



US007010536B1

(12) **United States Patent**  
**De Angelo**

(10) **Patent No.:** **US 7,010,536 B1**  
(45) **Date of Patent:** **Mar. 7, 2006**

(54) **SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS**

(75) Inventor: **Michael De Angelo**, Santa Barbara, CA (US)

(73) Assignee: **Pattern Intelligence, Inc.**, Palm Springs, CA (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.: **09/284,113**

(22) PCT Filed: **Jan. 28, 1999**

(86) PCT No.: **PCT/US99/01988**

§ 371 (c)(1),  
(2), (4) Date: **Apr. 7, 1999**

(87) PCT Pub. No.: **WO99/39285**

PCT Pub. Date: **Aug. 5, 1999**

**Related U.S. Application Data**

(60) Provisional application No. 60/073,209, filed on Jan. 30, 1998.

(51) **Int. Cl.**  
**G06F 17/30** (2006.01)

(52) **U.S. Cl.** ..... **707/100; 707/203**

(58) **Field of Classification Search** ..... **707/6, 707/103, 10**

See application file for complete search history.

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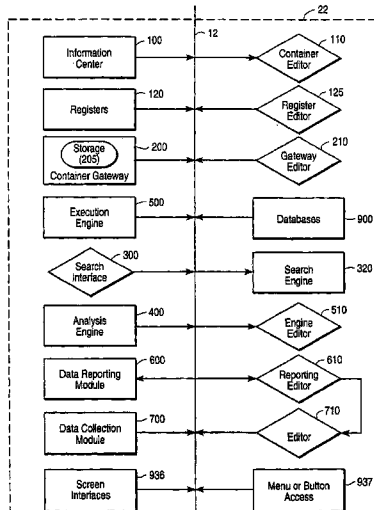
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*Primary Examiner*—Frantz Coby  
*Assistant Examiner*—CamLinh Nguyen  
(74) *Attorney, Agent, or Firm*—Fish & Richardson P.C.

(57) **ABSTRACT**

An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including a plurality of containers, each container being a logically defined data enclosure and comprising an information element, a plurality of registers, and a gateway. The plurality of registers, form part of the container, and include a first register for storing a unique container identification value; a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time; an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways; a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways; and a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways. Additional registers designate space for container interactions.

