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(12) **United States Patent**  
**Pinera et al.**

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(54) **REALTIME CONFIGURATION UPDATES  
AND SOFTWARE DISTRIBUTION TO  
ACTIVE CLIENT POSITIONS**

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Corporation**, Armonk, NY (US)

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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 311 days.

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(21) Appl. No.: **09/691,968**

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(22) Filed: **Oct. 19, 2000**

(51) **Int. Cl.**  
**G06F 9/44** (2006.01)  
**G06F 15/16** (2006.01)

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(52) **U.S. Cl.** ..... **717/172**; 709/202; 709/203  
(58) **Field of Classification Search** ..... 717/172,  
717/171, 173, 176-178; 709/203, 217, 219  
See application file for complete search history.

(57) **ABSTRACT**

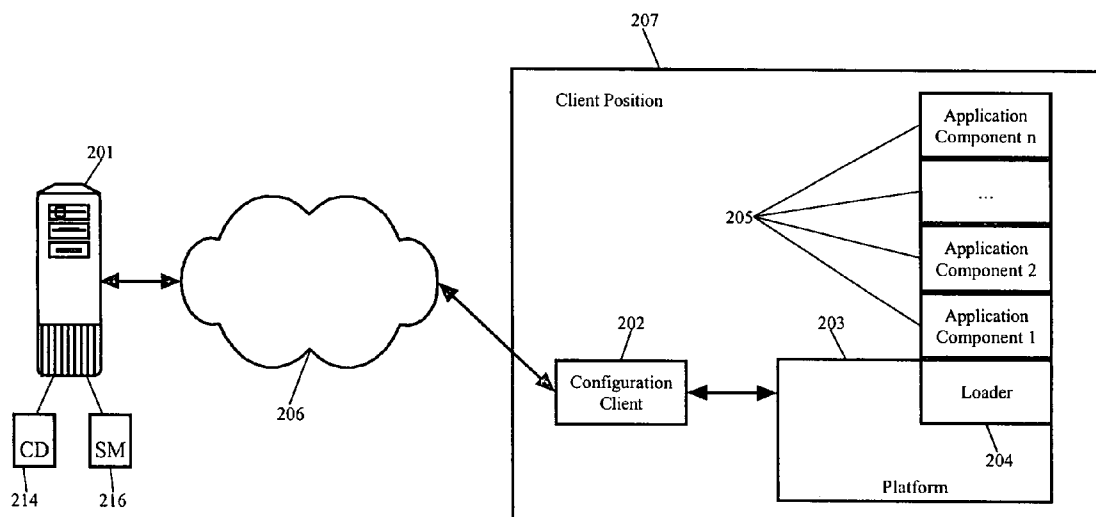
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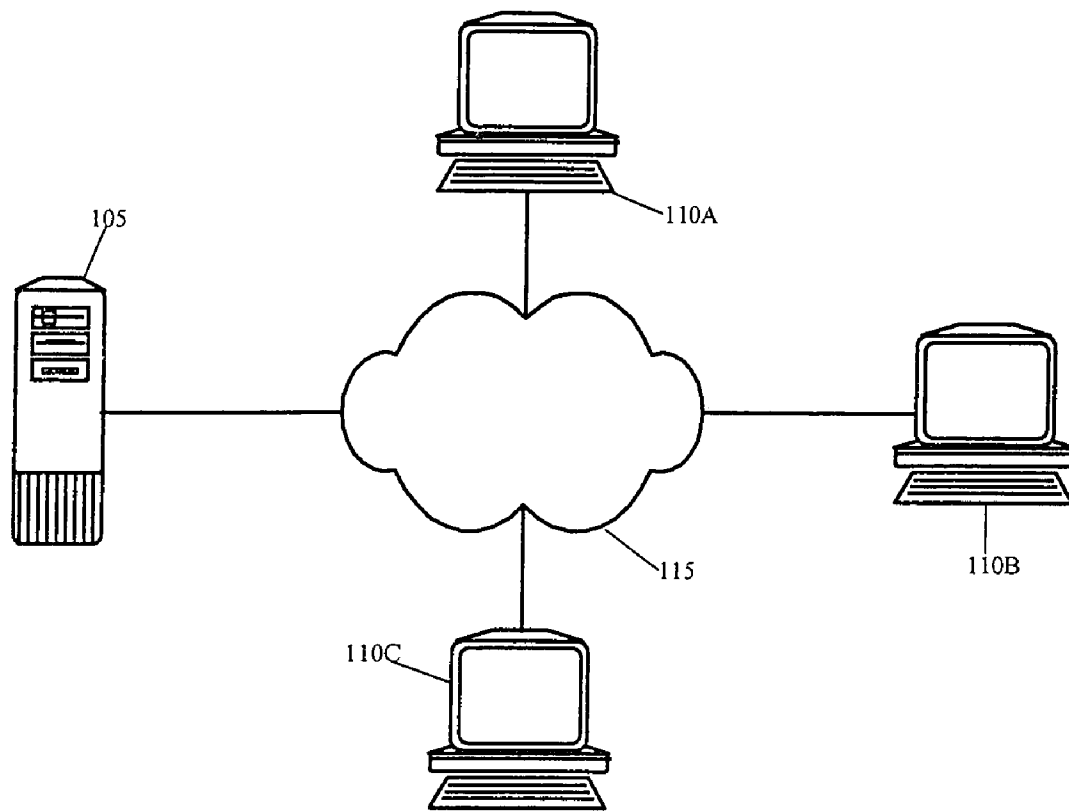
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A system for updating active client positions can include a platform for managing active application components; a configuration server for storing updates; and, a configuration client for receiving updates from the configuration server and communicating the received updates to the platform. The platform can receive the updates from the configuration client. Subsequently, the platform can terminate selected ones of the active application components. Then, the platform can apply the received updates to the terminated application components. Finally, the platform can reload the updated application components.

