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[54] **PASSWORD HELPER USING A CLIENT-SIDE MASTER PASSWORD WHICH AUTOMATICALLY PRESENTS THE APPROPRIATE SERVER-SIDE PASSWORD TO A PARTICULAR REMOTE SERVER**

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[51] **Int. Cl.**[6] **G06F 12/14**
[52] **U.S. Cl.** **713/202**; 713/201; 709/203
[58] **Field of Search** 395/187.01, 200.5, 395/188.01, 200.33; 380/25; 713/202, 207; 709/220, 203

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[57] **ABSTRACT**

A user operating a client system may access a plurality of remote servers requiring passwords for access by employing a master password. The master password is used to decrypt a stored password for a particular remote server to which the client desires access. The client system maintains a database of encrypted passwords and user IDs for remote servers to which the user is registered. Although each remote server is accessed using a different password, the user need only remember one master password. Since only the master password need be remembered, the passwords particular to specific remote sites may be made more random and thus more secure. Implementation of the password management system need not require modification of any remote servers.
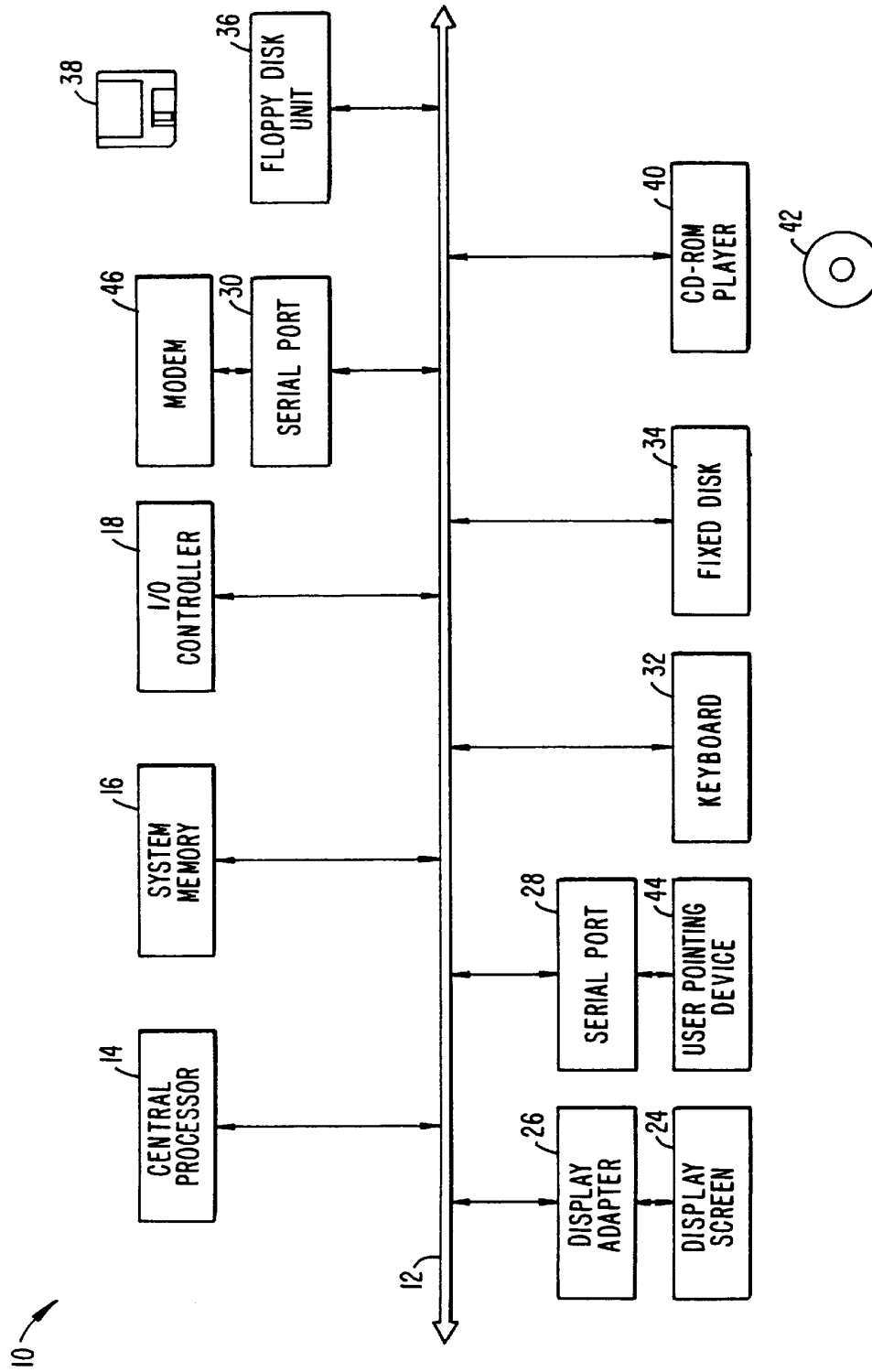
12 Claims, 5 Drawing Sheets
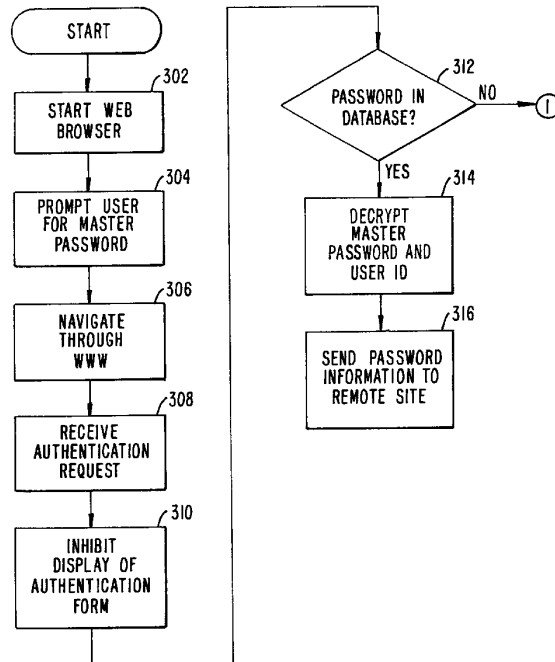
FIG. IA.
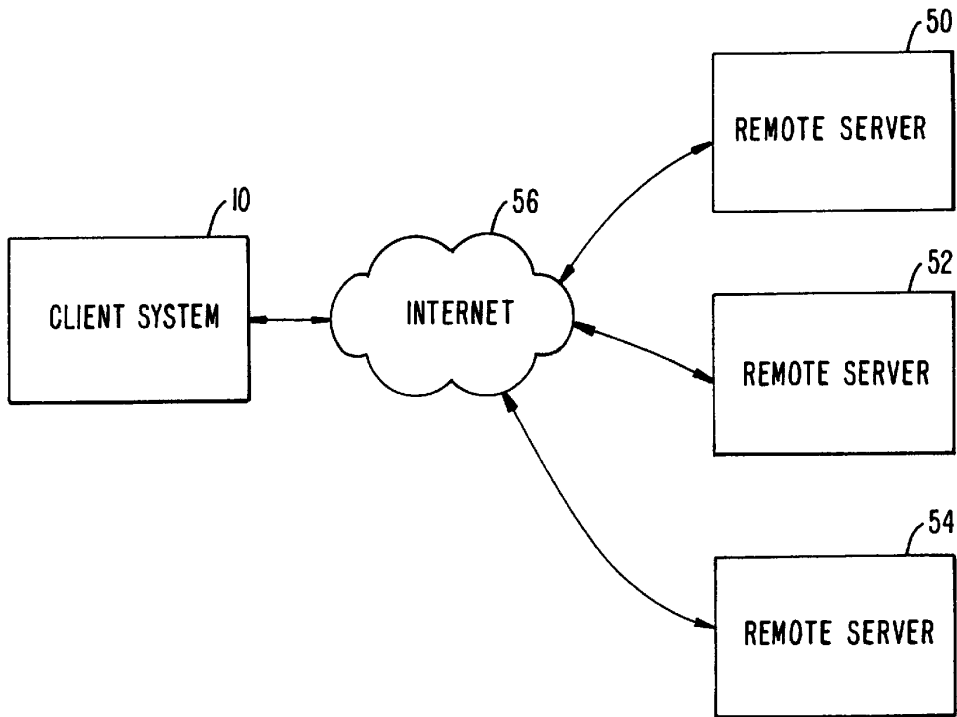
FIG. 1B.

