

# EXHIBIT 25

(12) **United States Patent**  
**Lin**

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(54) **PORTABLE MULTI-TRACKING METHOD AND SYSTEM**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 584 days.

(21) Appl. No.: **09/733,859**

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(65) **Prior Publication Data**

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**Related U.S. Application Data**

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(51) **Int. Cl.**  
**G06F 15/16** (2006.01)

(52) **U.S. Cl.** ..... **709/203; 709/243; 701/213; 701/220; 701/208**

(58) **Field of Classification Search** ..... **340/303, 340/961; 348/116, 231; 455/518, 41, 457; 701/301, 200, 117, 220; 725/116; 342/386, 342/25 F; 702/5**

See application file for complete search history.

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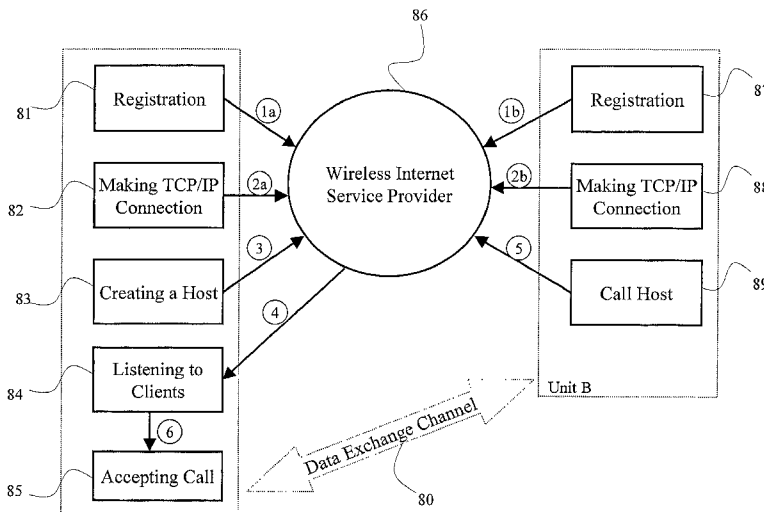
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(57) **ABSTRACT**

A method and system for multi-tracking among independent individuals without a monitoring center, where an individual is a person, a vehicle, or any other property, enables the individuals to be networked in a group and each individual to search and track other individuals of interest. The portable multi-tracking system is also capable of tracking personnel inside a building, where a self-contained positioning device provides continuous carrier's position information. In the open area a GPS (Global Positioning System) unit is activated to provide precision absolute position data which can be blended with the self-contained data to improve the accuracy and robustness of the positioning services. Thus the present invention provides excellent position tracking outside a building.

