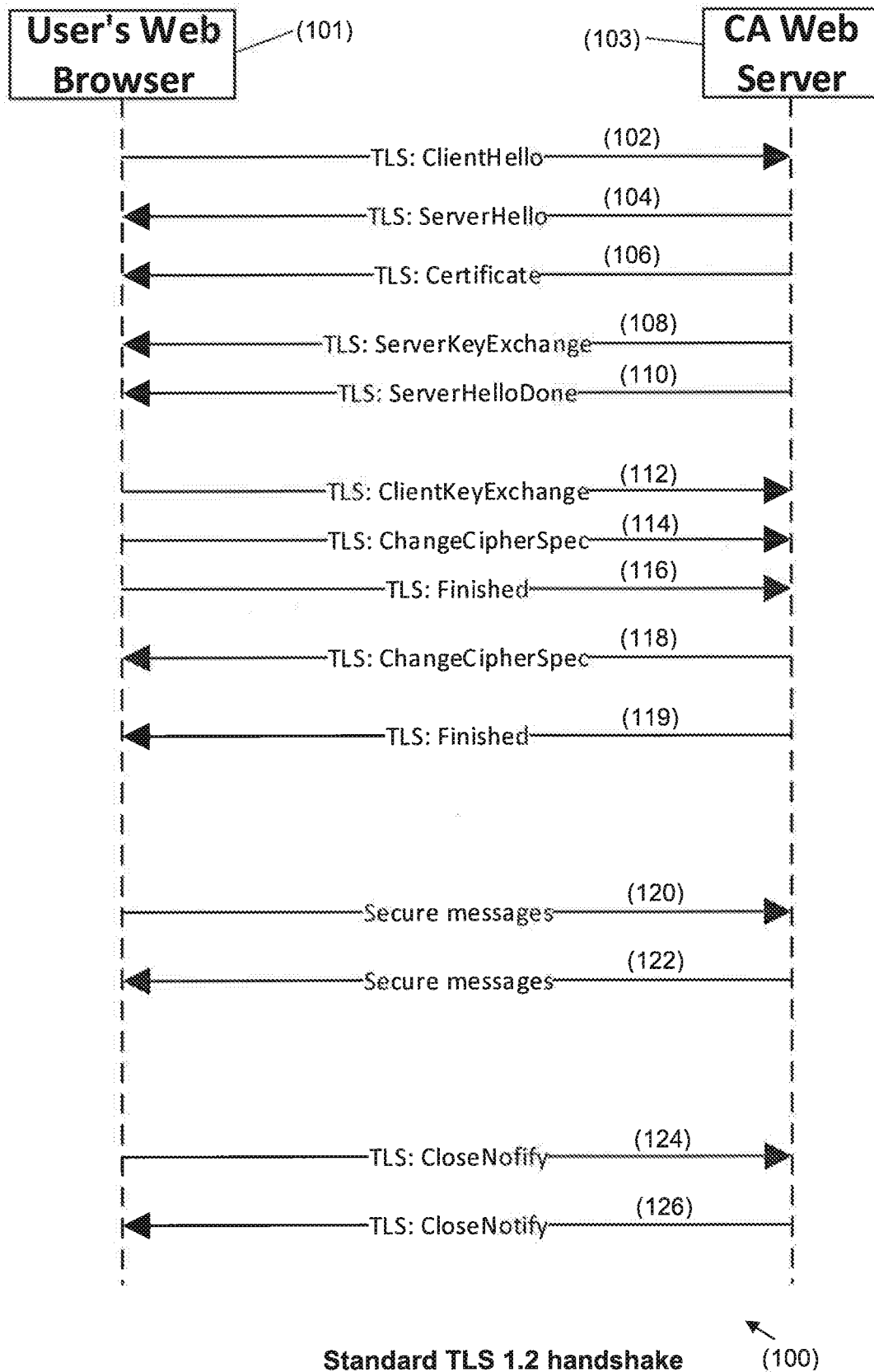
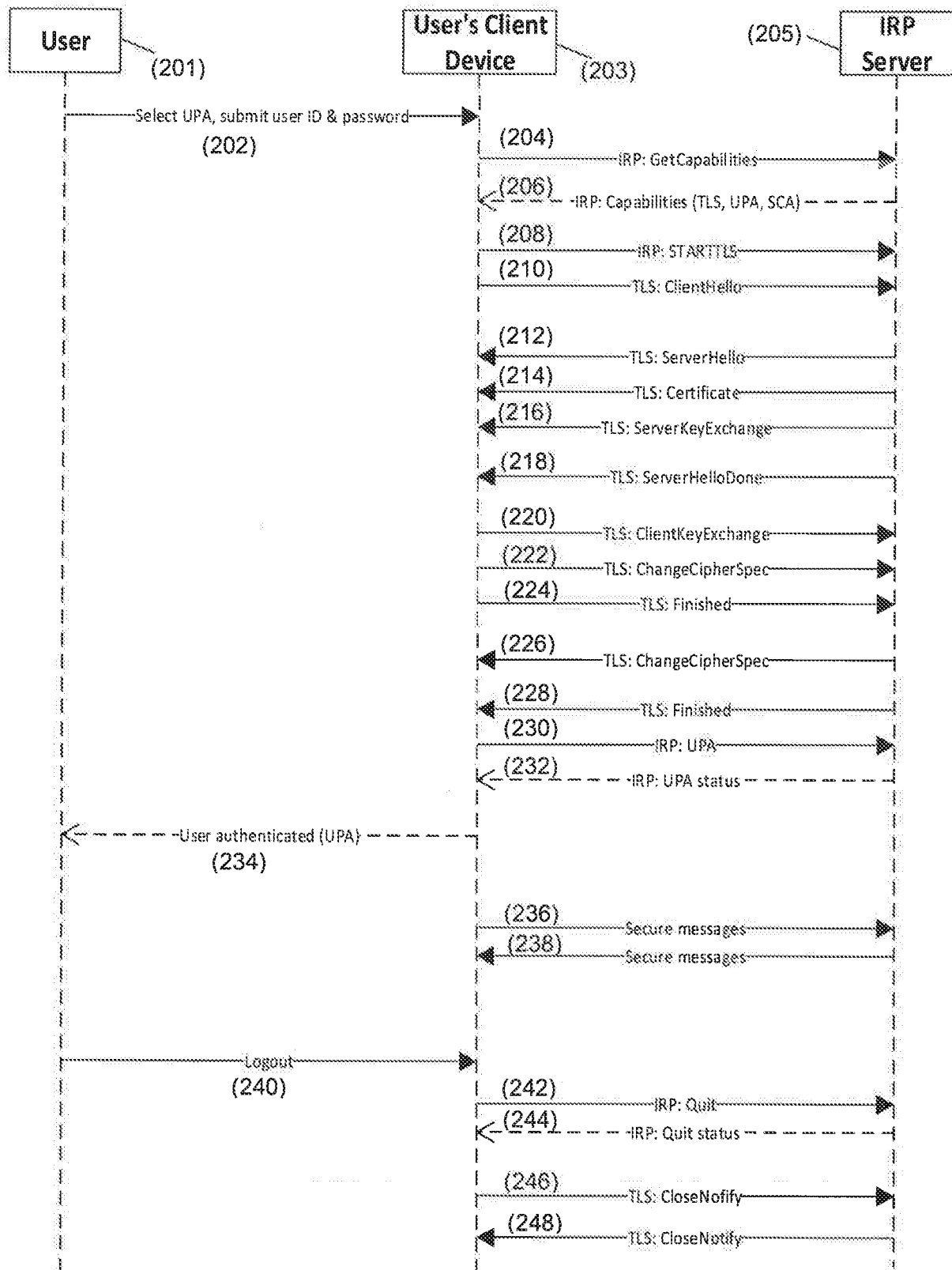


