

(12) **United States Patent**
Chatterjee

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(54) **MODIFICATION OF TERMINAL AND SERVICE PROVIDER MACHINES USING AN UPDATE SERVER MACHINE**

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- (71) Applicant: **Sandeep Chatterjee**, Foster City, CA (US)
- (72) Inventor: **Sandeep Chatterjee**, Foster City, CA (US)
- (73) Assignee: **Shuv Gray LLC**, Foster City, CA (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 17 days.

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(65) **Prior Publication Data**

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Primary Examiner — Thuy Dao

Related U.S. Application Data

(74) *Attorney, Agent, or Firm* — Morgan, Lewis & Bockius LLP

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(57) **ABSTRACT**

A system including a terminal machine and a service provider machine is modified using a service provider machine. The terminal machine includes a terminal application for displaying a prompt in a first sequence of prompts and accepting a user data entry in a first series of data entries. The service provider machine includes a provider application for receiving the user data entry. The update server machine sends a dialogue module including a first and second set of updated code to the terminal machine and the service provider machine, respectively. The dialogue module does not modify computer-executable instructions saved on the terminal or service provider machines. The first and second set of updated code adapts the terminal application and provider application, respectively, to use a second sequence of prompts and a second sequence of data entries.

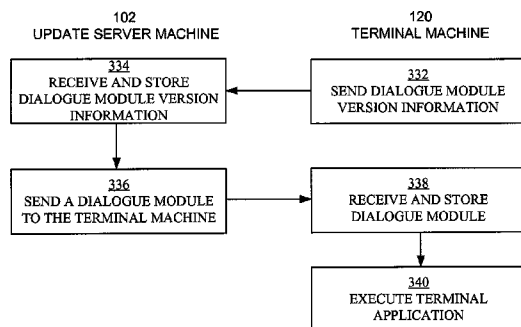
- (51) **Int. Cl.**
G06F 9/44 (2006.01)
G06F 9/445 (2006.01)
G06F 11/36 (2006.01)
H04W 4/00 (2009.01)

(52) **U.S. Cl.**
CPC **G06F 11/3664** (2013.01); **G06F 8/65** (2013.01); **G06F 9/4443** (2013.01); **H04W 4/003** (2013.01)

(58) **Field of Classification Search**
CPC G06F 11/3664; G06F 8/65; G06F 9/4443; H04W 4/003
See application file for complete search history.

