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**Taylor et al.**

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(54) **TRACKING IMPLEMENTING  
GEOPOSITIONING AND LOCAL MODES**

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(65) **Prior Publication Data**

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(51) **Int. Cl.**  
**G01S 3/02** (2006.01)  
**G01S 19/49** (2010.01)

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(52) **U.S. Cl.**  
USPC ..... **342/451**; 342/357.32

(57) **ABSTRACT**

(58) **Field of Classification Search**  
USPC ..... 342/357.01, 357.14, 443, 457,  
342/463–465, 451, 357.25, 357.32;  
455/456.1, 456.2

A wireless device provides location data concerning an object by use of geolocation in order to provide distance tracking and local location techniques in order to provide local tracking. The geolocation and local location techniques may be implemented at the same time or individually, reconfigurable on demand, in both the tracking and tracked devices. The tracked wireless device includes a wireless communication circuit capable of communication with a multiuser wireless subscriber network. A geolocation reading circuit provides GPS or similar location data and is capable of obtaining geolocation data concerning the object. A local locating device parses local location data, and an indication is provided of geolocation based on the geolocation data, and is further responsive to the local location data which is used to modify the geolocation data with the local location data.

See application file for complete search history.

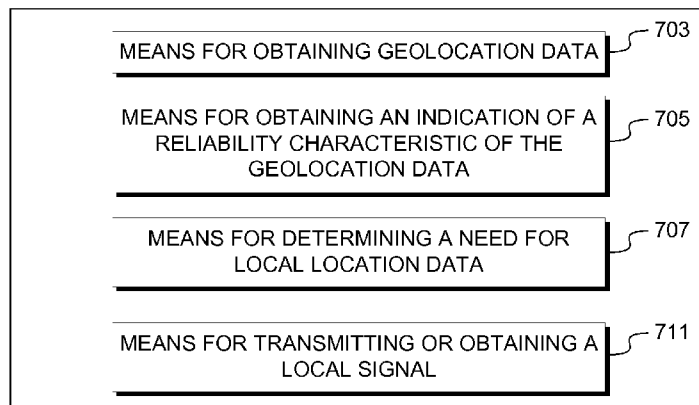
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**37 Claims, 8 Drawing Sheets**