**27 Claims, 4 Drawing Sheets**



*FIG. 1*

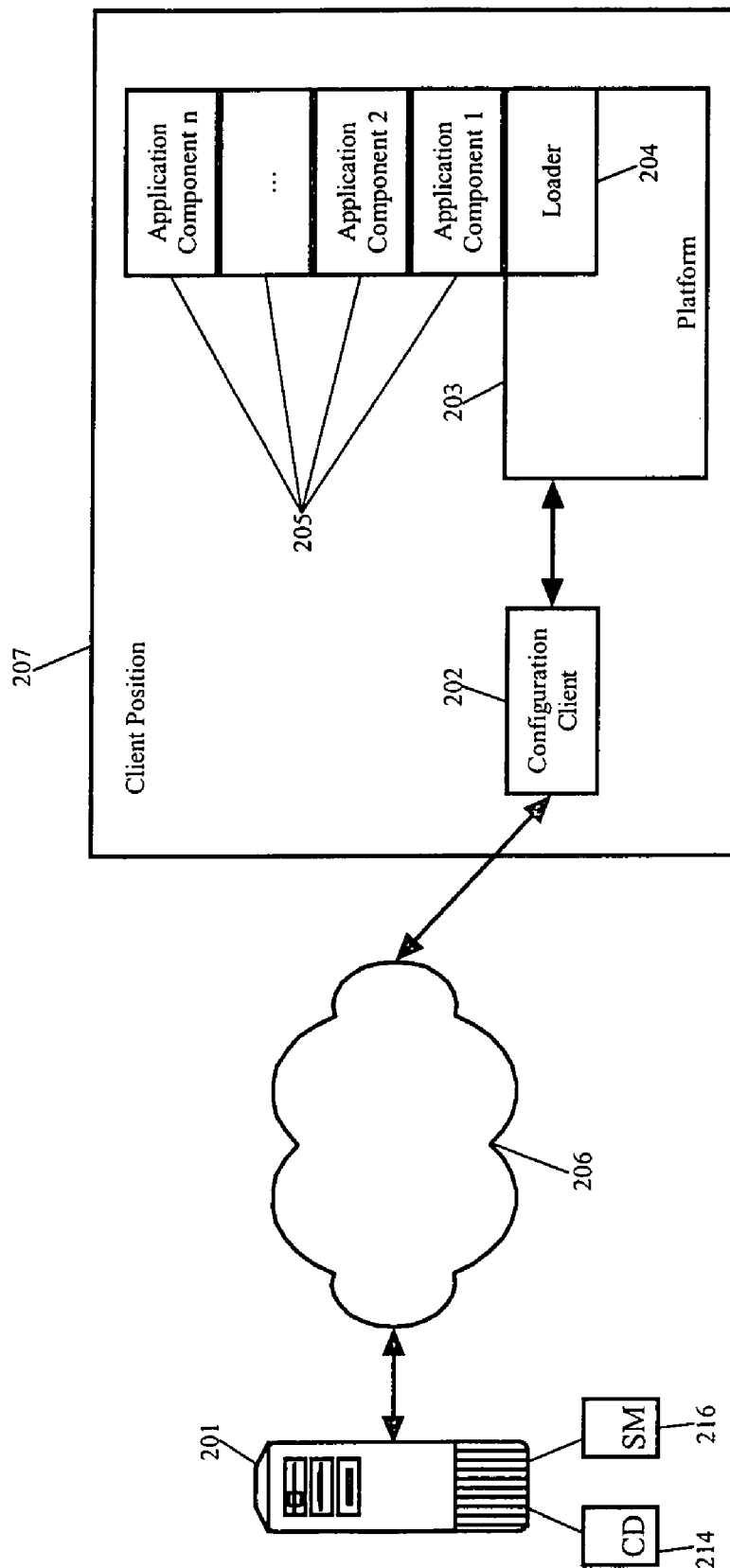


