



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

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(54) **SINGLE SIGN-ON (SSO) MECHANISM
PERSONAL KEY MANAGER**
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(51) **Int. Cl.**⁷ **H04L 9/00**

(52) **U.S. Cl.** **713/202; 713/201; 713/183;**
709/229; 707/9

(58) **Field of Search** **713/201, 153,**
713/155, 183, 202; 709/229; 707/9

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Primary Examiner—Robert Beausoleil

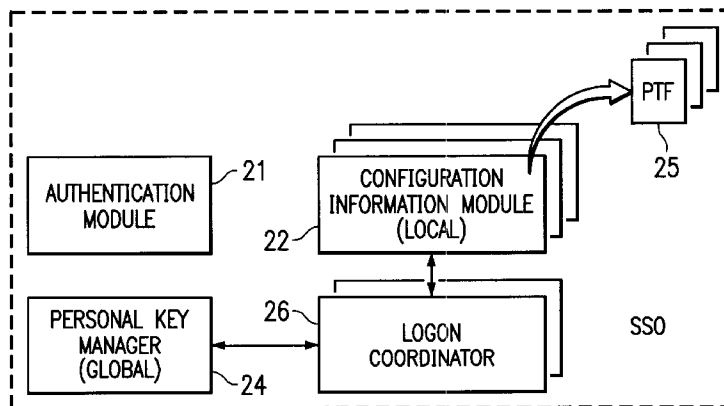
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(57) **ABSTRACT**

A method of managing passwords of users desiring access to
multiple target resources in a computer enterprise environ-
ment. For each given user, each of a set of id/password pairs
is associated to each of a set of one or more respective
targets. Each id/password pair is normally required to access
a respective target resource. The targets of each given user
are stored in a globally-accessible database. In response to
entry by a given user at a client machine of a single-sign on
(SSO) id/password, the globally-accessible database is
accessed from a personal key manager (PKM) server to
retrieve the targets of the given user. The targets are returned
to the PKM server, which then uses data therein to access the
respective target resources on behalf of the given user at the
client machine.

31 Claims, 8 Drawing Sheets



Plaid Technologies Inc.