**63 Claims, 12 Drawing Sheets**



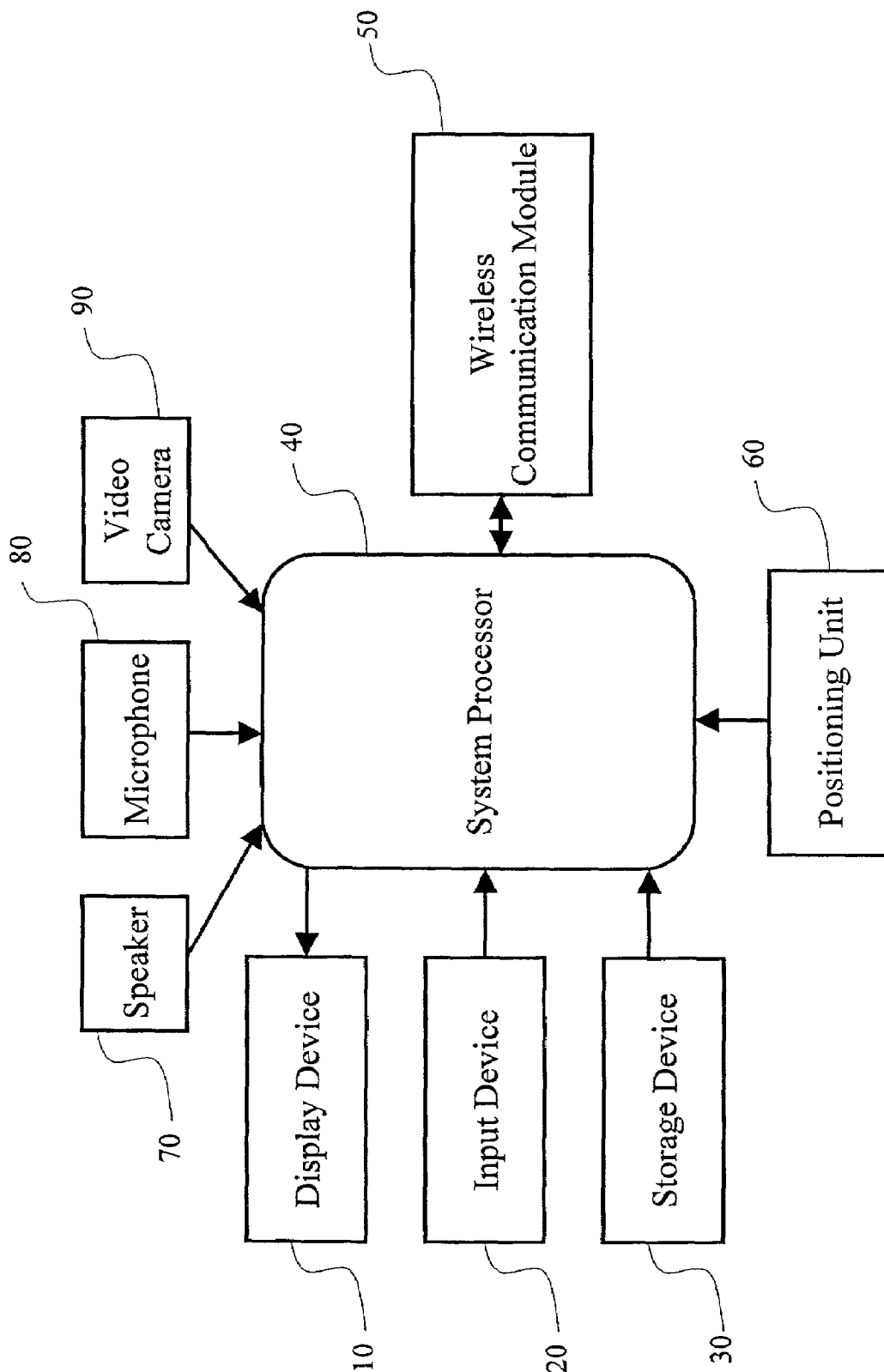


FIG. 1

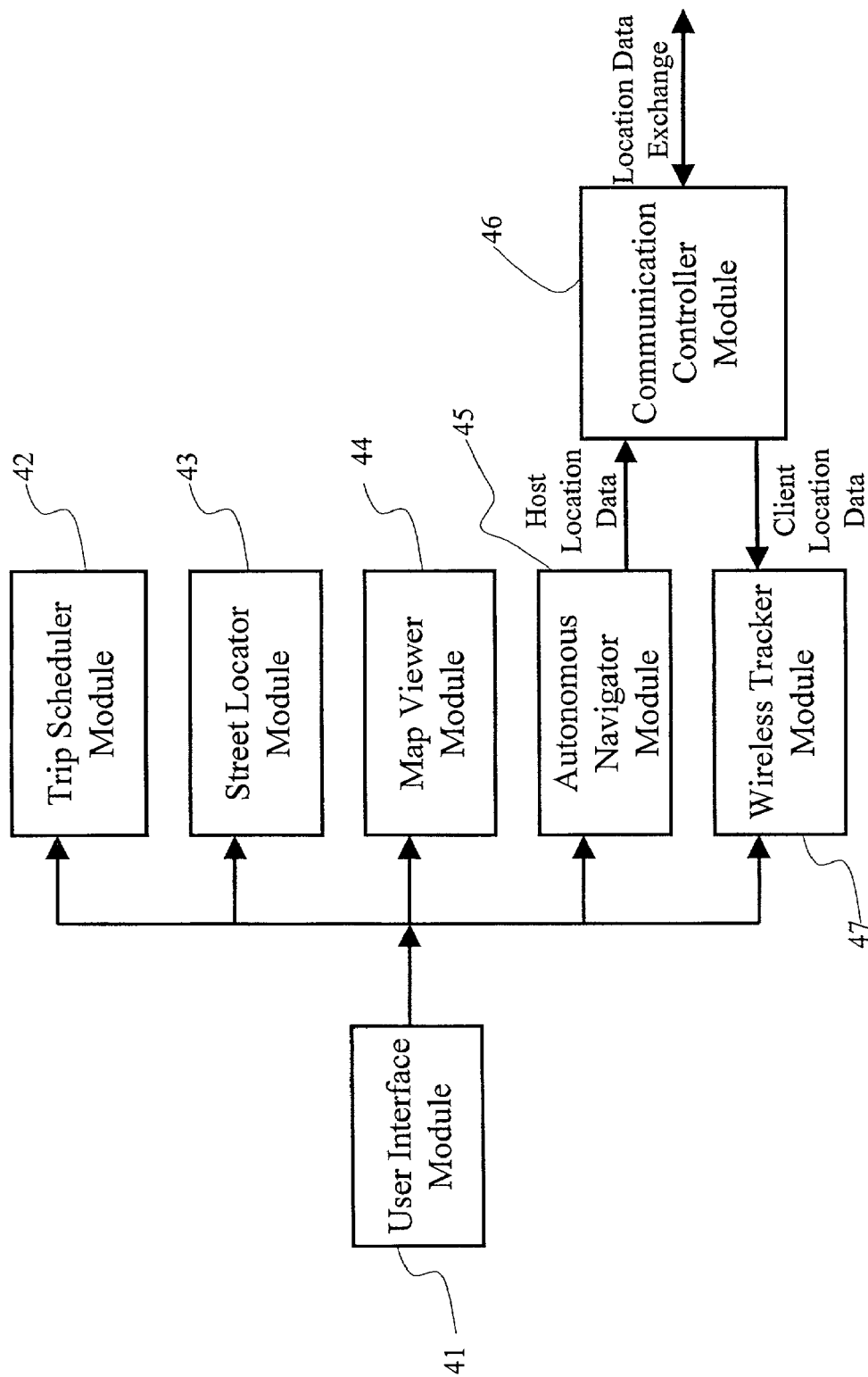