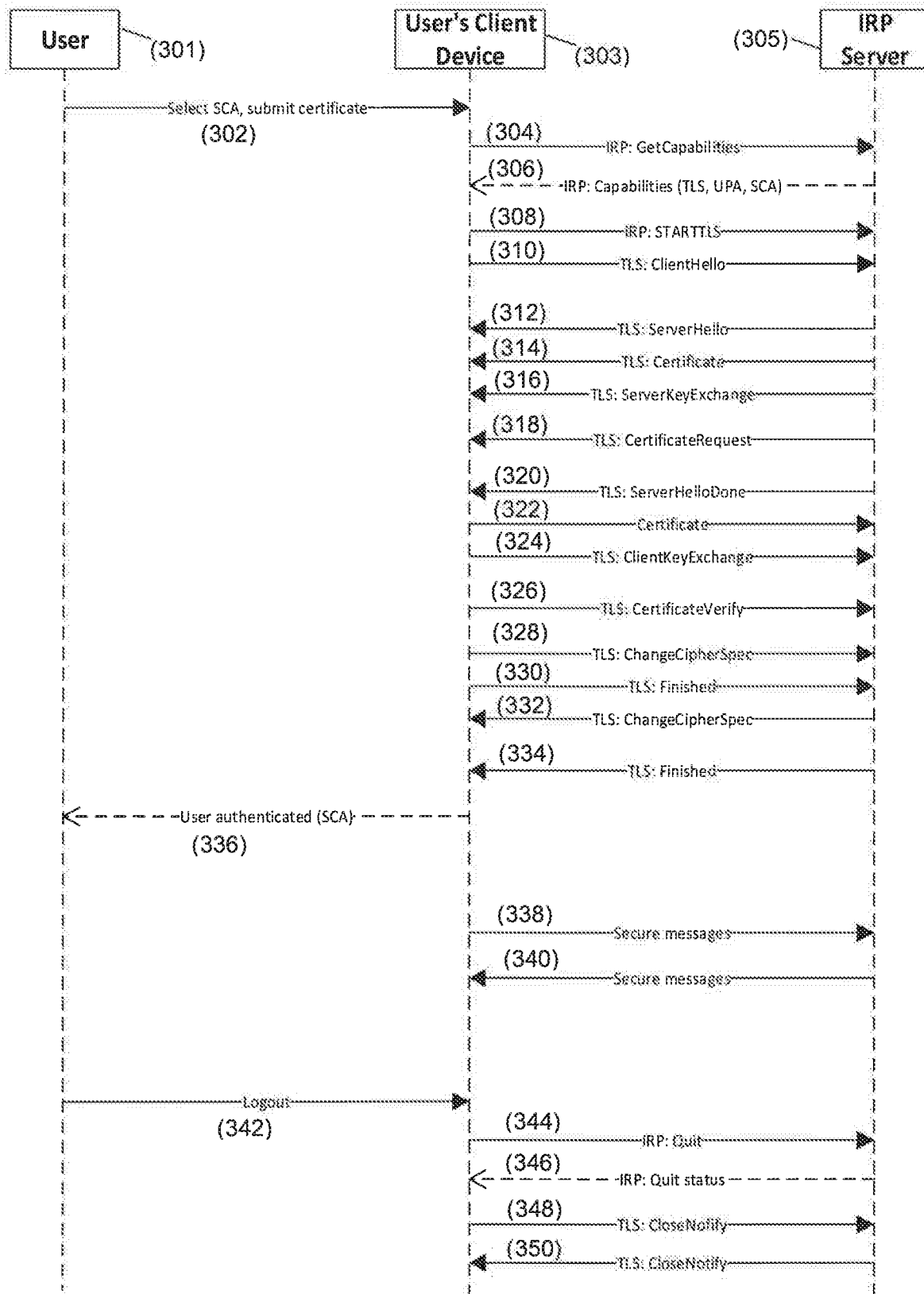
**FIGURE 1 (PRIOR ART)**



UPA – TLS 1.2 with Server Authentication &amp; Password Authentication

FIGURE 2

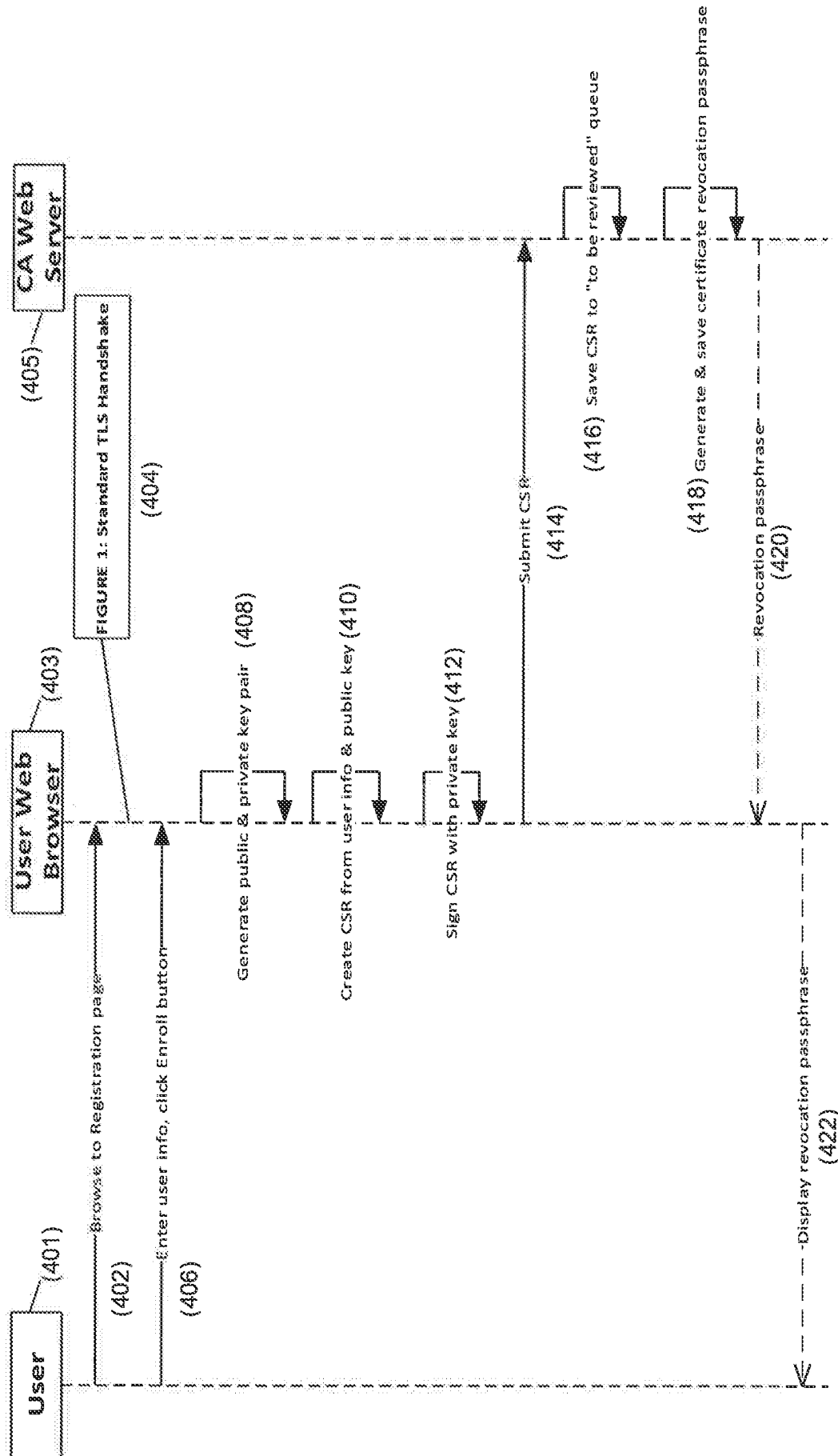
(200)



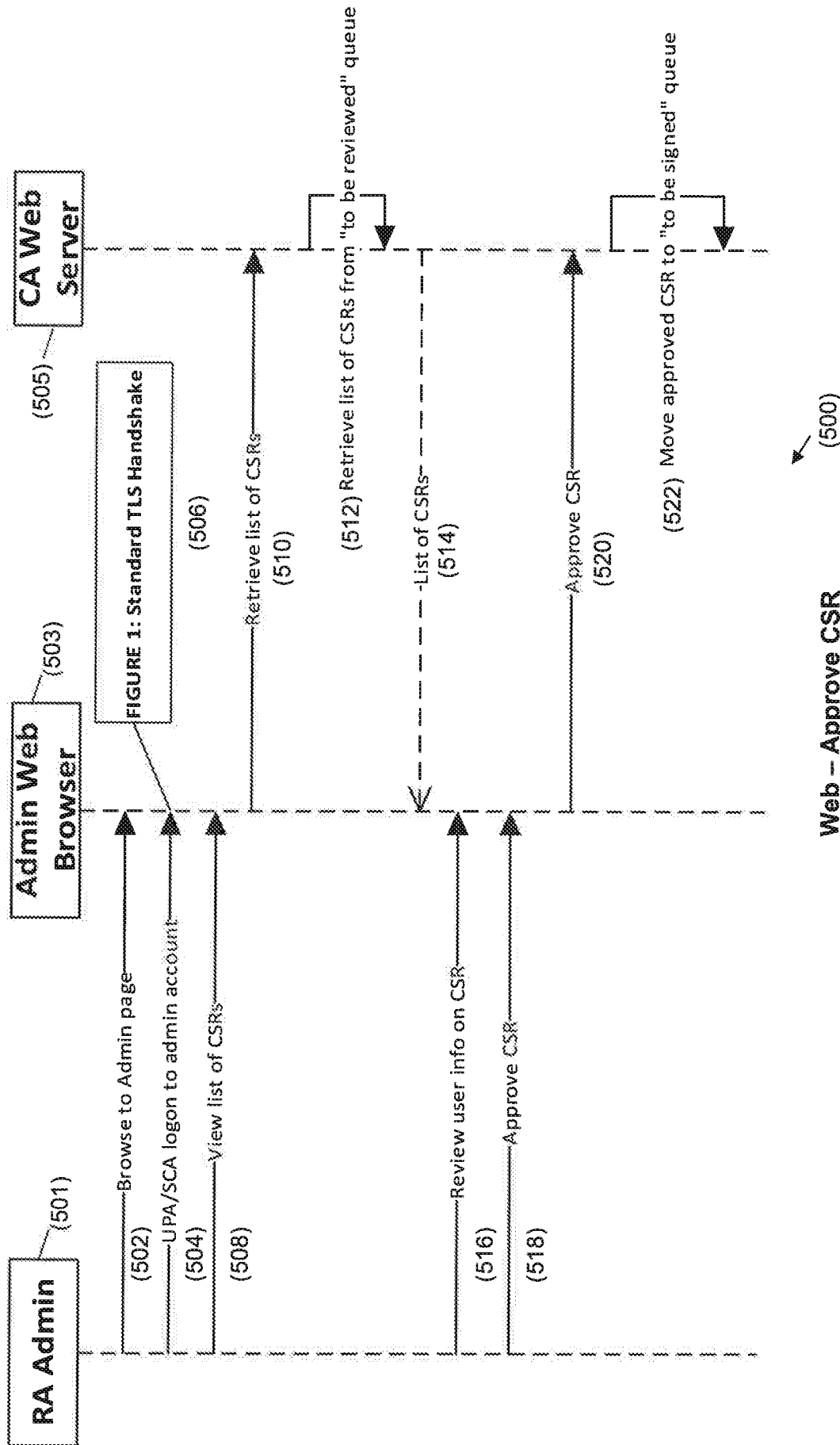
SCA - TLS 1.2 with Mutual Authentication