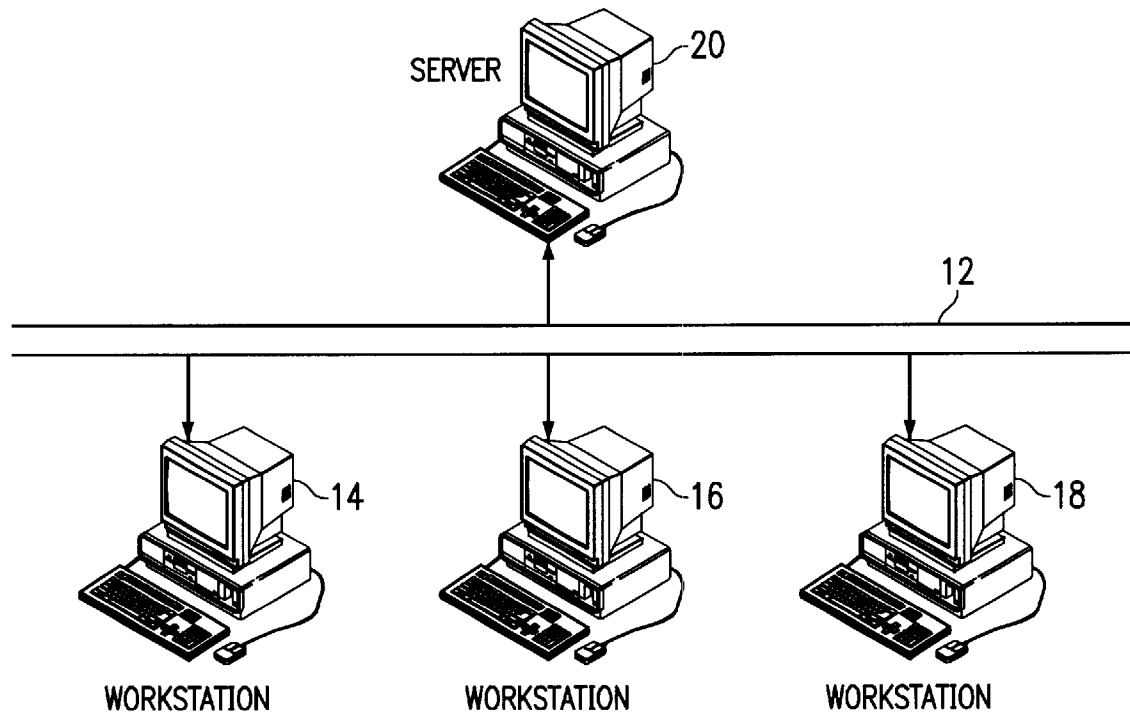


FIG. 1

