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**King et al.**

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(54) **CENTRALIZED LOCATION BROKER**

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(52) **U.S. Cl.** ..... **455/456.1; 455/404.2; 455/414.2; 455/456.2; 455/456.5**

(58) **Field of Classification Search** ..... **455/414.2, 455/456.1, 456.2, 456.5, 404.2**  
See application file for complete search history.

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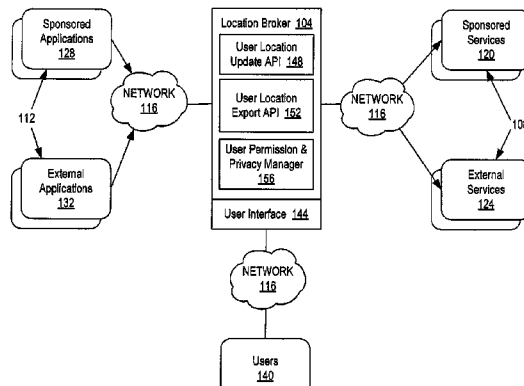
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(57) **ABSTRACT**

A centralized location system includes a location update application programming interface (API) to receive varying types of location inputs for a user from at least one location-providing application. A memory stores a location of the user and the location inputs, wherein the location update API periodically updates in the memory the location inputs when location updates are received from the at least one location-providing application. A location export API, upon request from a location-based service application, processes the location inputs to estimate a location of the user, which location estimate replaces the stored location in memory and is sent to the location-based service application. A user interface enables the user to specify a location granularity for at least one of the at least one location-providing application and the location-based service application.

**23 Claims, 6 Drawing Sheets**

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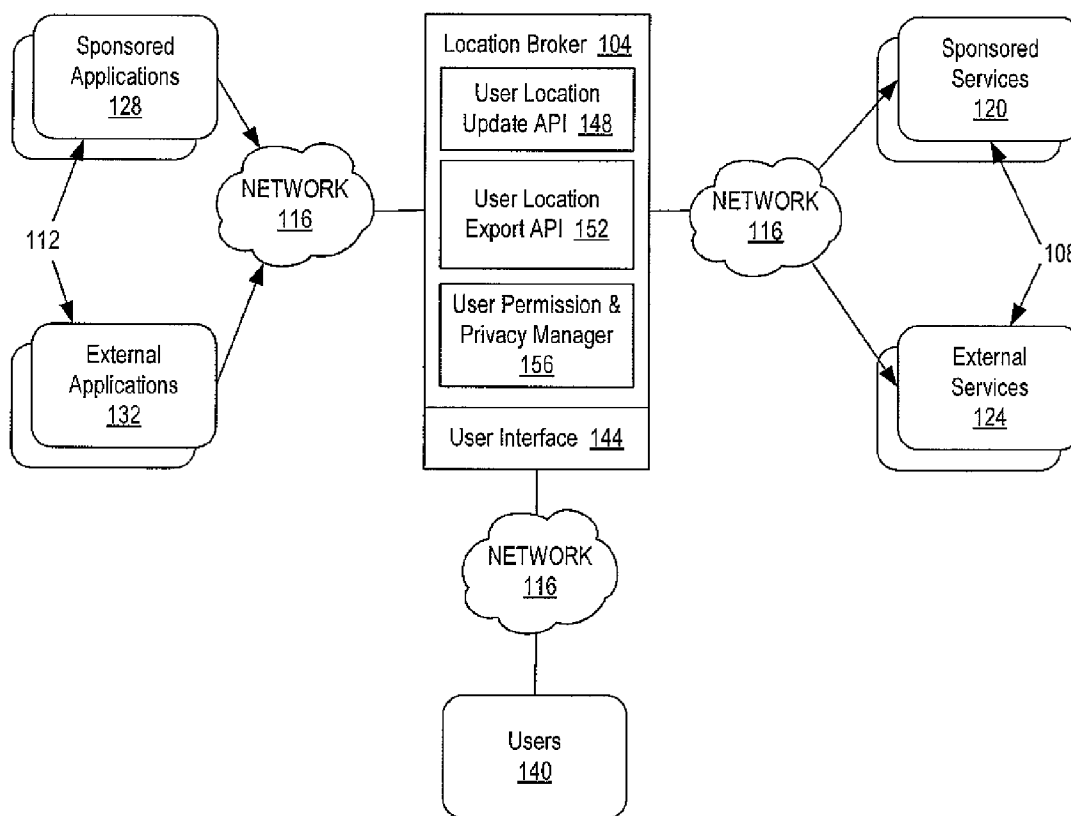


