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# United States Patent [19]

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Touboul

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[54] **SYSTEM AND METHOD FOR PROTECTING A CLIENT DURING RUNTIME FROM HOSTILE DOWNLOADABLES**

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[73] Assignee: **Finjan Software, Inc.**, San Jose, Calif.  
[21] Appl. No.: **08/790,097**  
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### Related U.S. Application Data

[60] Provisional application No. 60/030,639, Nov. 8, 1996.  
[51] **Int. Cl.**<sup>7</sup> ..... **G06F 11/30**; H04L 9/00  
[52] **U.S. Cl.** ..... **713/200**; 709/225  
[58] **Field of Search** ..... 395/186, 200.55,  
395/200.59; 364/222.5, 286.4, 286.5; 326/8;  
711/163; 713/200, 201; 380/4, 25

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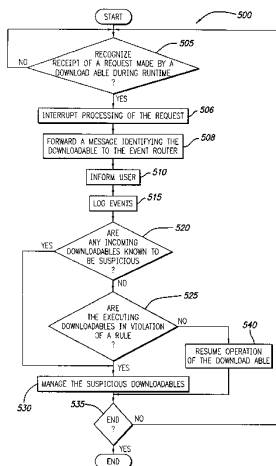
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### [57] ABSTRACT

A system and method examine execution or interpretation of a Downloadable for operations deemed suspicious or hostile, and respond accordingly. 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.

**8 Claims, 6 Drawing Sheets**



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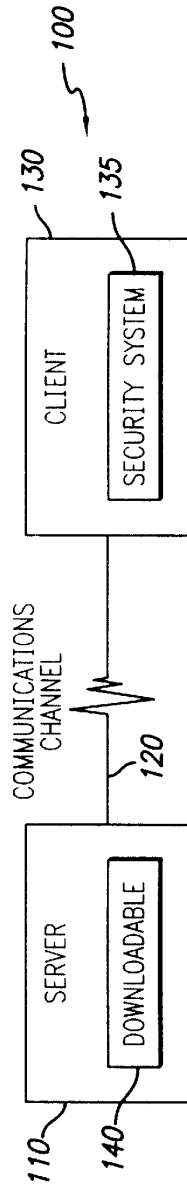