FIG. 2

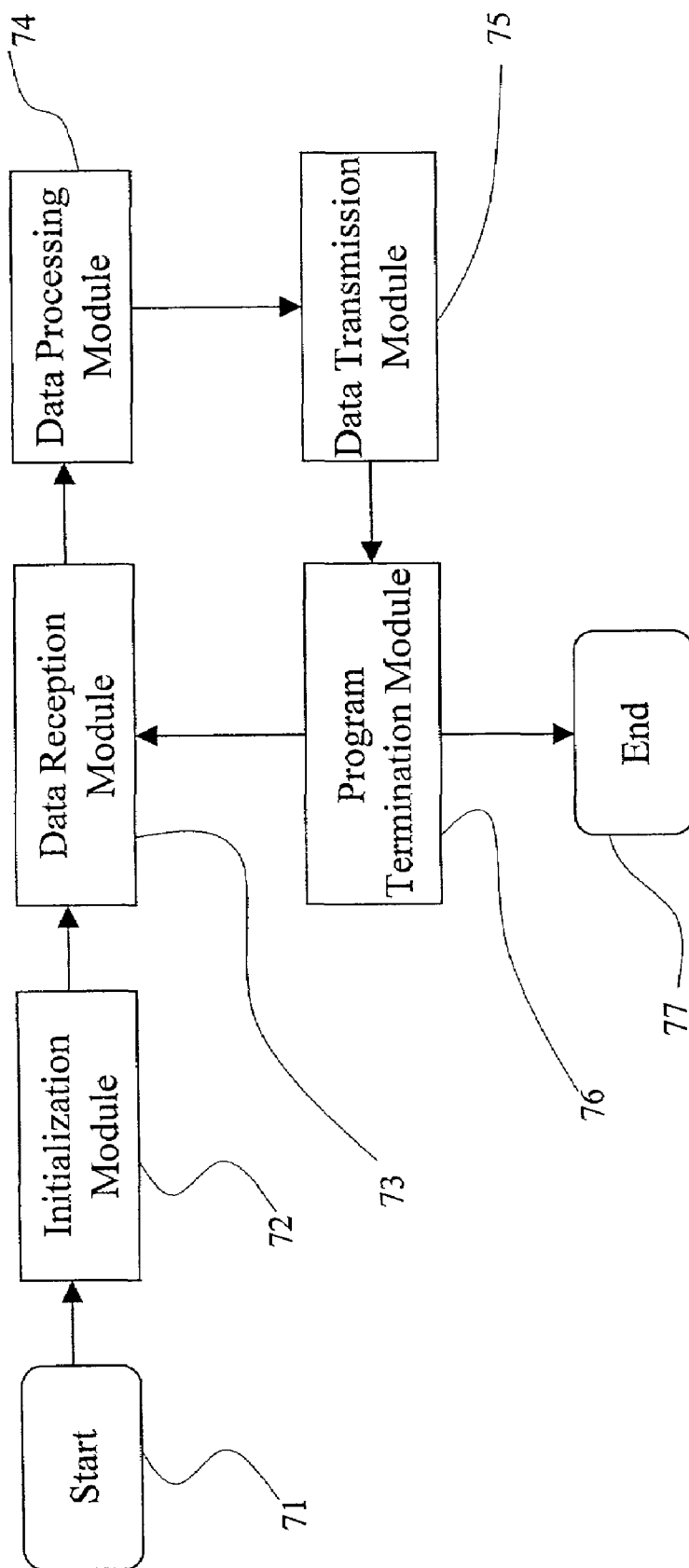


FIG. 3

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