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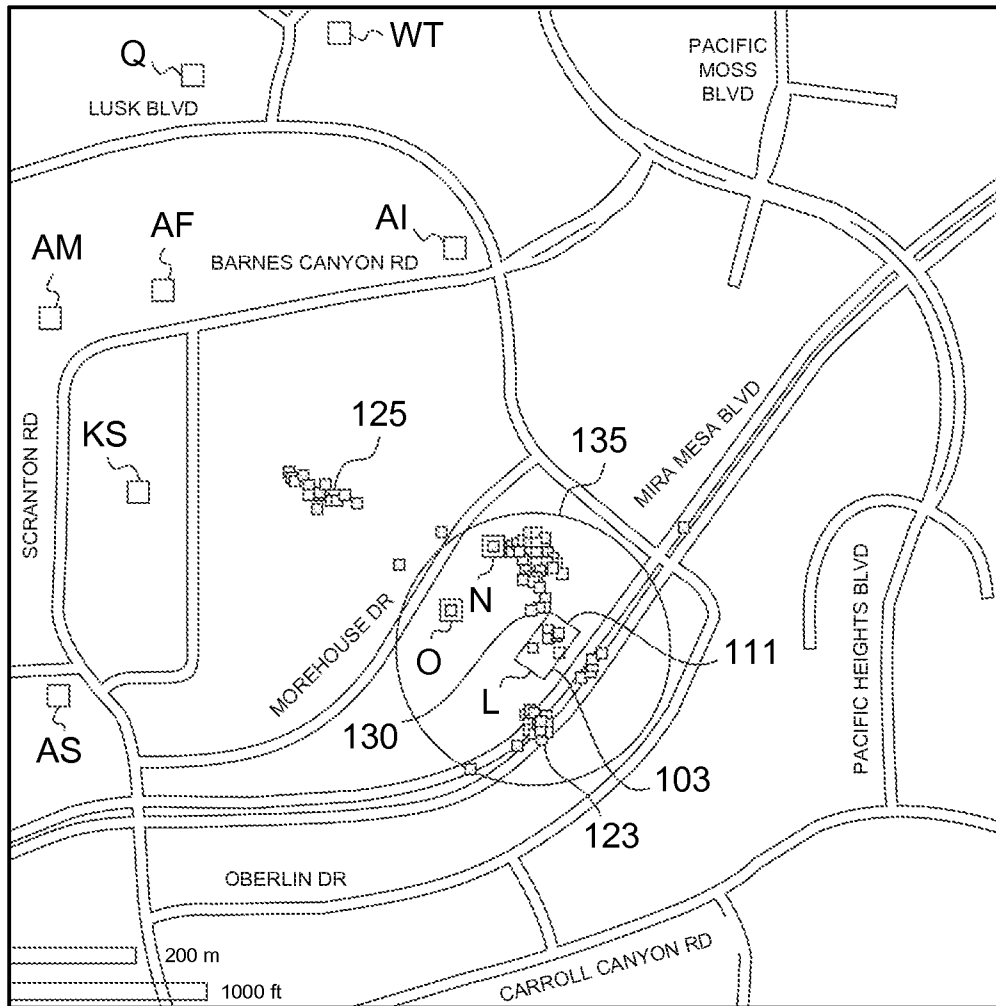
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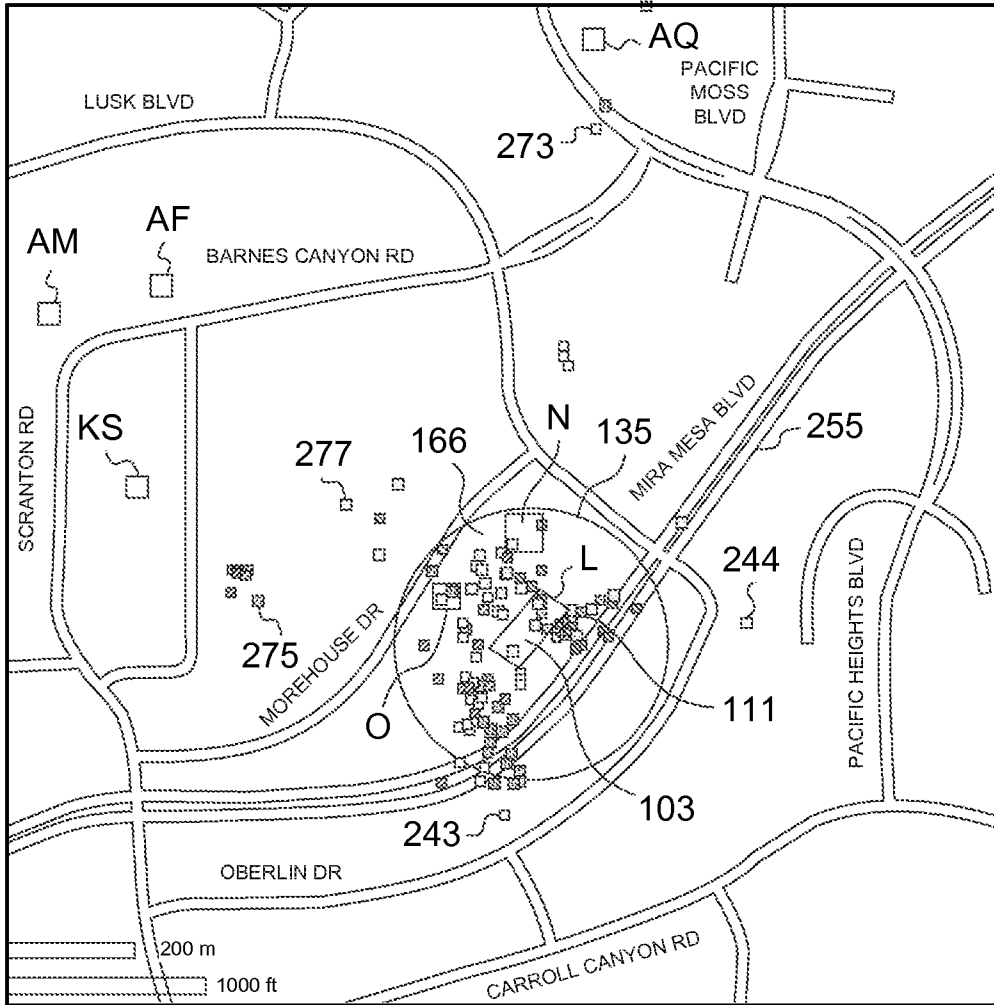