FIG. 1

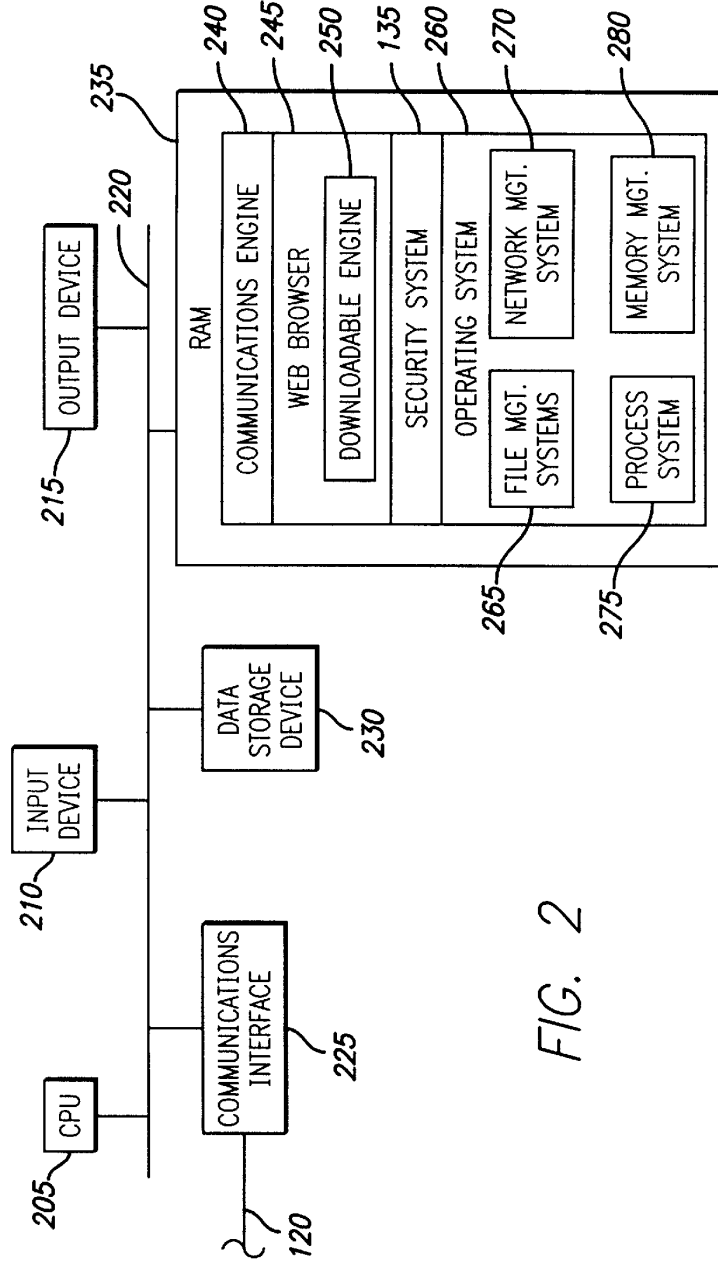
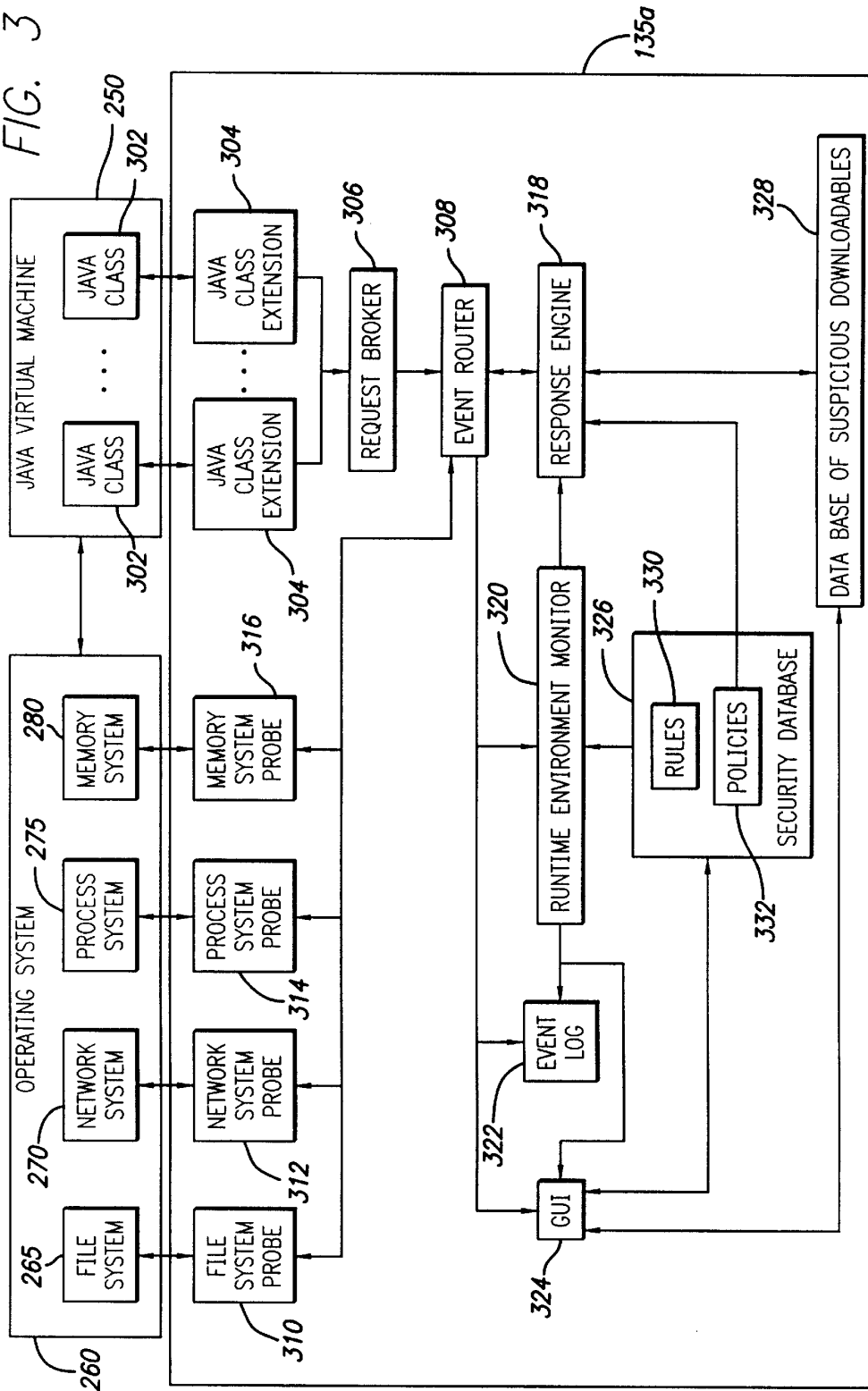


