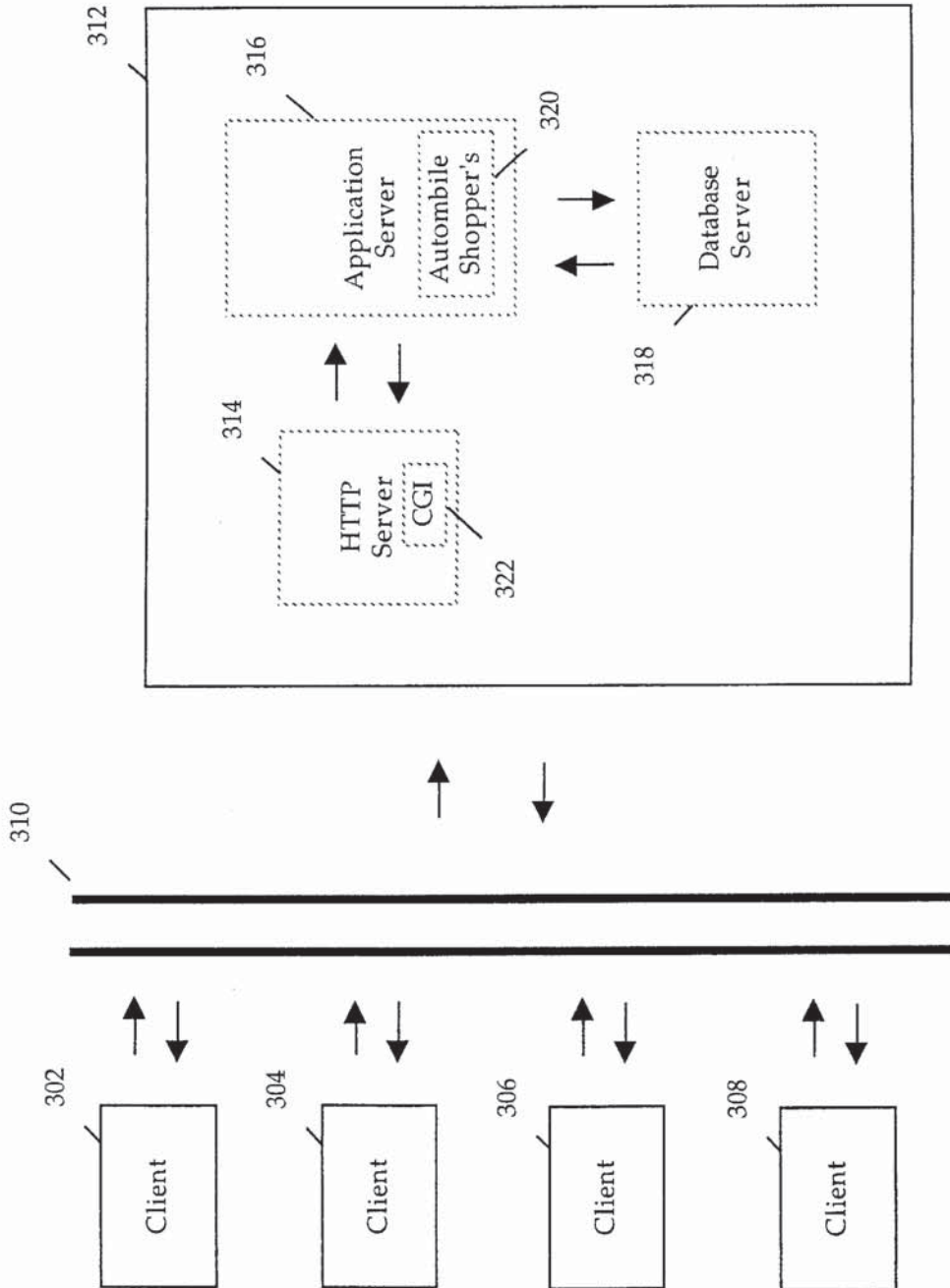**25 Claims, 22 Drawing Sheets**

Figure 1

Figure 2

Figure 3A

Figure 3B

