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**Holmes et al.**

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(54) **POSITION TRACKING AND PROXIMITY WARNING SYSTEM**

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(57) **ABSTRACT**

(51) **Int. Cl.**  
**G08G 1/123** (2006.01)

(52) **U.S. Cl.** ..... **340/988**; 701/50

(58) **Field of Classification Search** ..... 340/988,  
340/436; 342/455; 701/50, 200, 208, 301  
See application file for complete search history.

A position tracking system for determining a position of a vehicle. The position tracking system invention includes at least two position-enabled mesh nodes mounted to the vehicle and a mesh network operatively associated with the at least two position-enabled mesh nodes mounted to the vehicle. The mesh network is configured to determine a position of the vehicle based on signals received from the at least two position-enabled mesh nodes mounted to the vehicle. The position tracking system also includes a display system, which is operatively associated with the mesh network and which displays the position of the vehicle.

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**17 Claims, 10 Drawing Sheets**