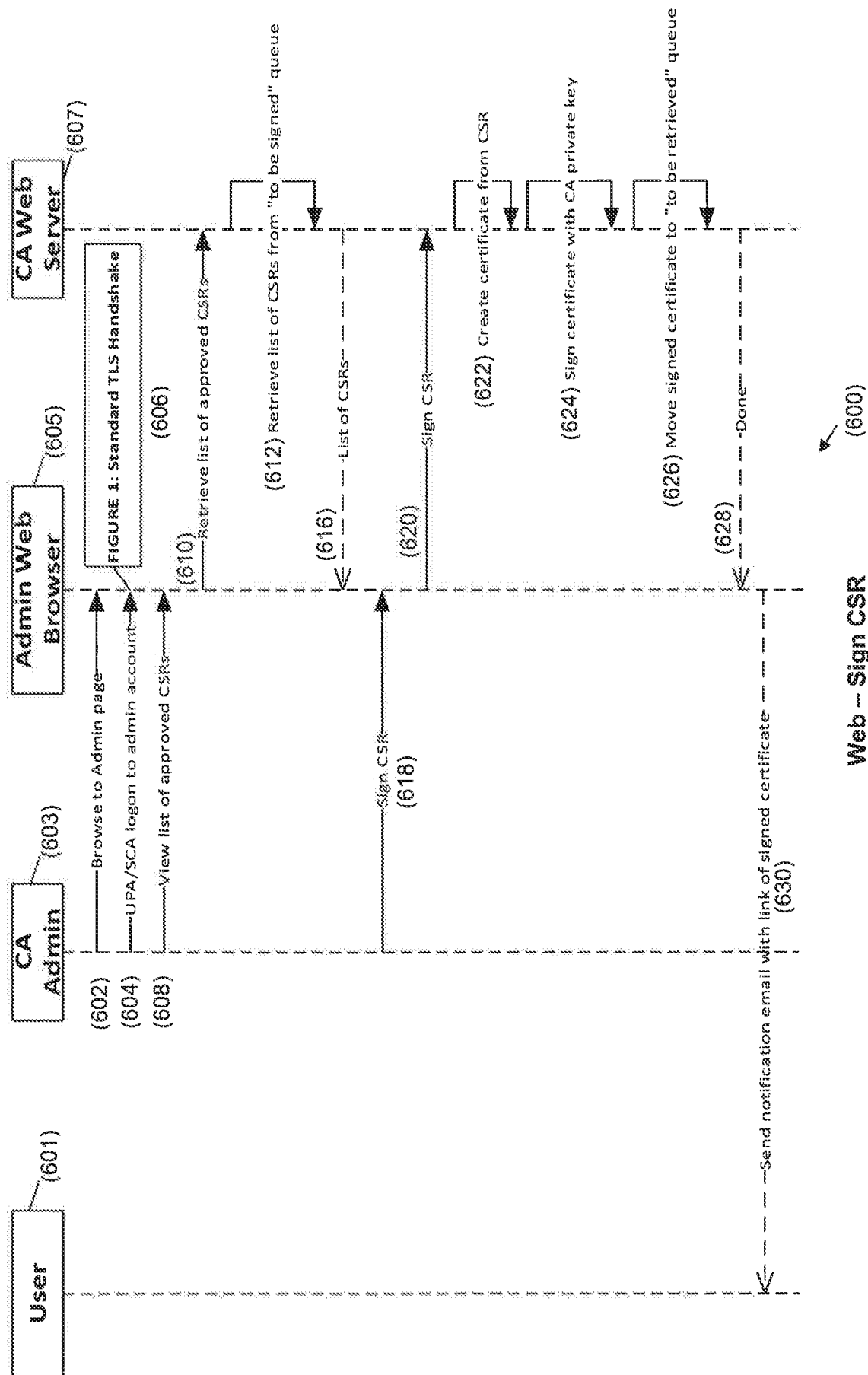
FIGURE 3

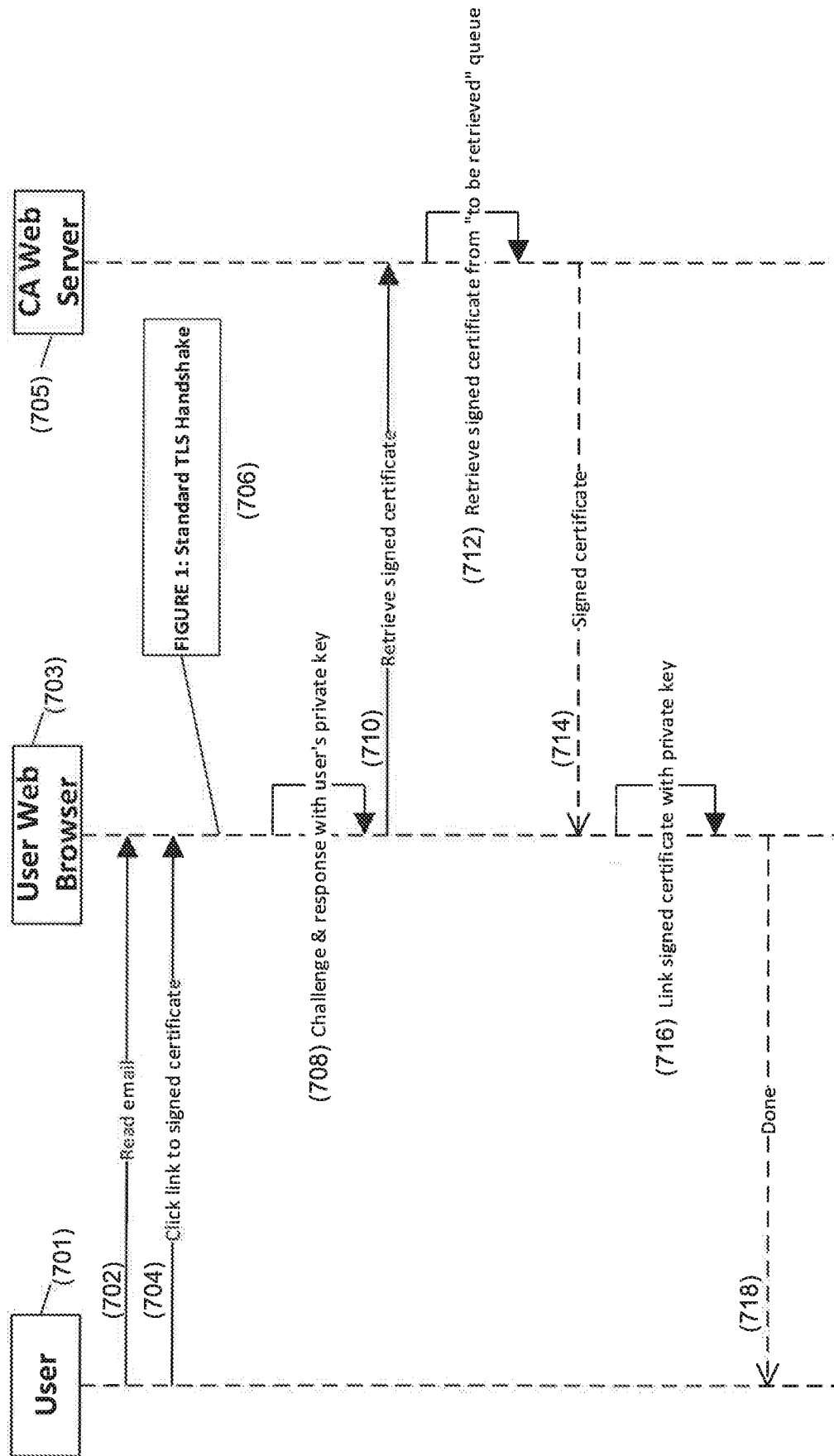
(300)