**16 Claims, 30 Drawing Sheets**



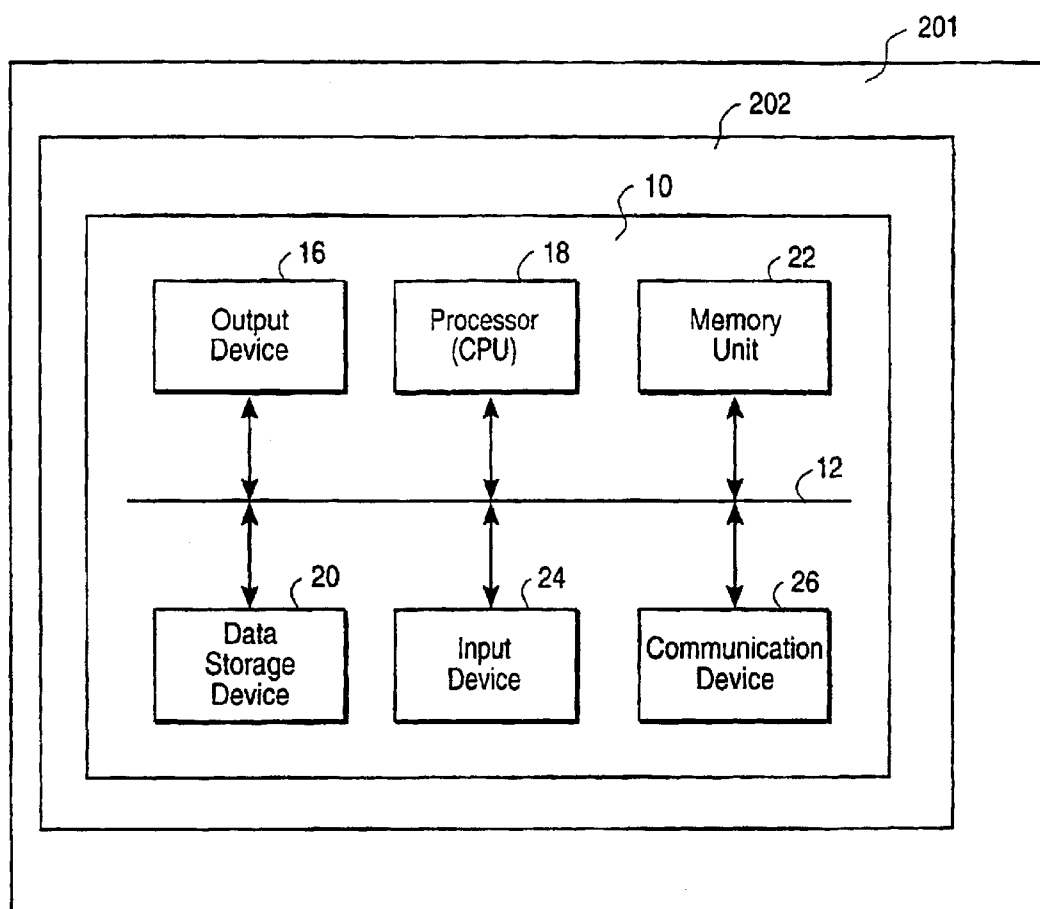


FIG. 1

