

(12) **United States Patent**  
**Touboul**

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(45) **Date of Patent:** **\*Nov. 12, 2002**

(54) **SYSTEM AND METHOD FOR PROTECTING A CLIENT DURING RUNTIME FROM HOSTILE DOWNLOADABLES**

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(75) Inventor: **Shlomo Touboul, Kefar-Haim (IL)**

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(73) Assignee: **Finjan Software, Ltd., Kefar-Haim (IL)**

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(\* ) Notice: 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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This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **09/551,302**

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(22) Filed: **Apr. 18, 2000**

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**Related U.S. Application Data**

(List continued on next page.)

(63) Continuation of application No. 08/790,097, filed on Jan. 29, 1997.

(60) Provisional application No. 60/030,639, filed on Nov. 8, 1996.

(51) **Int. Cl.<sup>7</sup>** ..... **H02H 3/05**

(52) **U.S. Cl.** ..... **713/200; 713/201**

(58) **Field of Search** ..... **713/200, 201, 713/202; 714/38, 704; 709/225, 229**

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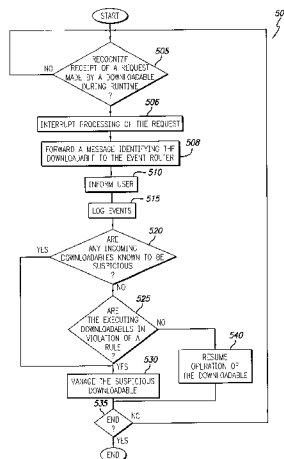
**ABSTRACT**

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A system protects a client from hostile Downloadables. The system includes security rules defining suspicious actions and security policies defining the appropriate responsive actions to rule violations. The system includes an interface for receiving incoming Downloadable and requests made by the Downloadable. The system still further includes a comparator coupled to the interface for examining the Downloadable, requests made by the Downloadable and runtime events to determine whether a security policy has been violated, and a response engine coupled to the comparator for performing a violation-based responsive action.