FIG. 2

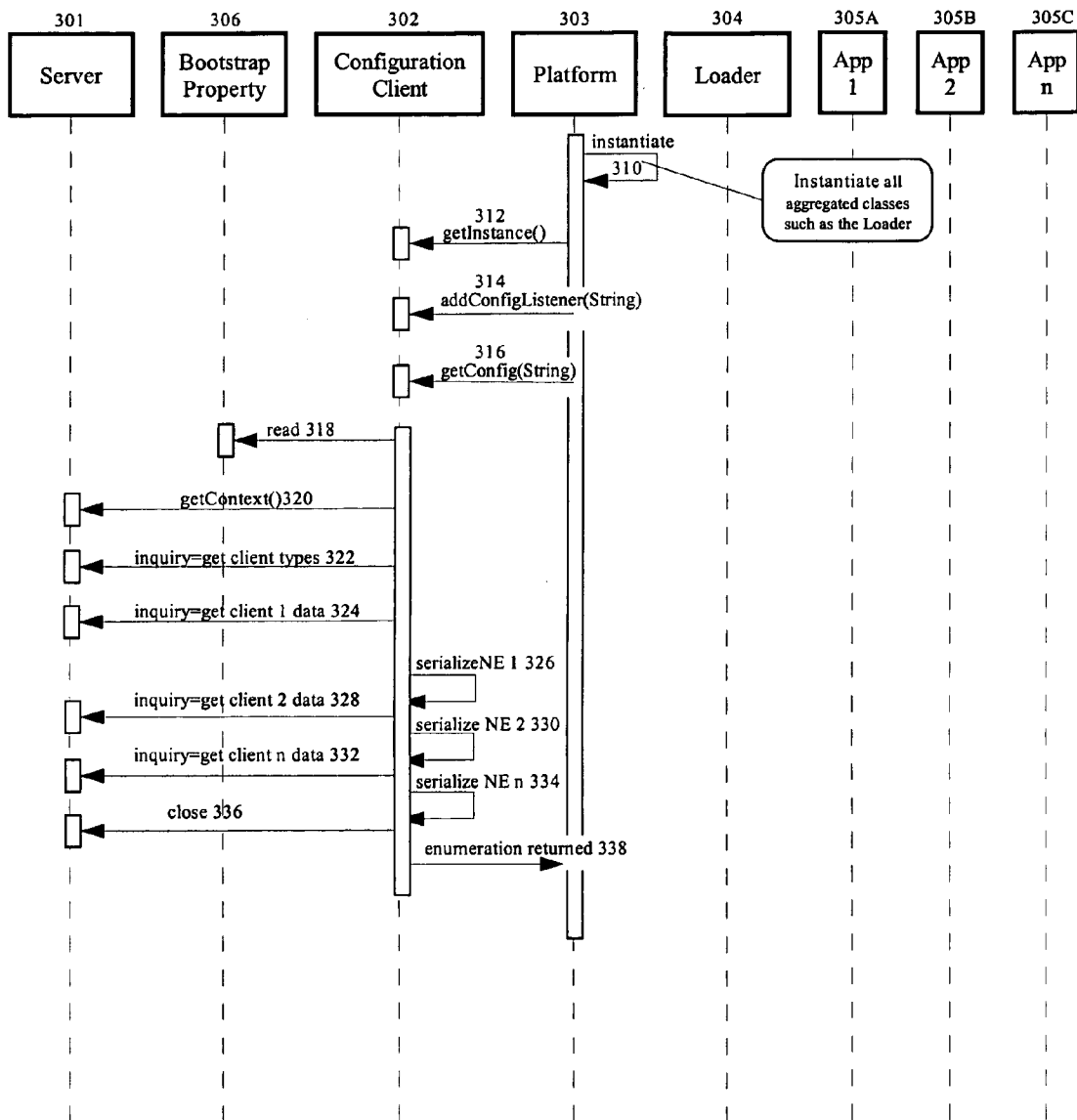
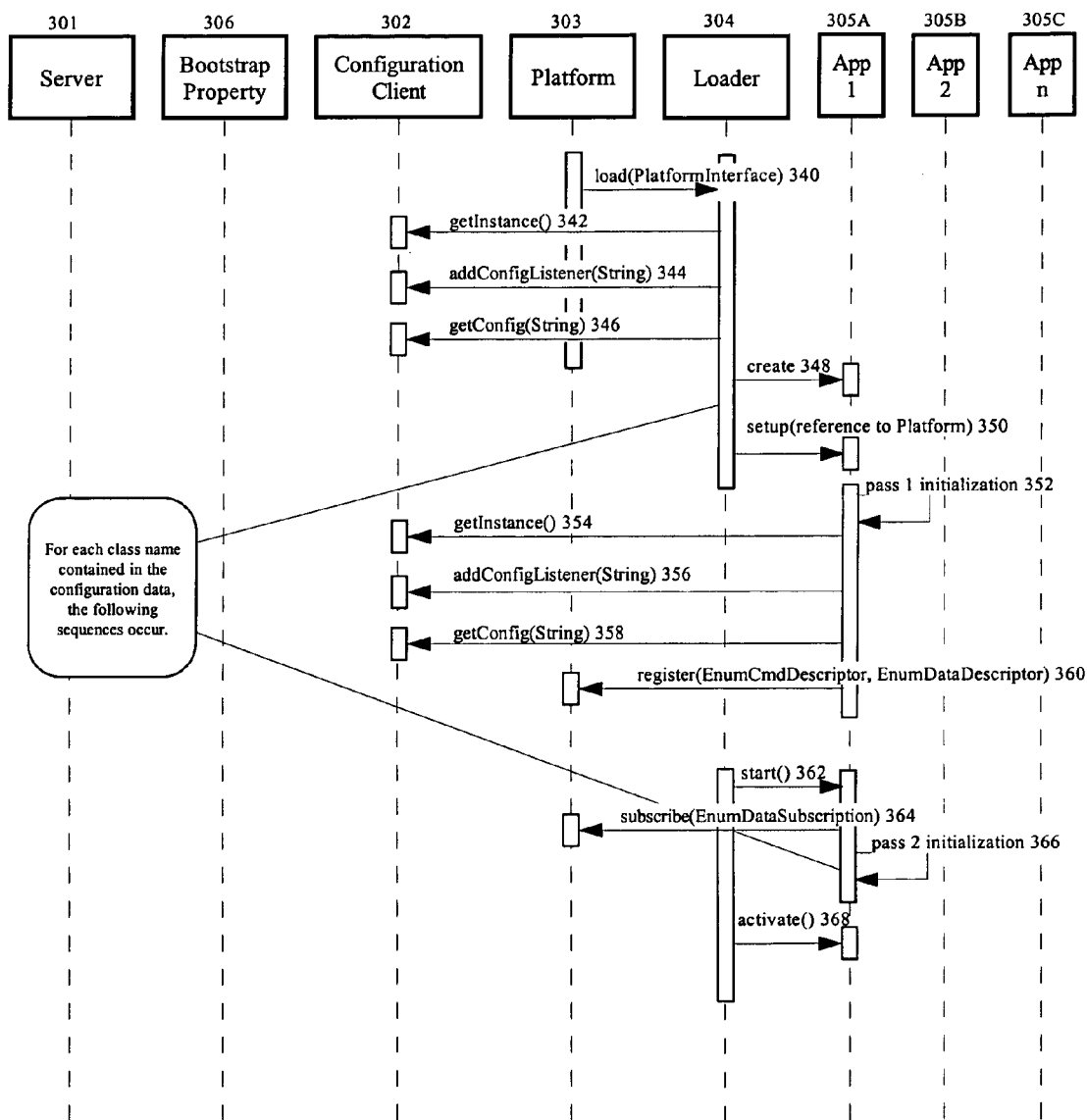


FIG. 3A

**FIG. 3B**

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