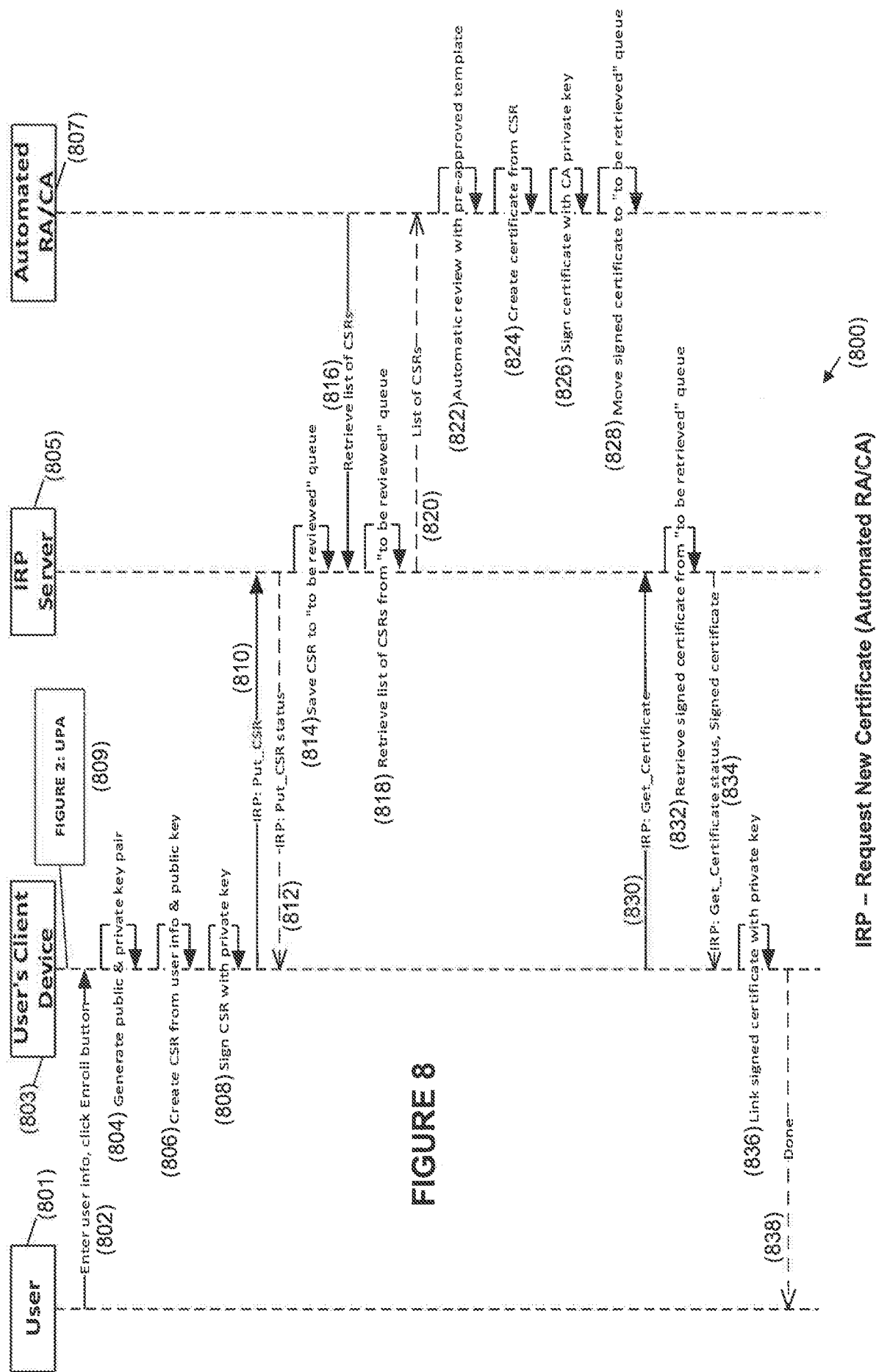
Web – Request New Certificate  
 FIGURE 4 (PRIOR ART) (400)