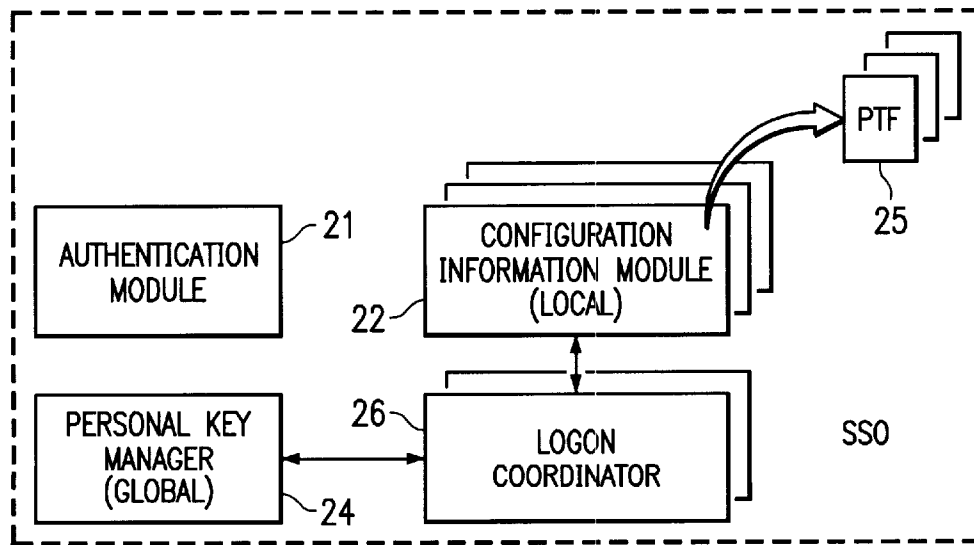
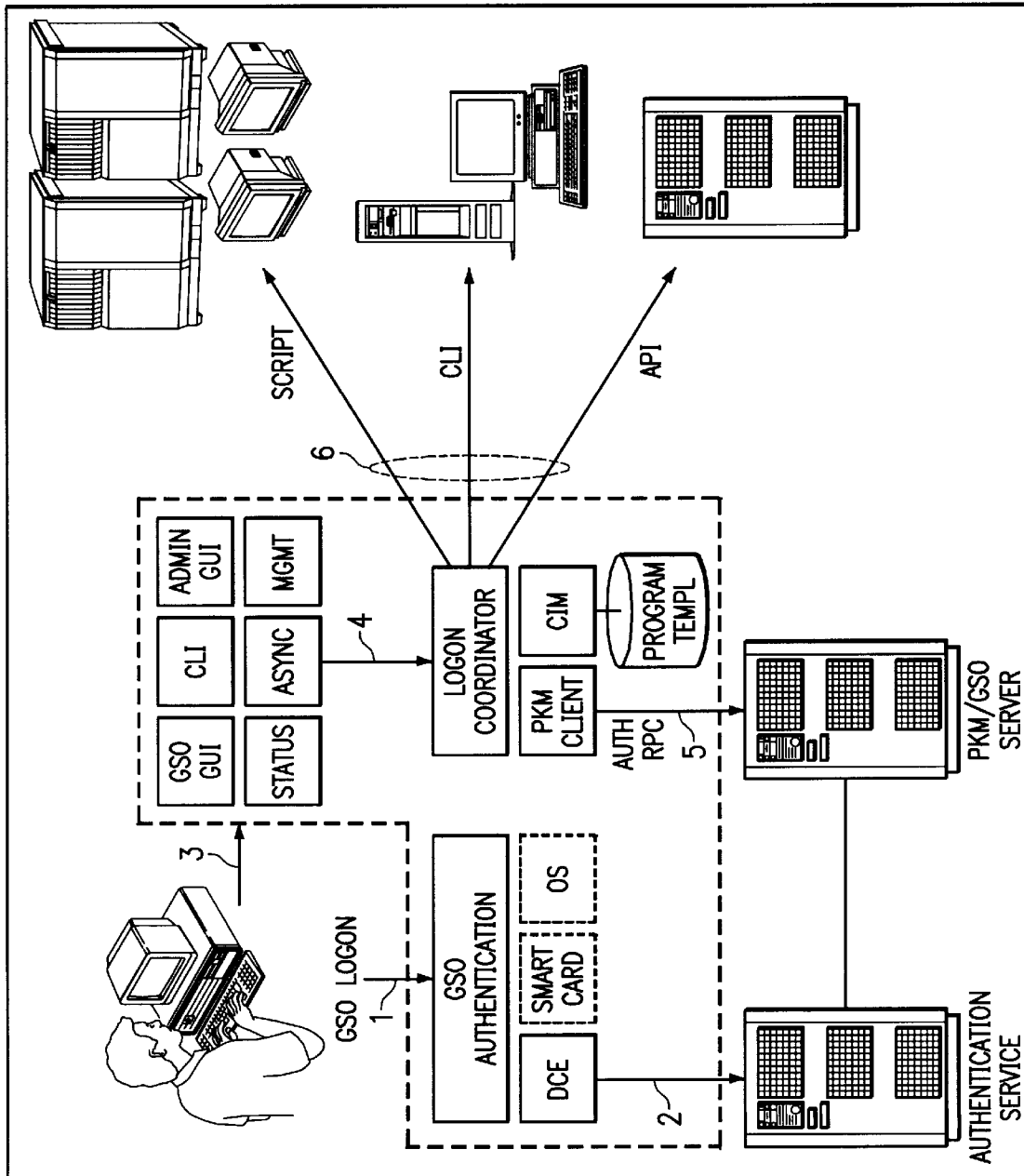