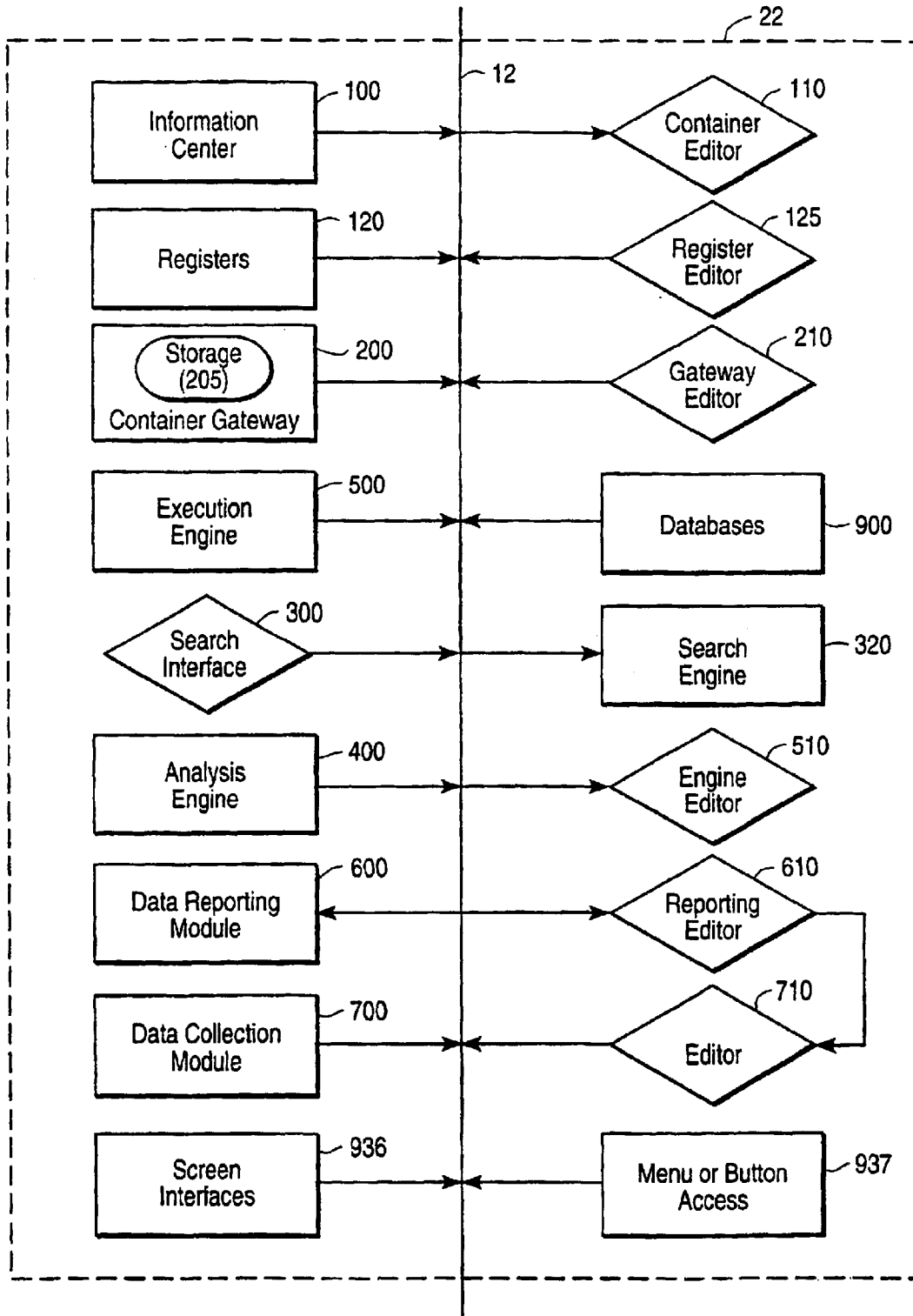


FIG. 2A

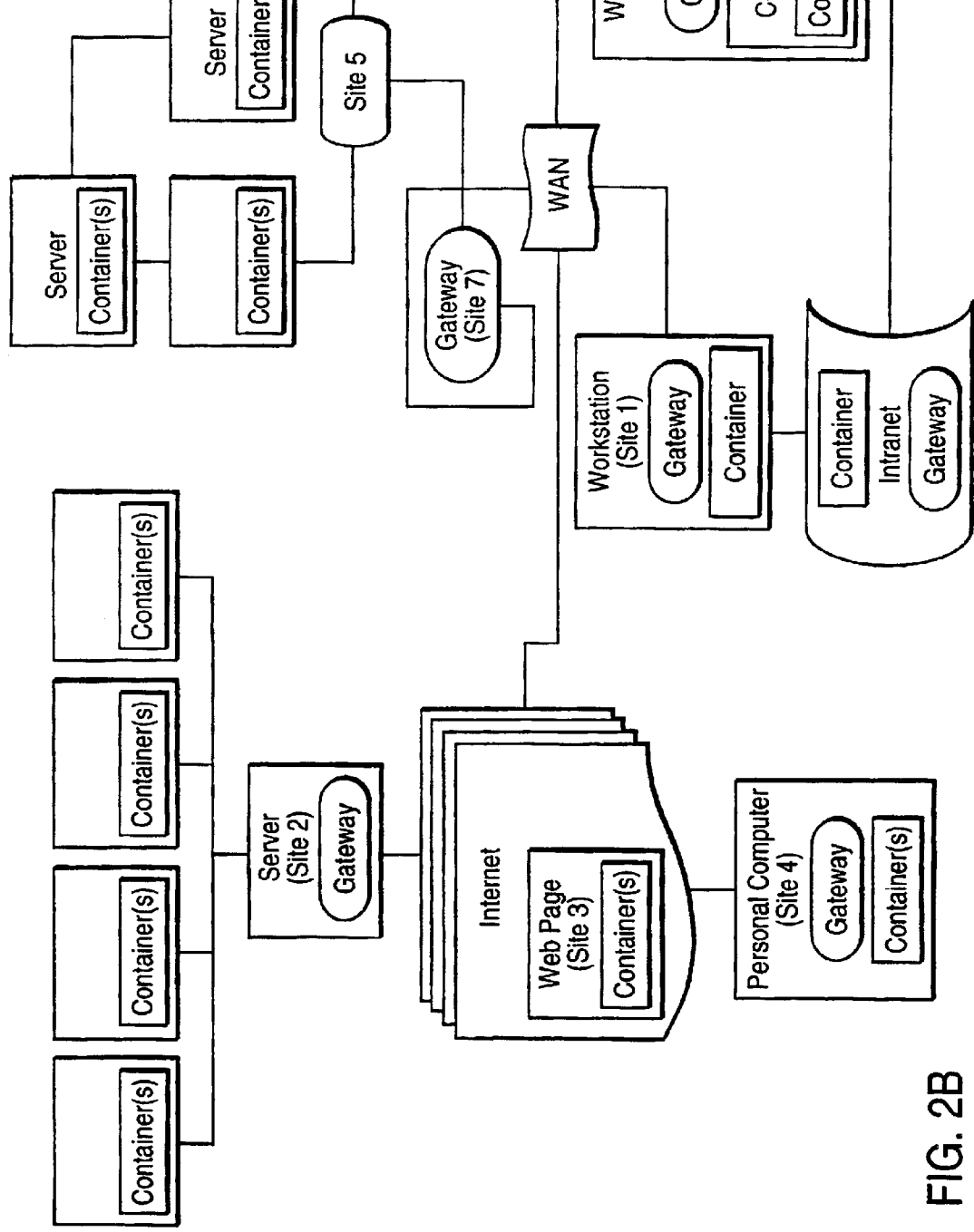


FIG. 2B