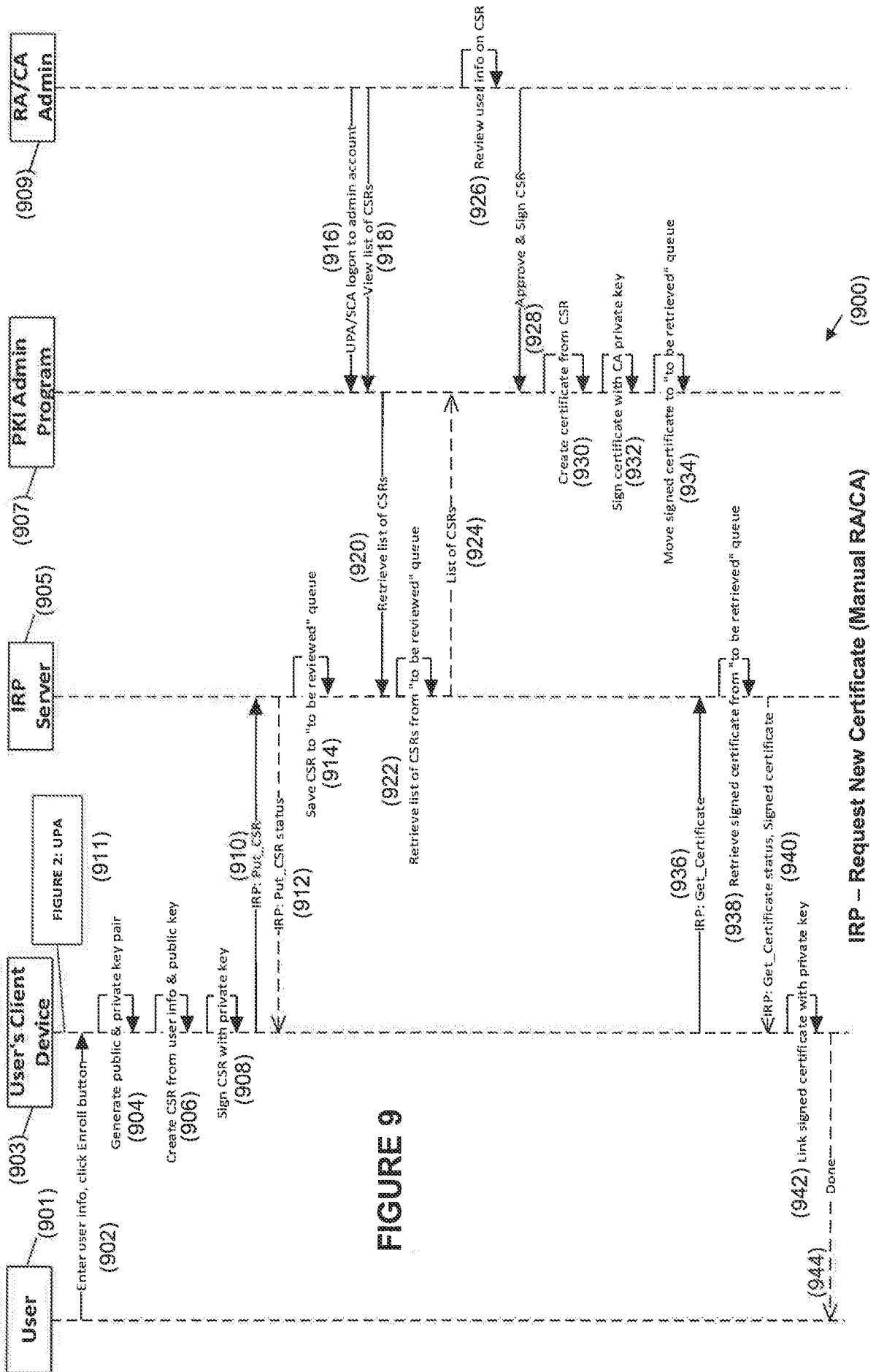


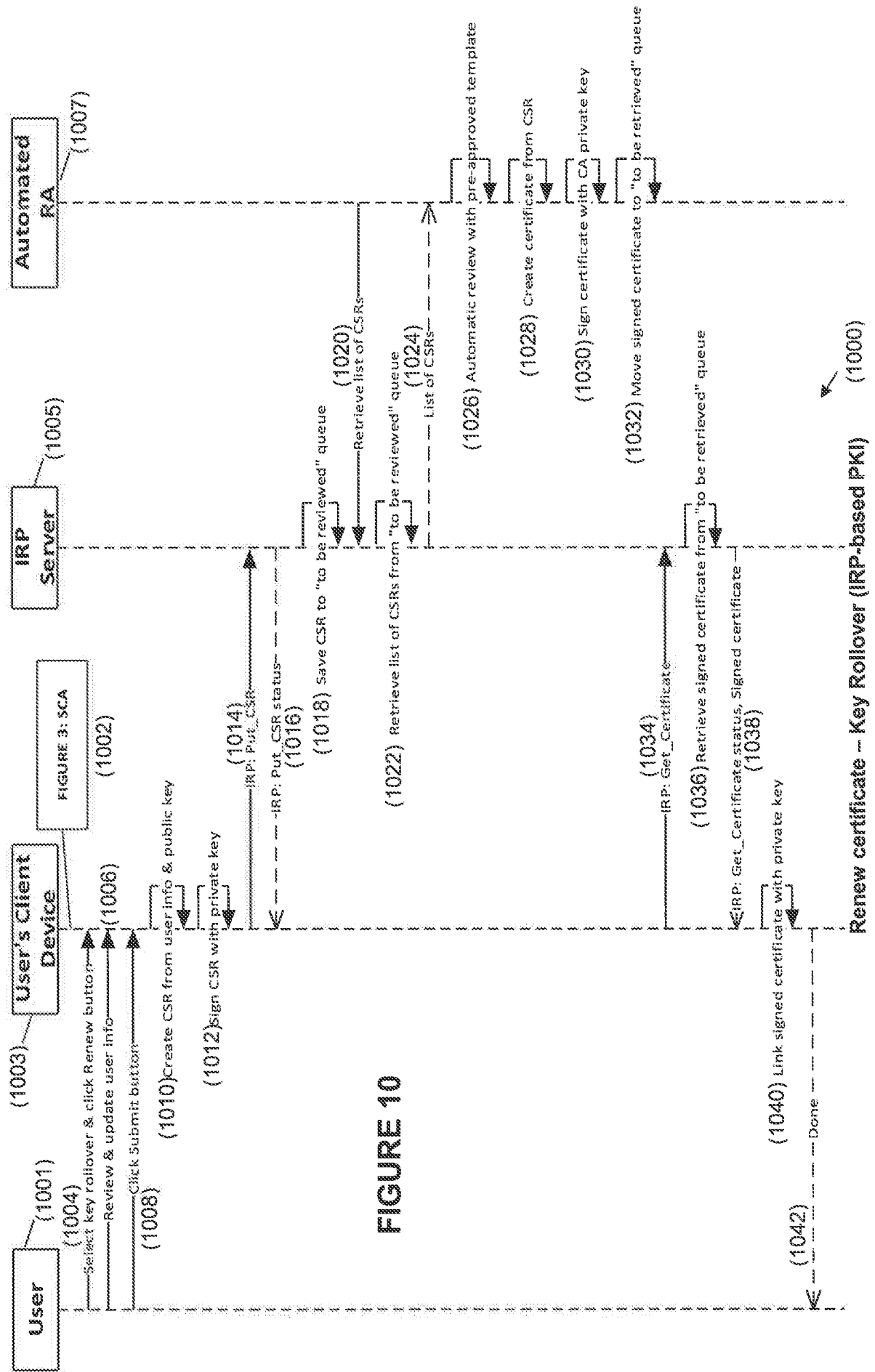


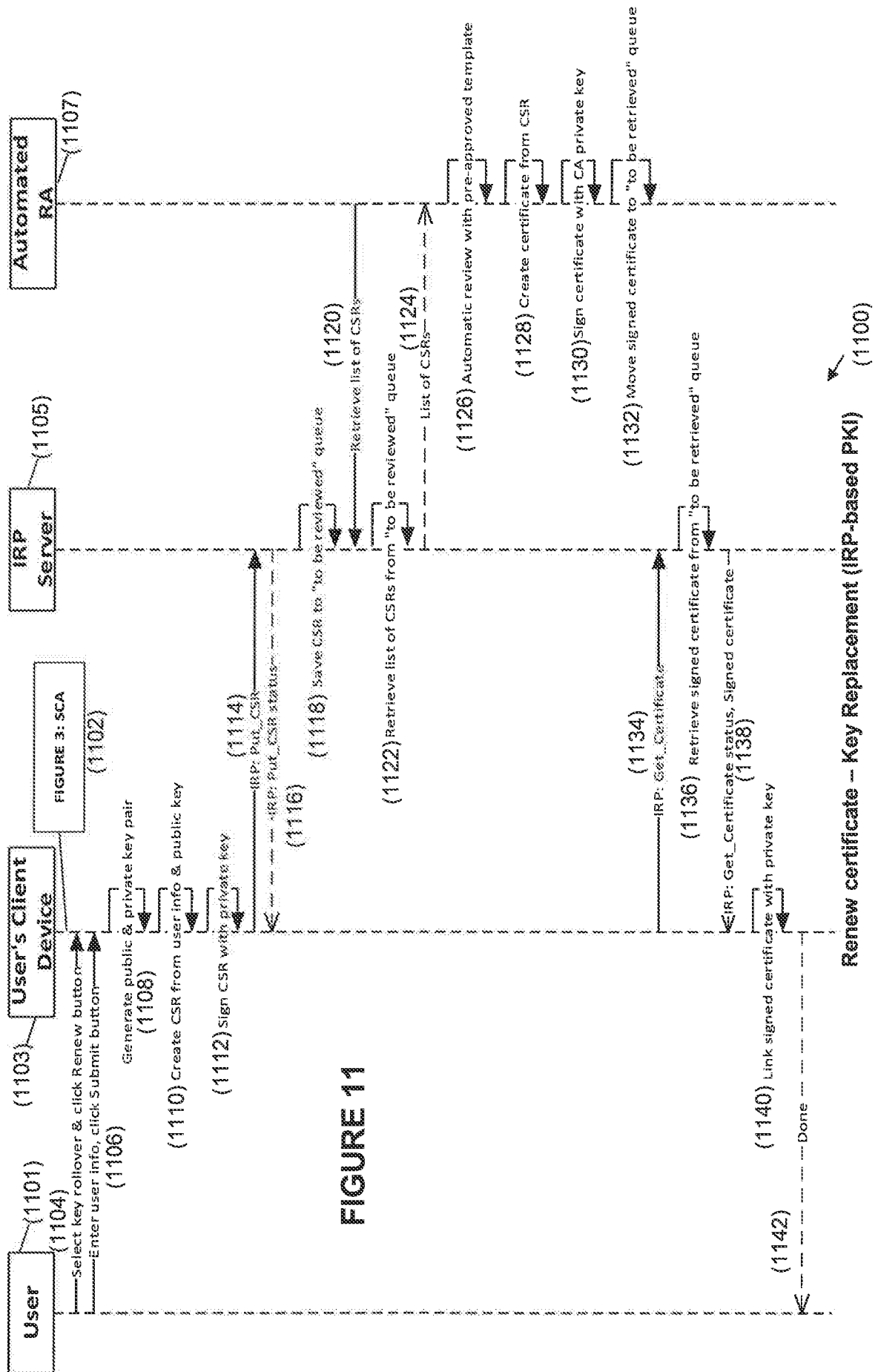


Web – Retrieve Signed Certificate  
**FIGURE 7 (PRIOR ART)**