FIG. 1

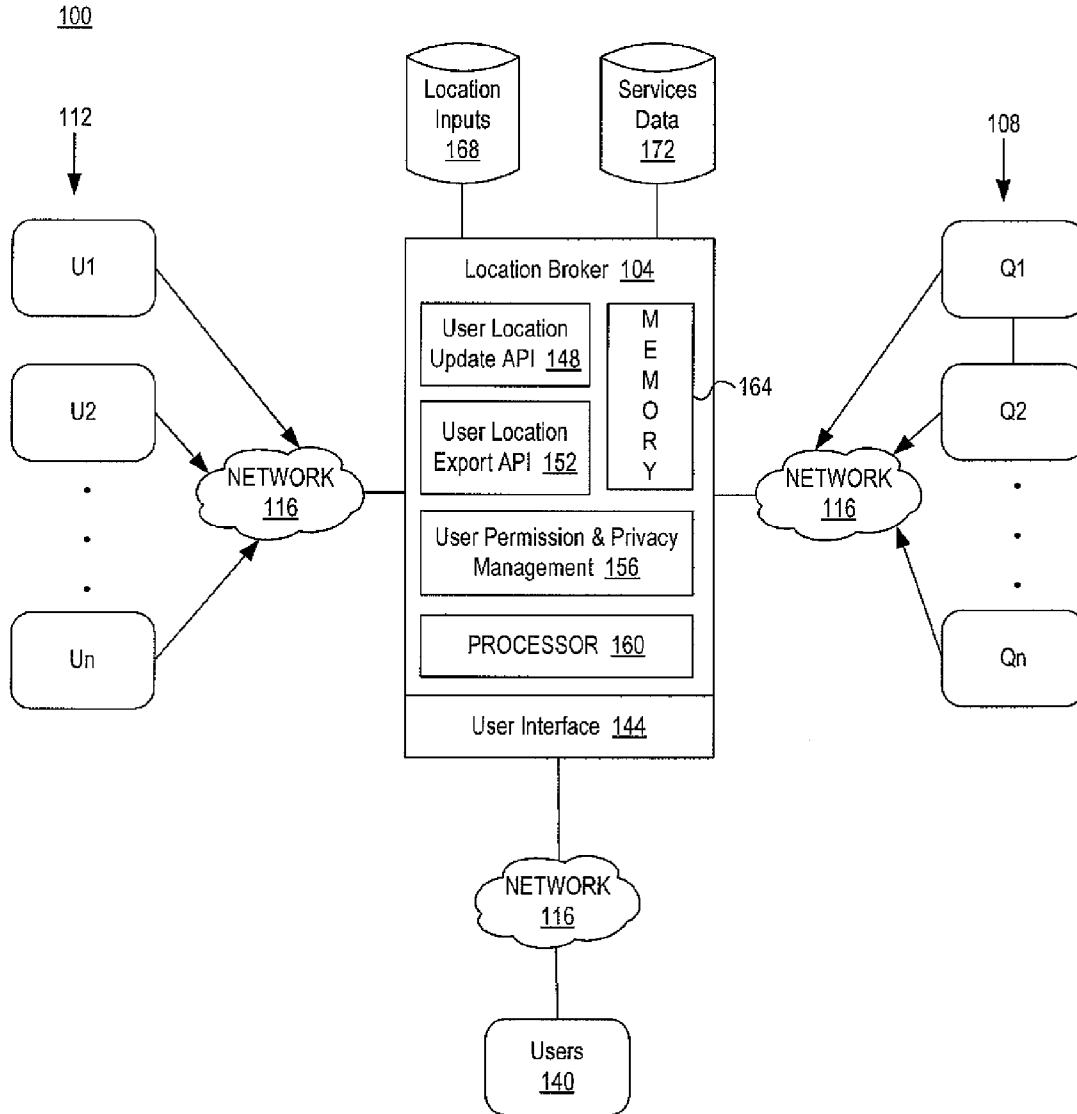


FIG. 2

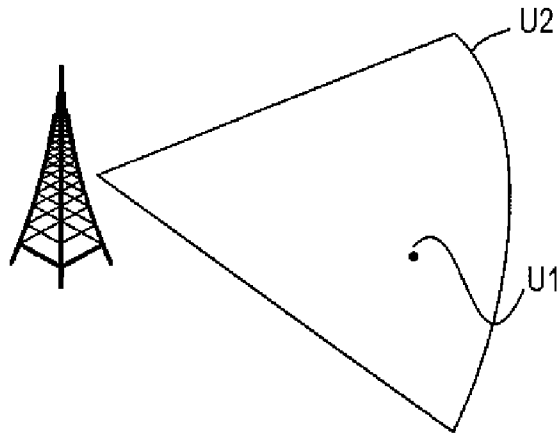


FIG. 3A

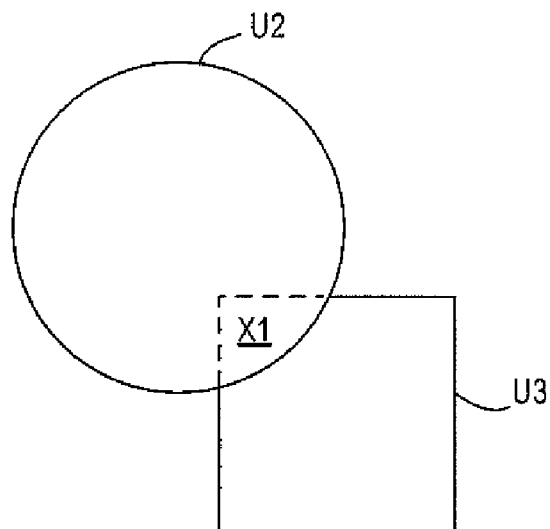


FIG. 3B

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