FIG. 2

FIG. 3



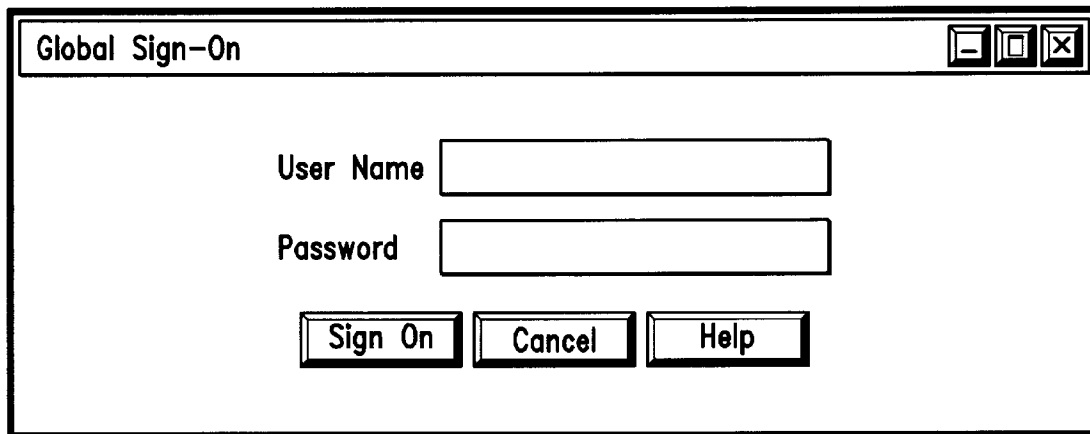


FIG. 4

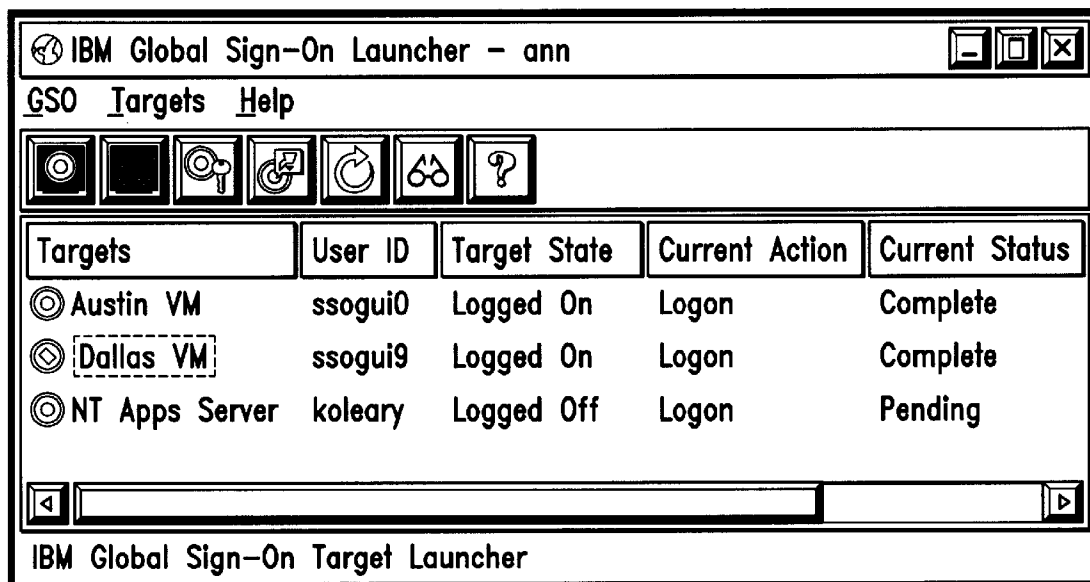


FIG. 5

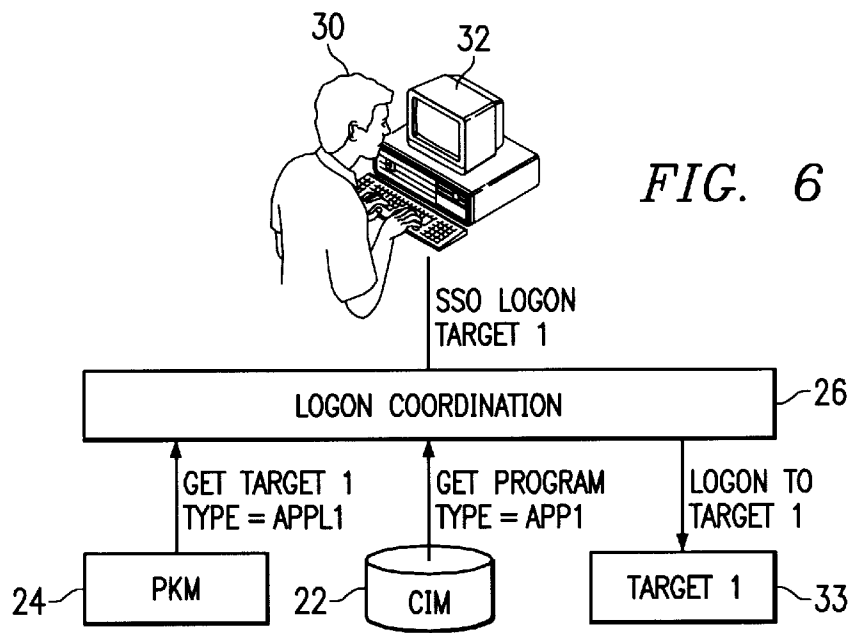


FIG. 6

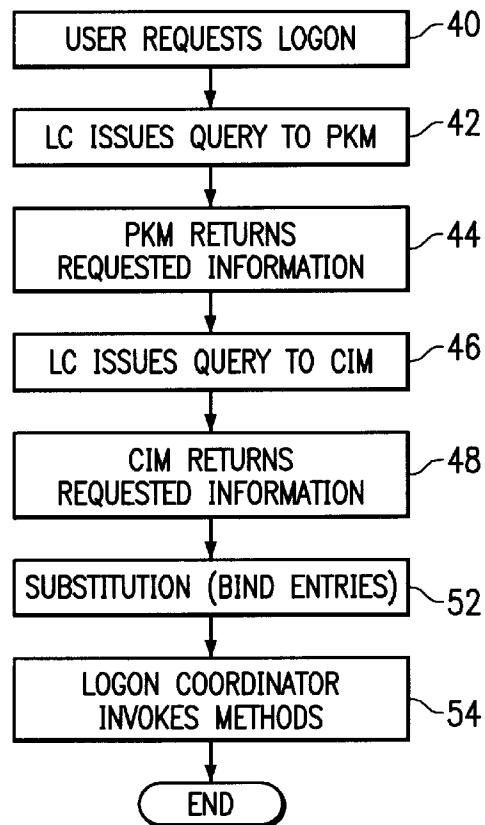


FIG. 7

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