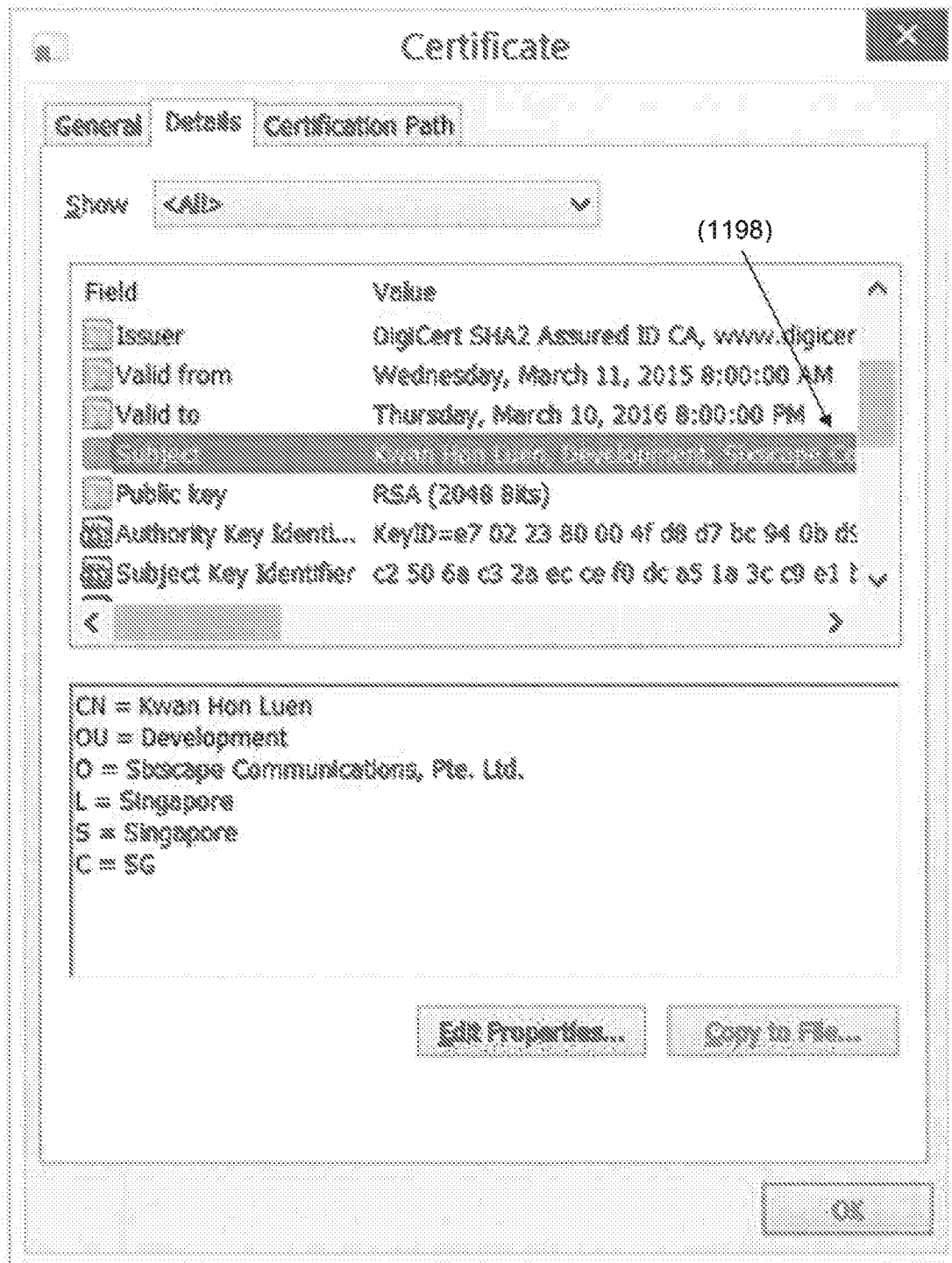
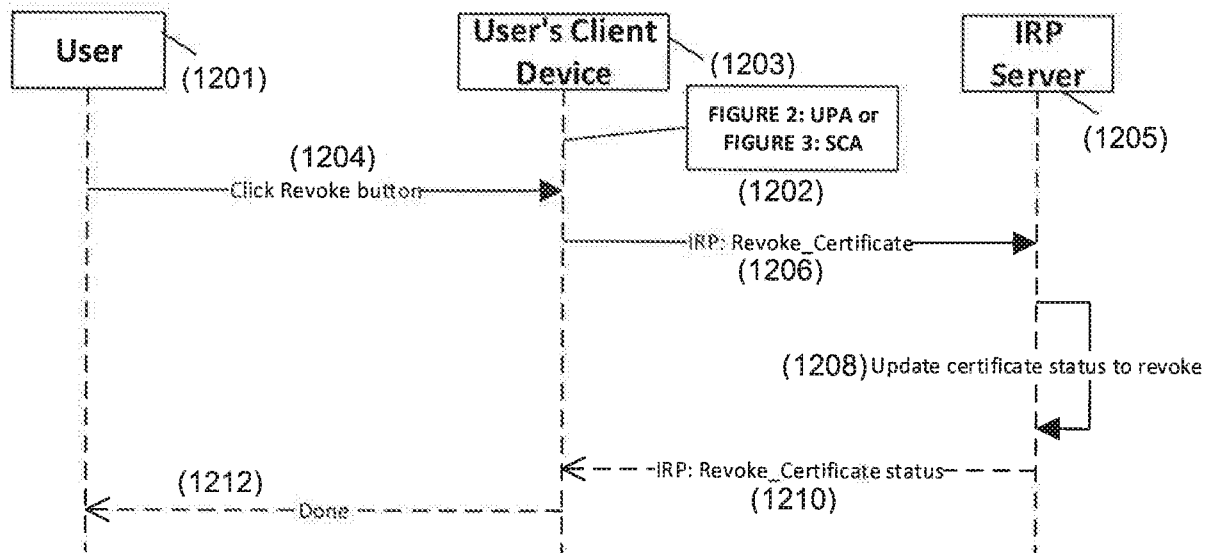
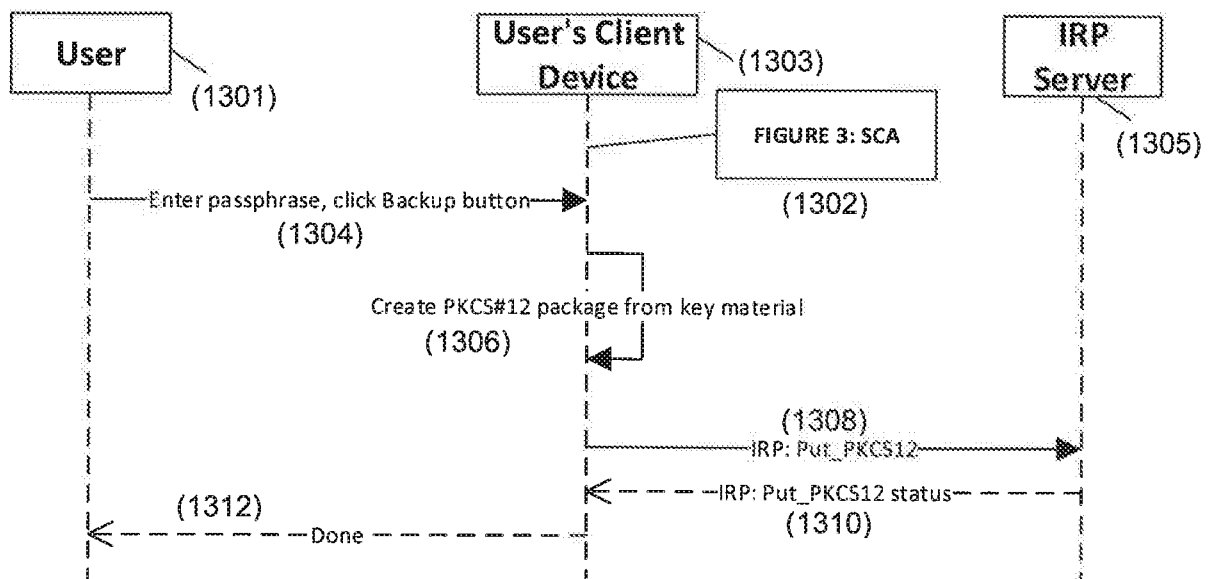


FIGURE 11A

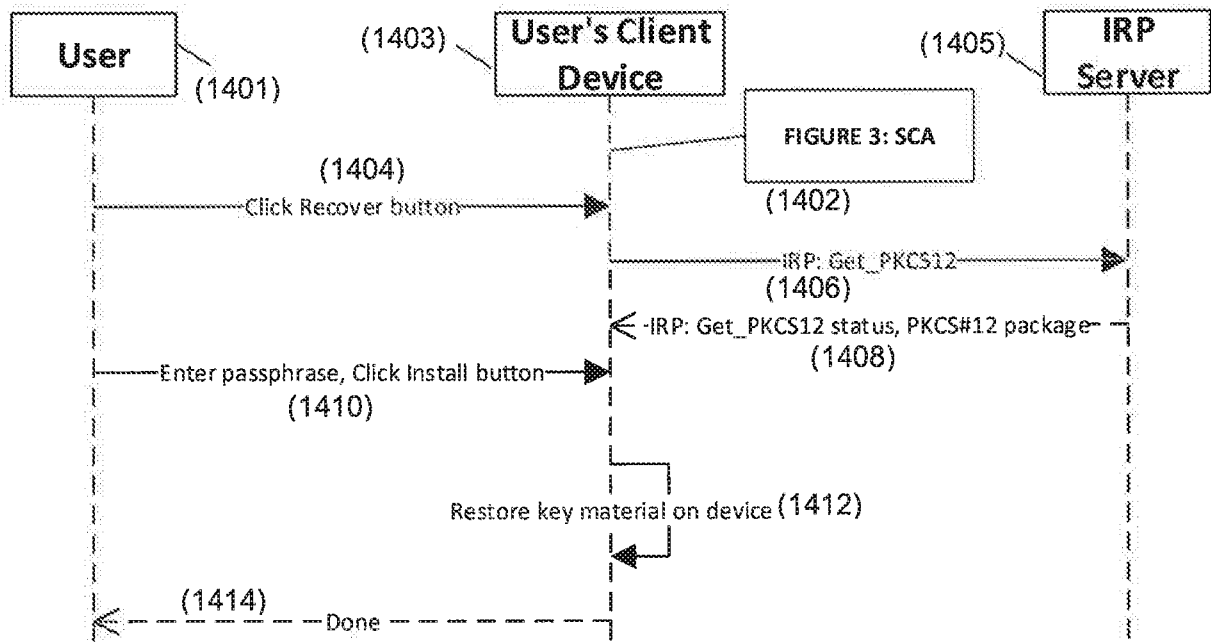
↖  
(1199)