26 Claims, 15 Drawing Sheets

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TERMINAL MACHINE DIALOGUE MODULE,
UPDATE SEQUENCE



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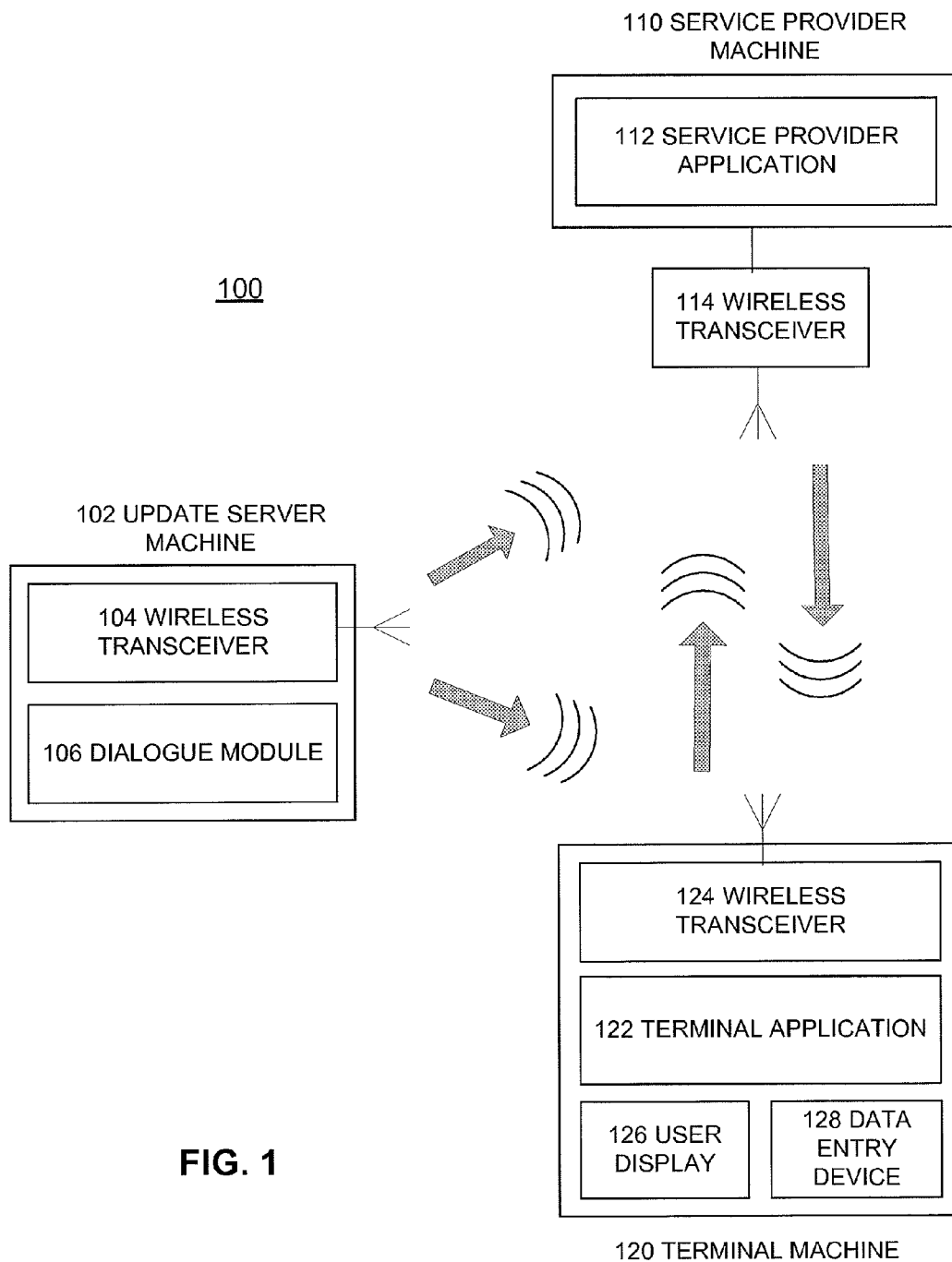
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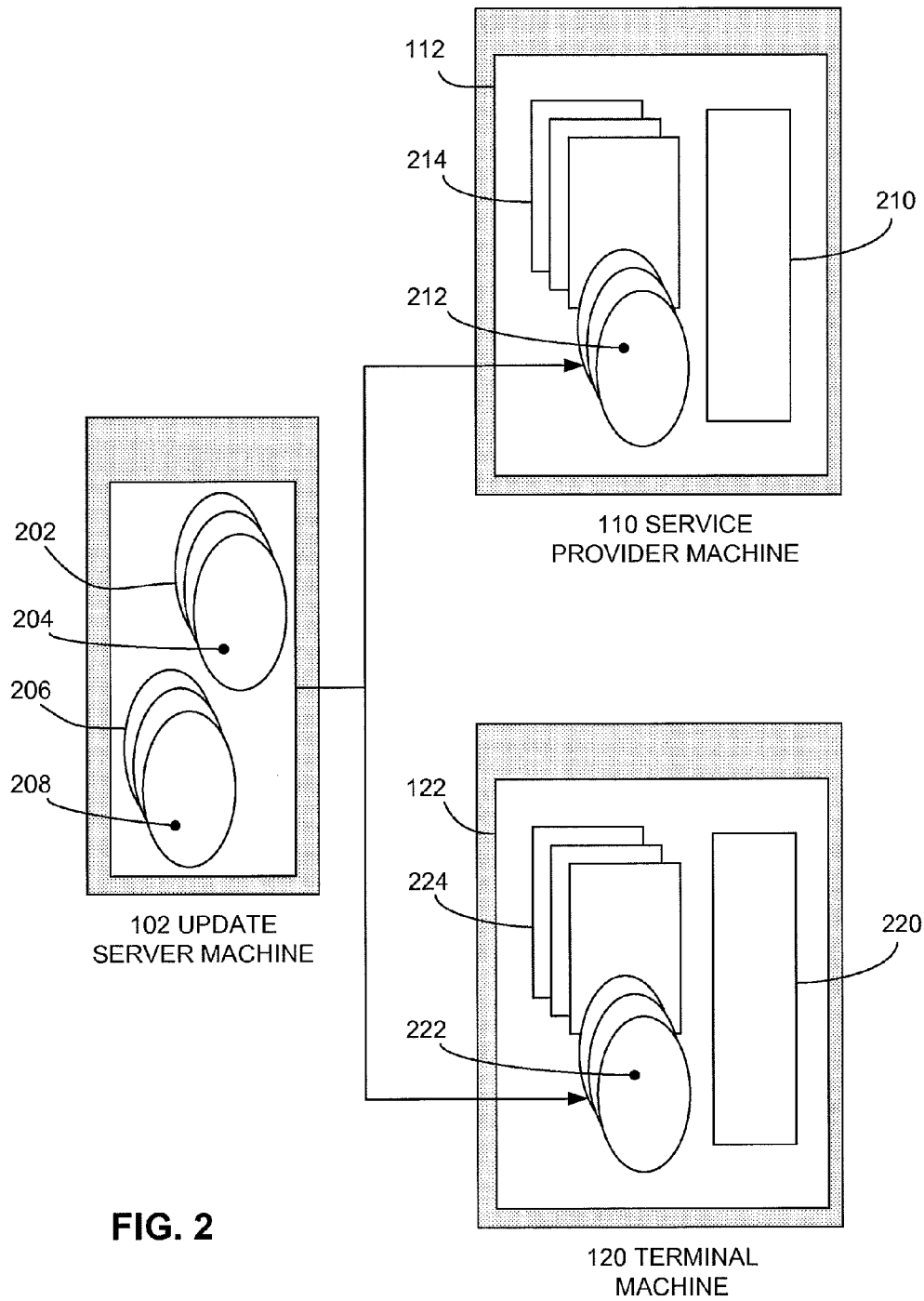