**51 Claims, 7 Drawing Sheets**



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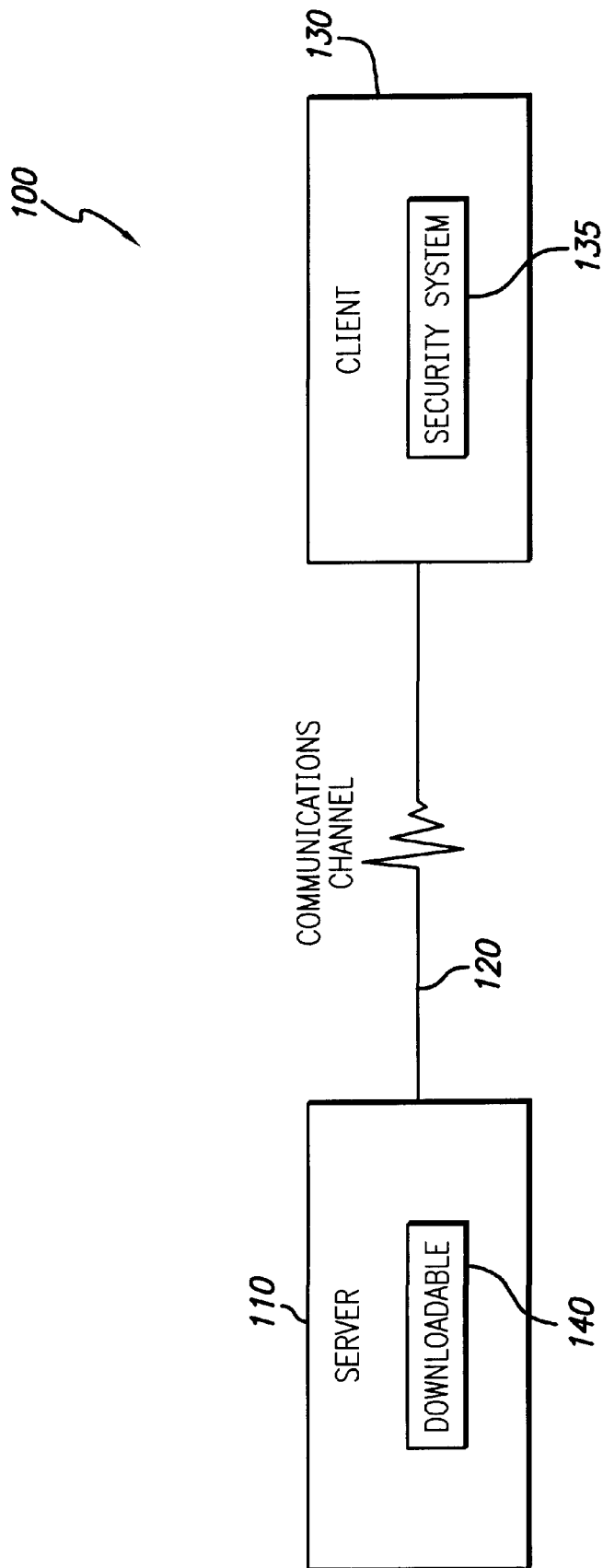
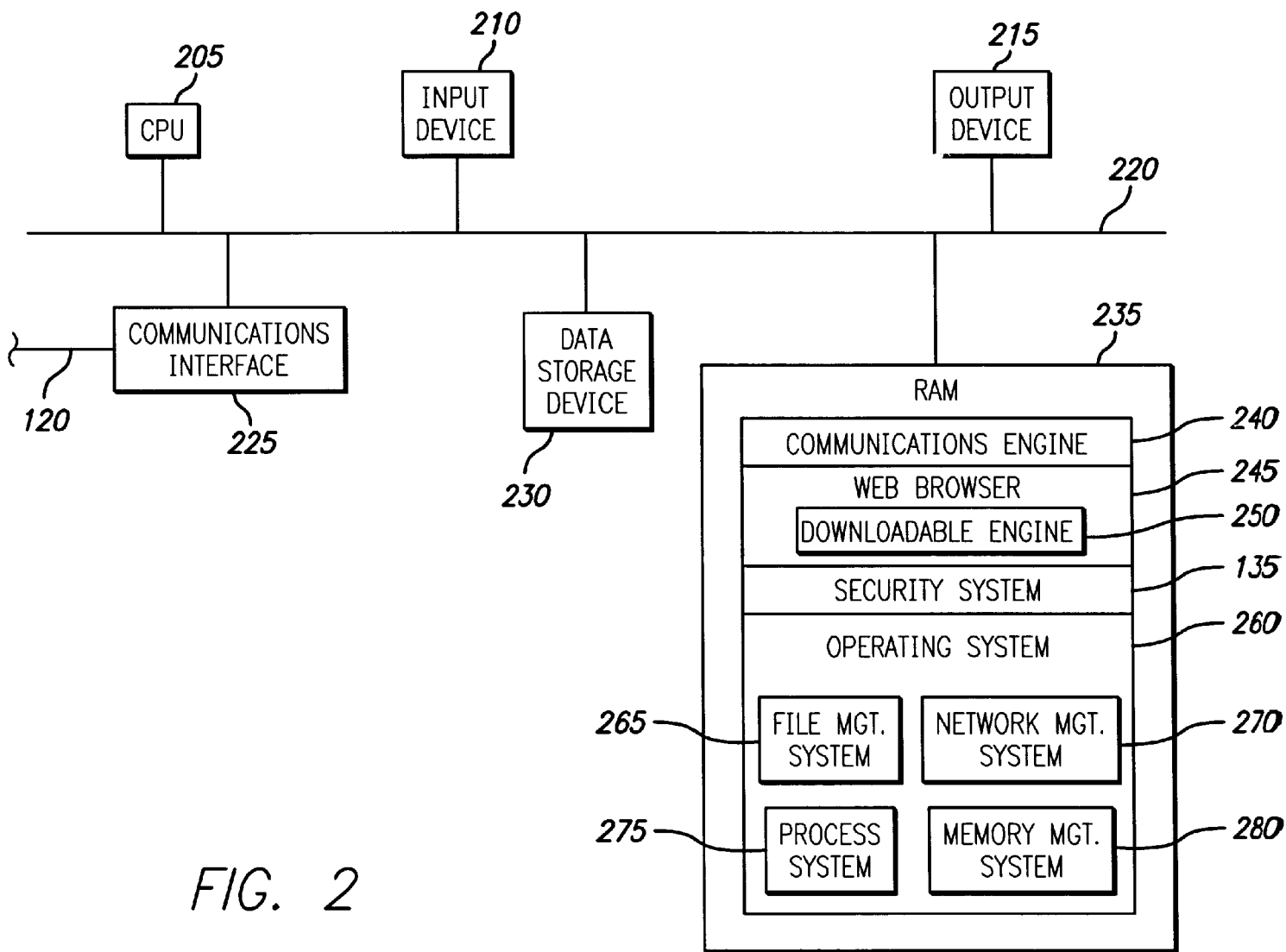