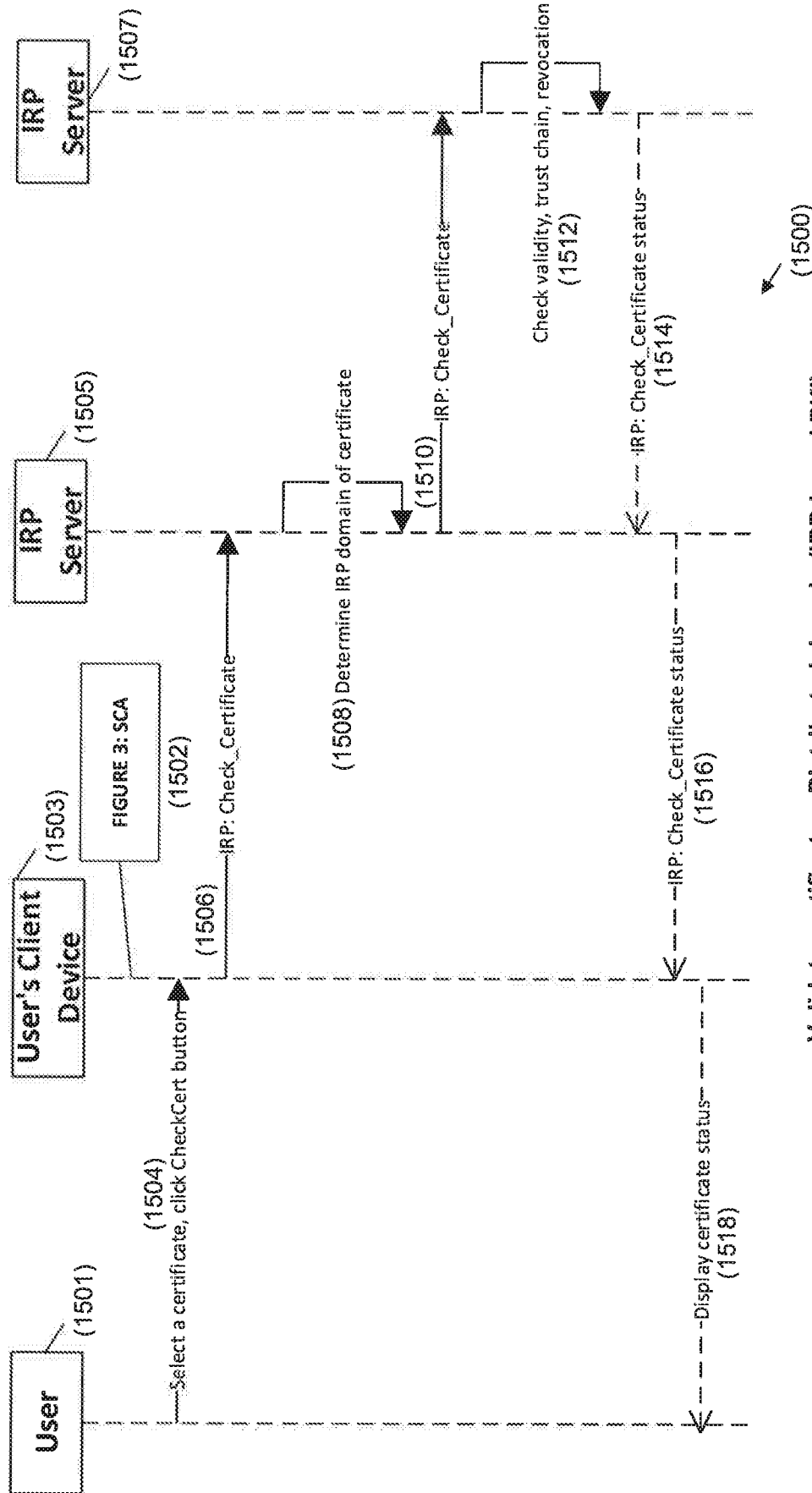
Revoke certificate (IRP-based PKI) (1200)  
**FIGURE 12**