200

URL	PASSWORD (ENCRYPTED)	USER ID (ENCRYPTED)
202	204	206

FIG. 2.

START

START WEB BROWSER — 302

PROMPT USER FOR MASTER PASSWORD — 304

NAVIGATE THROUGH WWW — 306

RECEIVE AUTHENTICATION REQUEST — 308

INHIBIT DISPLAY OF AUTHENTICATION FORM — 310

PASSWORD IN DATABASE? — 312   NO → ①

YES

DECRYPT MASTER PASSWORD AND USER ID — 314

SEND PASSWORD INFORMATION TO REMOTE SITE — 316

FIG. 3.

DOCKET ALARM
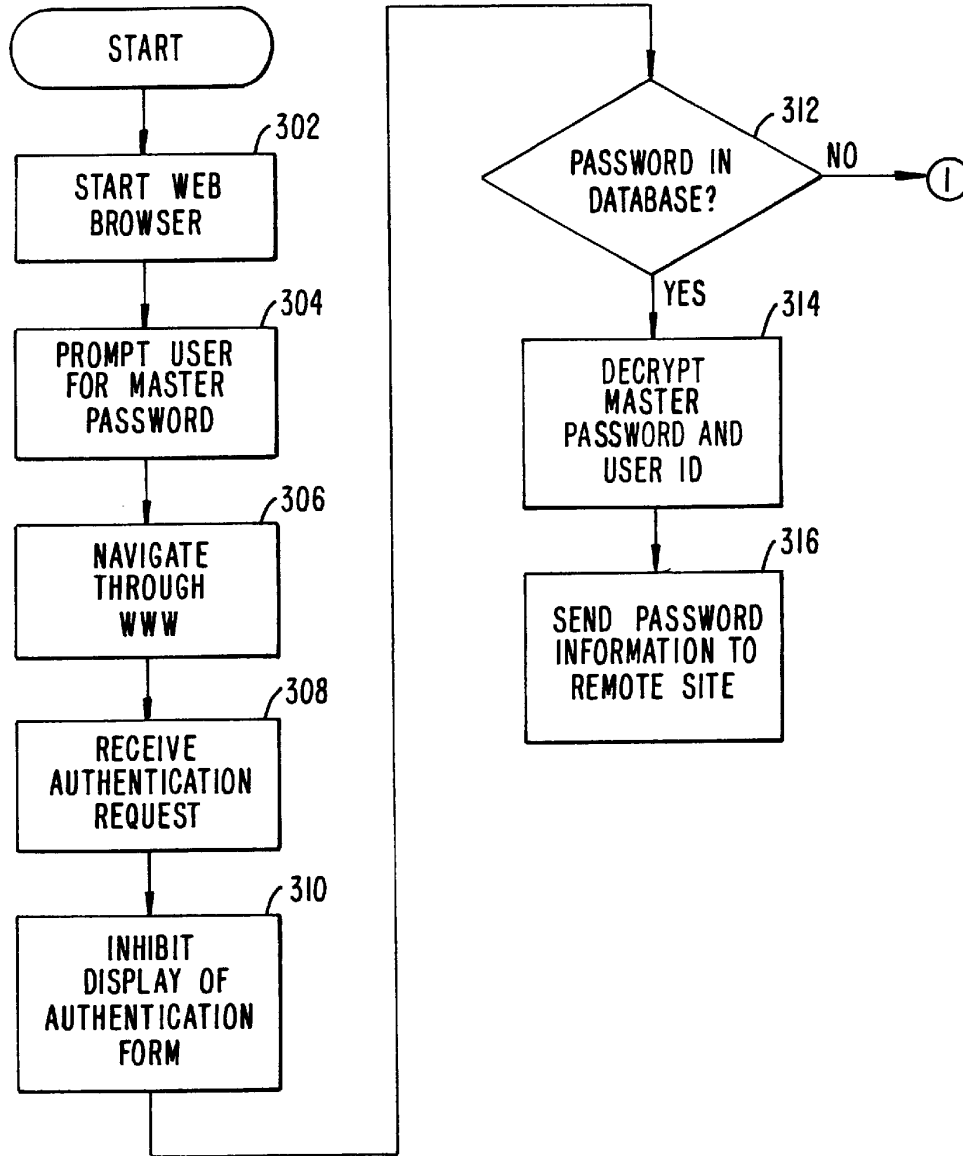
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