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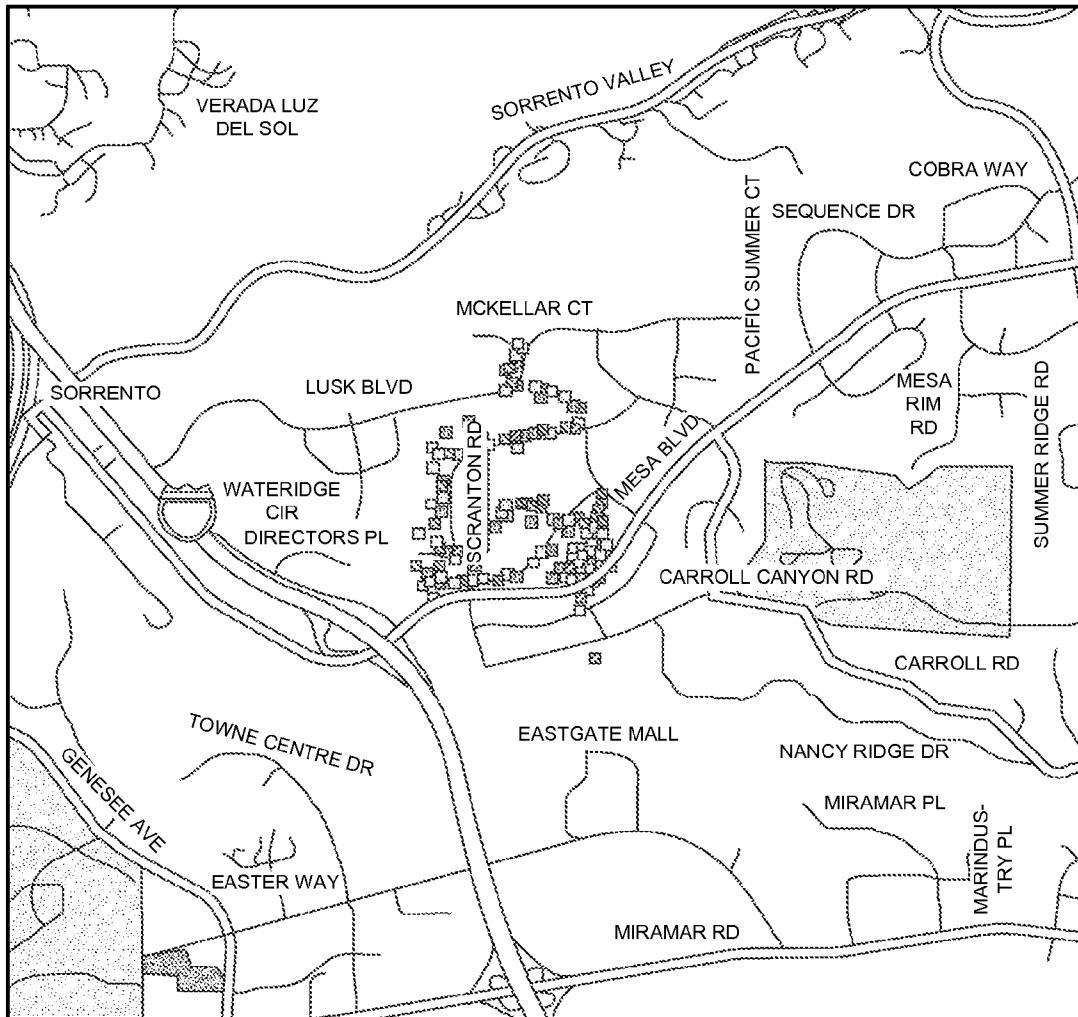
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**FIG. 1**



**FIG. 2**



**FIG. 3a**

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