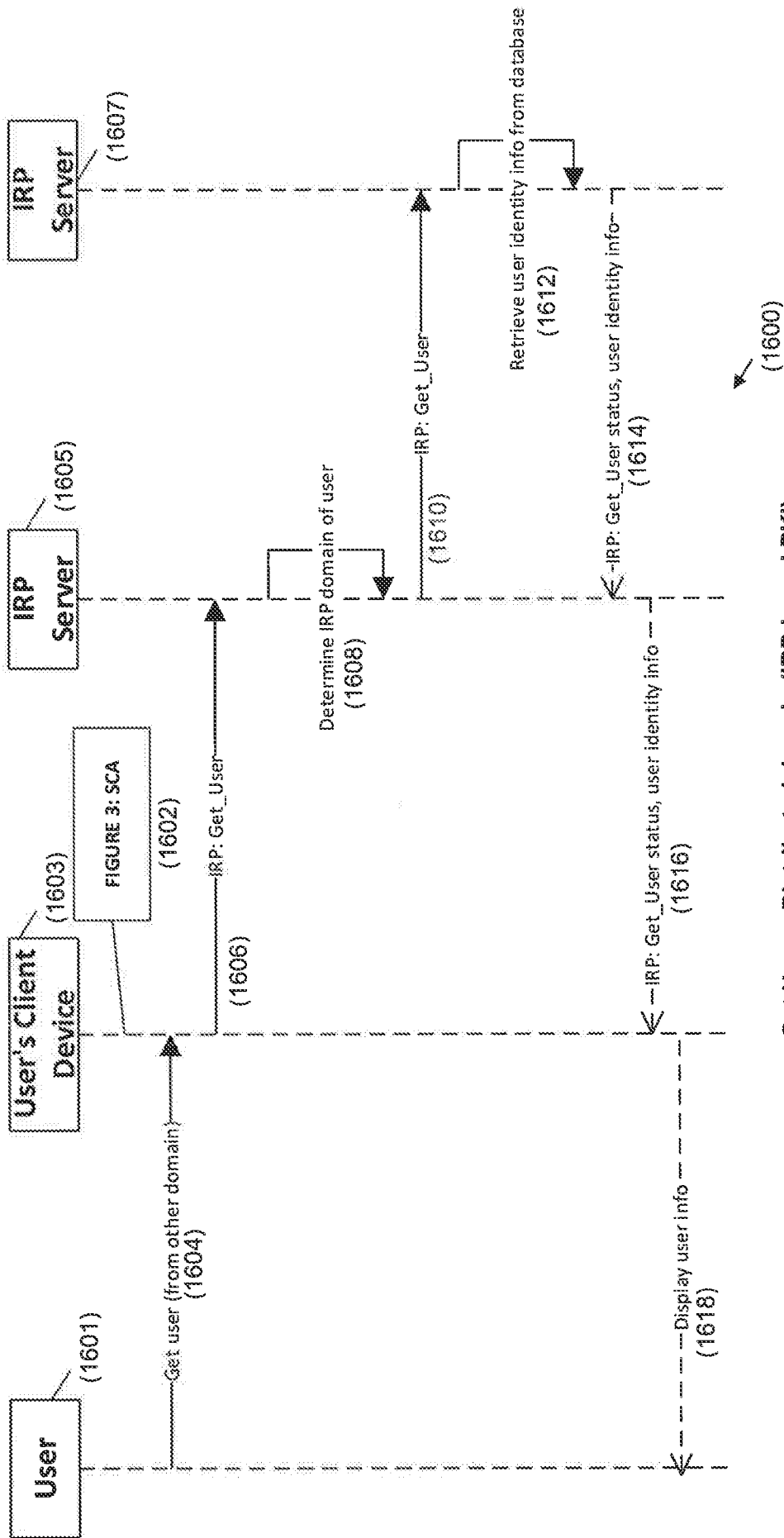


Backup key (IRP-based PKI) (1300)  
**FIGURE 13**



Recover key (IRP-based PKI)  
**FIGURE 14**





Get User – Distributed domain (IRP-based PKI)  
**FIGURE 16**

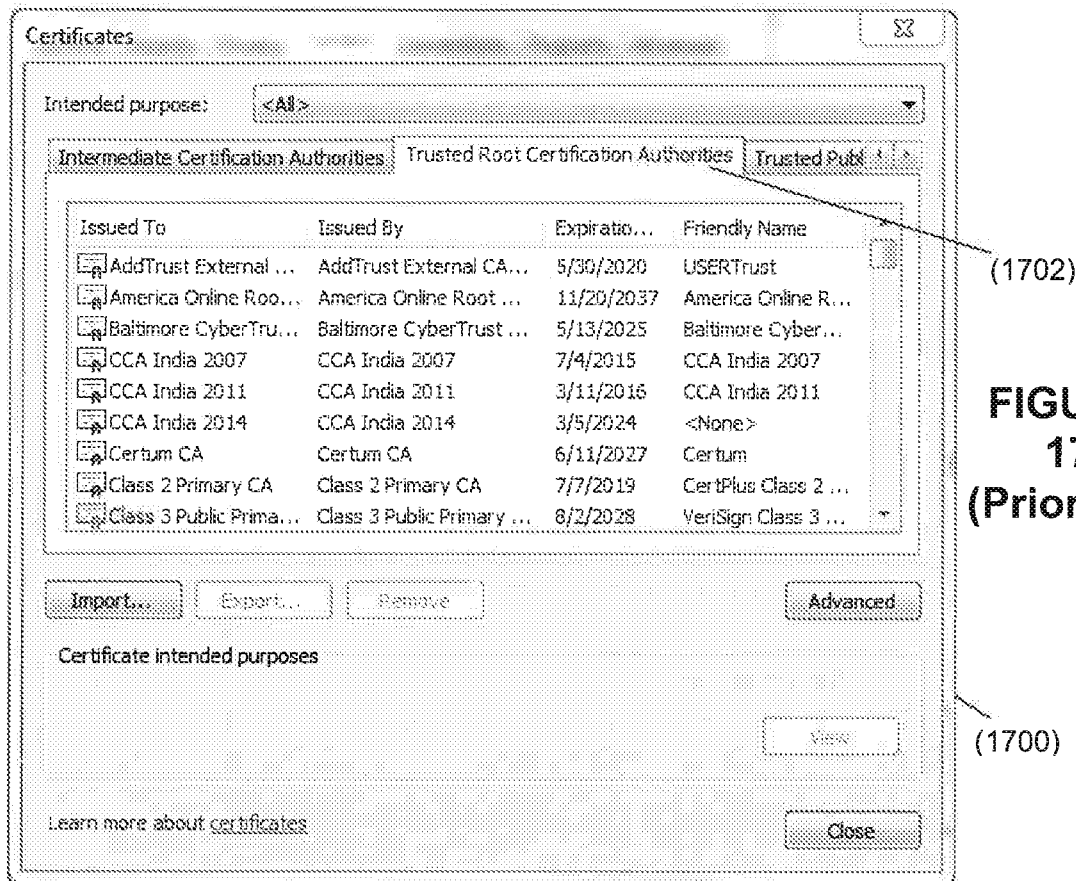


**FIGURE 17**  
(Prior Art)

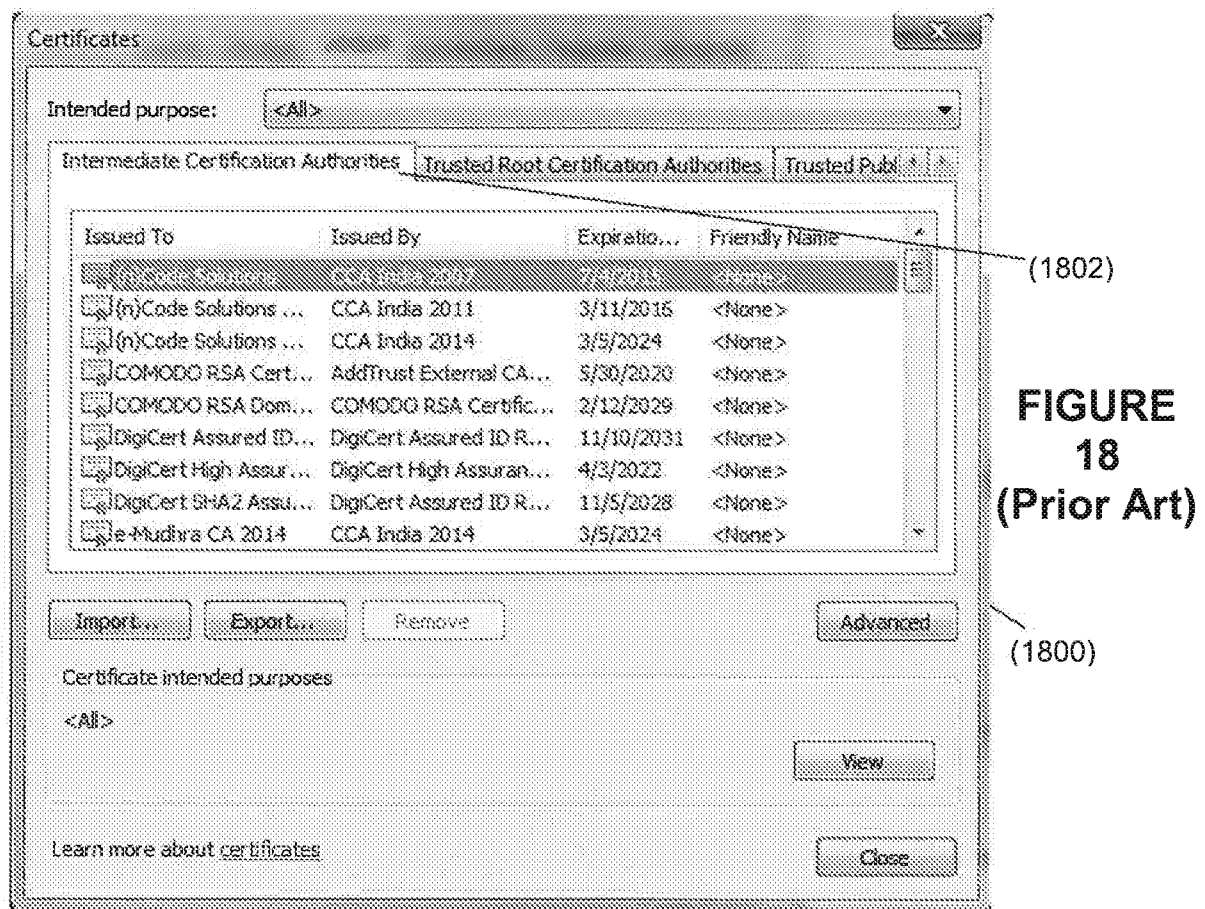


**FIGURE 18**  
(Prior Art)



**FIGURE  
19  
(Prior Art)**

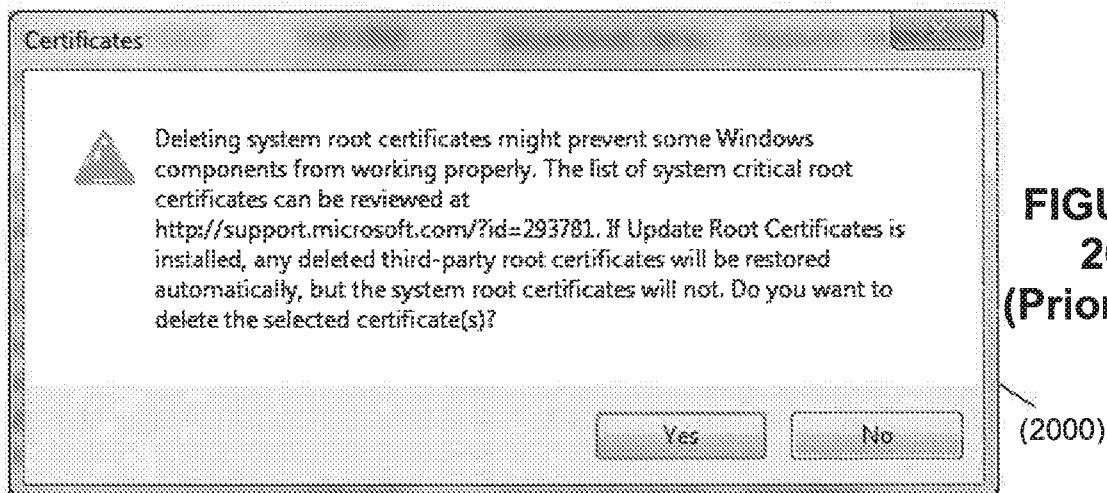


**FIGURE  
20  
(Prior Art)**

**FIGURE 21**