FIG. 2

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TERMINAL MACHINE DIALOGUE MODULE,
UPDATE SEQUENCE

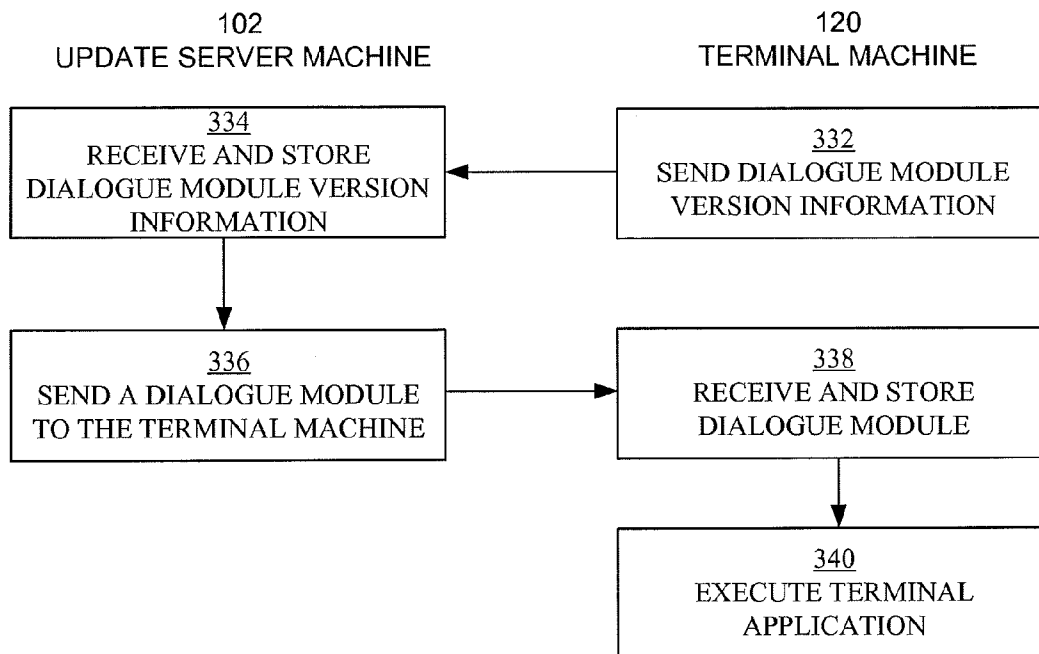


FIG. 3A

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