FIG. 2

FIG. 3



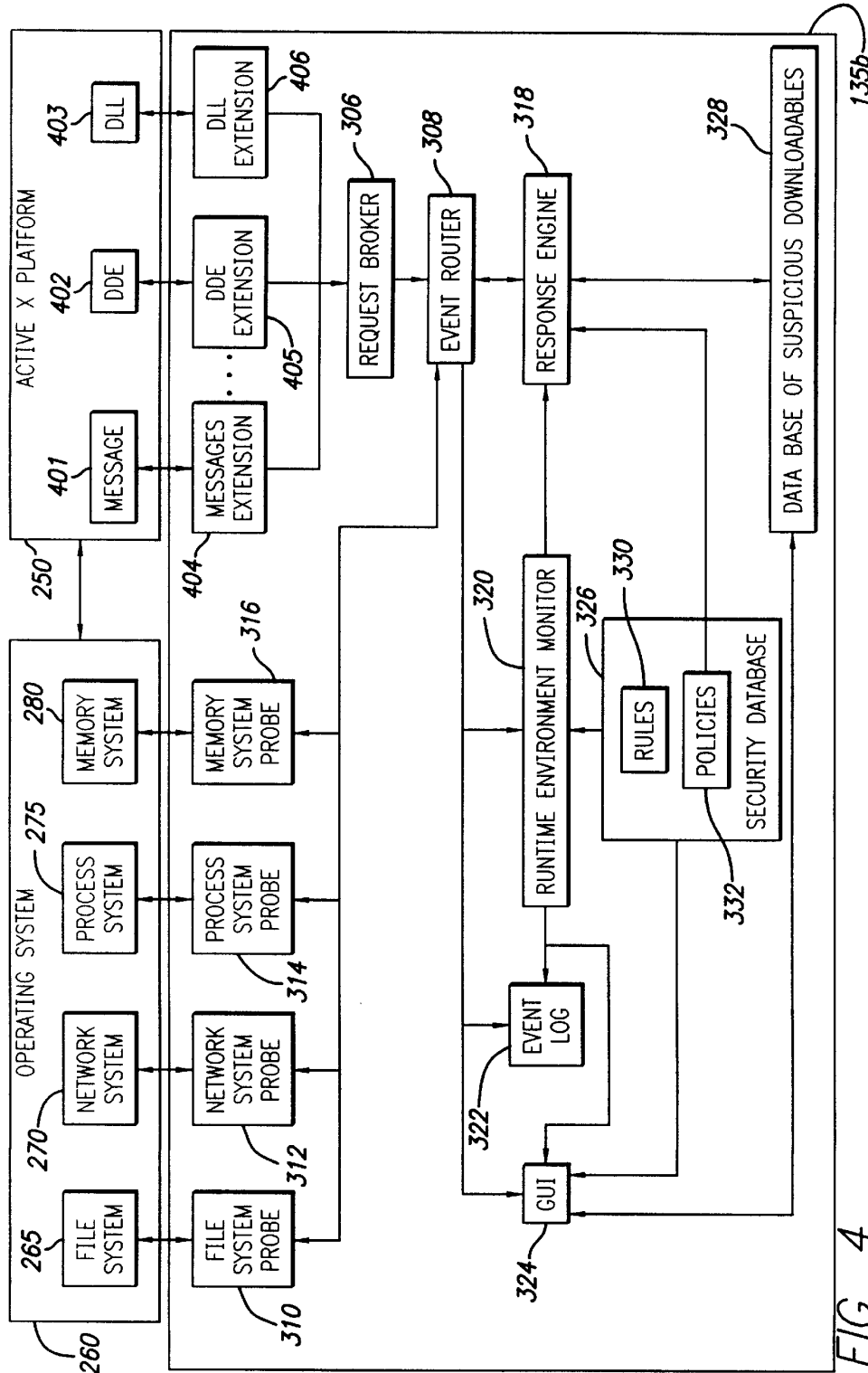


FIG. 4

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