FIG. 1



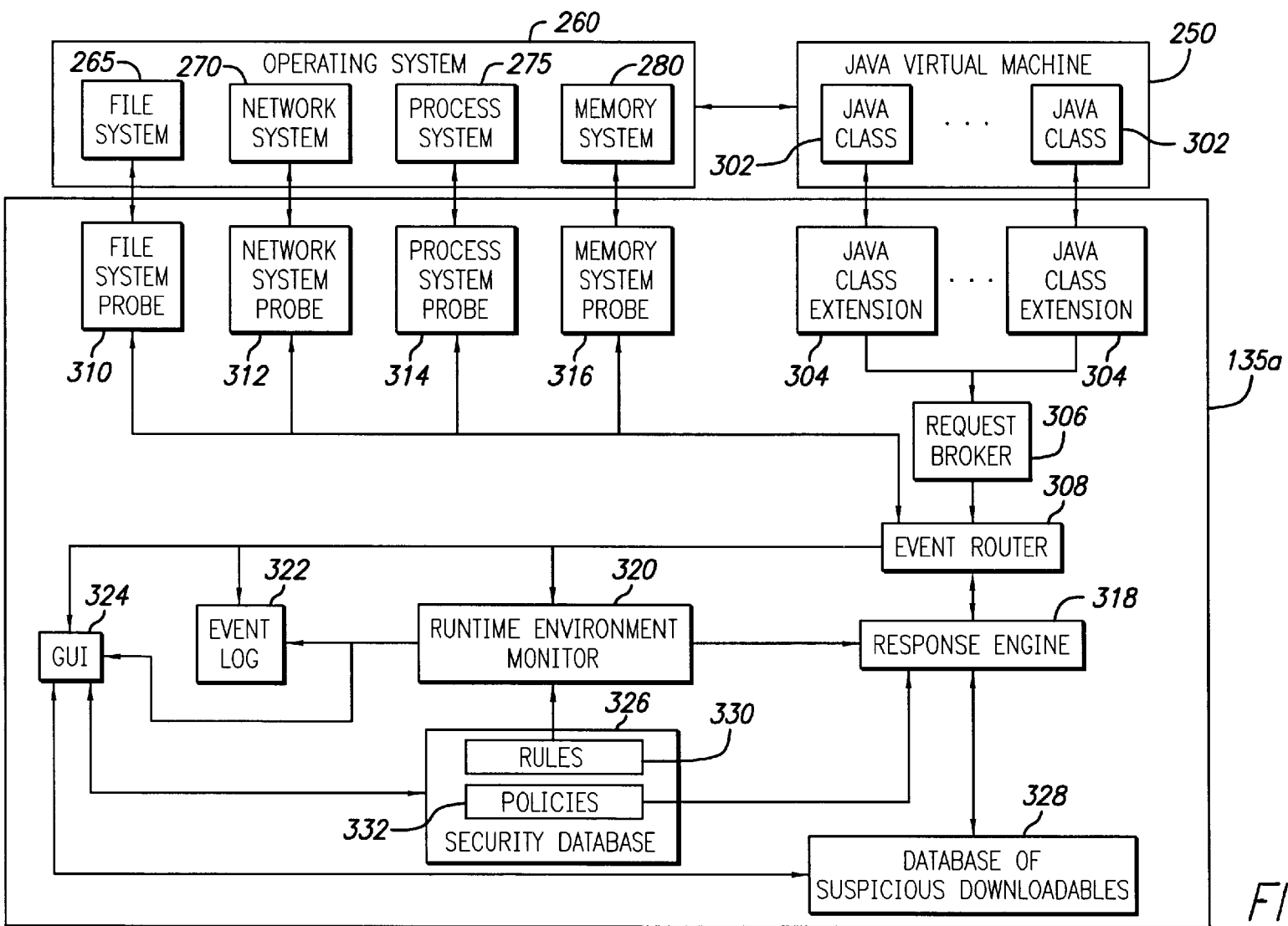


FIG. 3

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