DOCKET ALARM
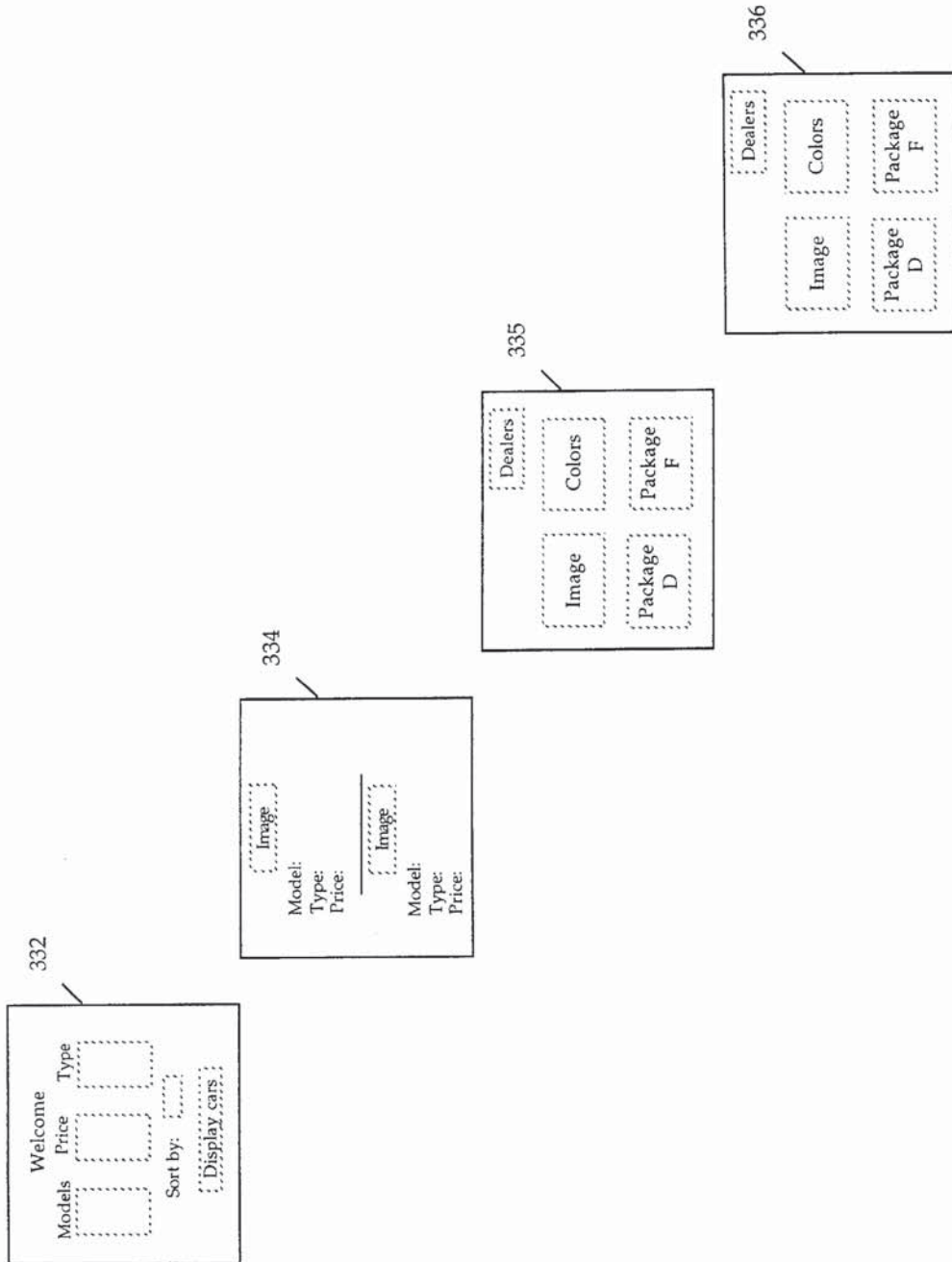
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