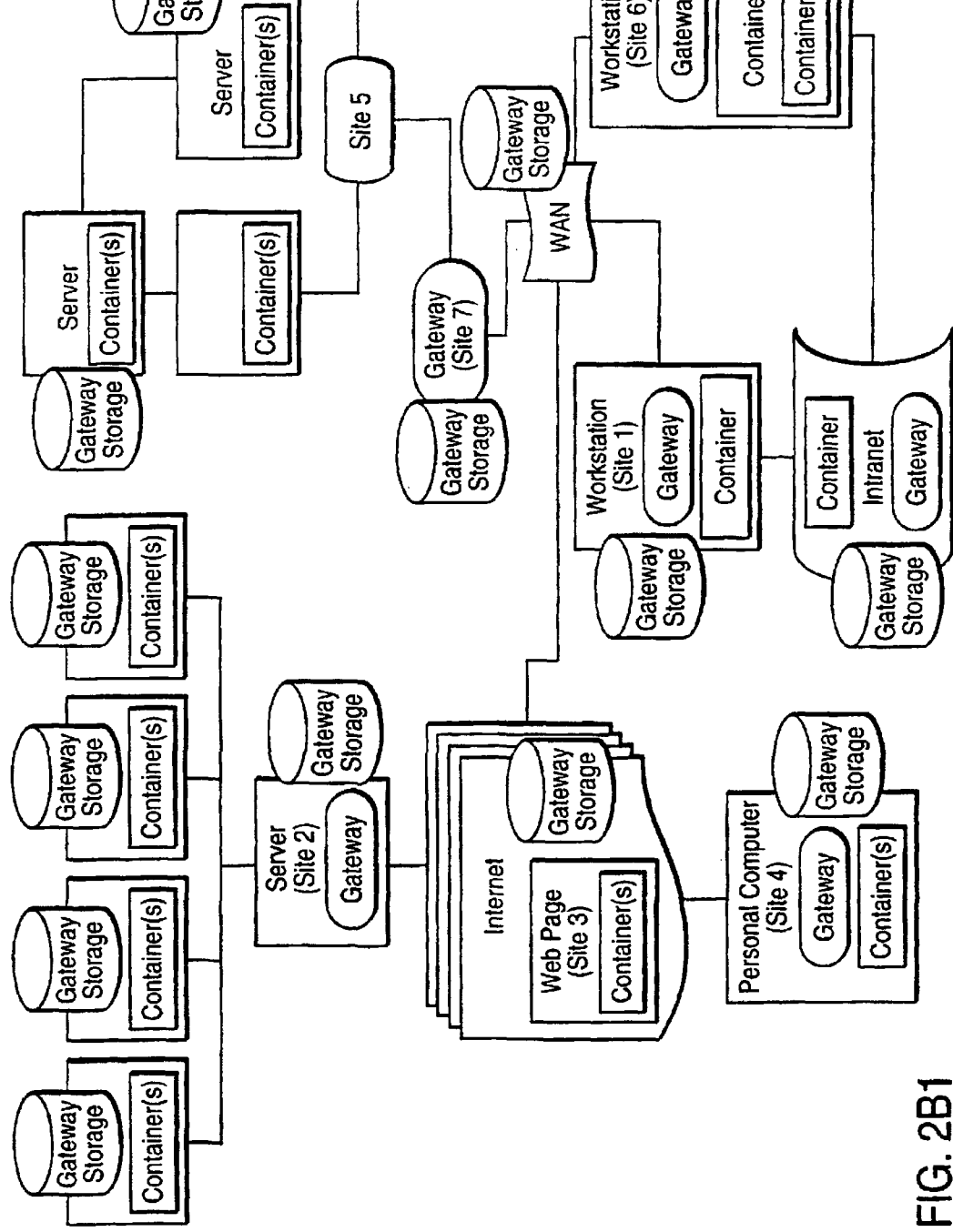


FIG. 2B1

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