



(12) **United States Patent**  
**Haney**

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(54) **LOCATION SHARING AND TRACKING USING MOBILE PHONES OR OTHER WIRELESS DEVICES**

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(52) **U.S. Cl.** ..... **455/457**; 455/518; 455/524; 455/412; 455/411; 455/414.1; 455/414.2; 455/432.1; 455/456.1; 455/521; 455/456.2

(58) **Field of Classification Search** ..... 455/518, 455/524, 412, 411, 414.1, 414.2, 432.1, 456.3, 455/456.1, 457, 521; 370/355, 479, 460, 370/260

See application file for complete search history.

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*Primary Examiner*—Rafael Perez-Gutierrez

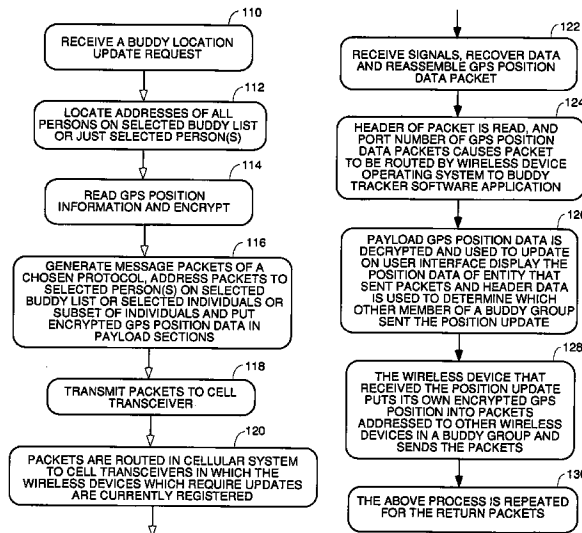
*Assistant Examiner*—Kwasi Karikari

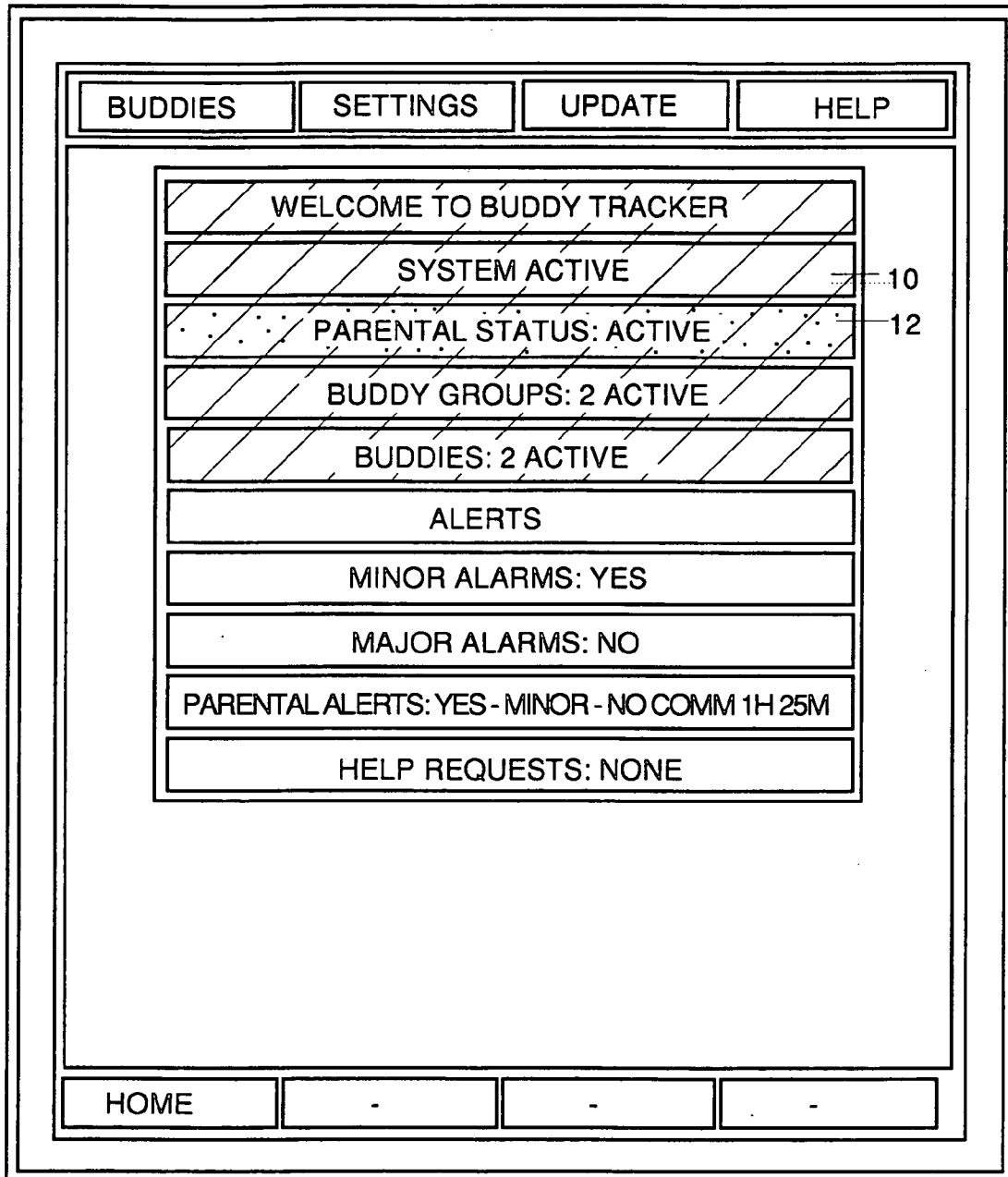
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(57) **ABSTRACT**

A system for exchanging GPS or other position data between wireless devices for purposes of group activities, child location monitoring, work group coordination, dispatching of employees etc. Cell phones and other wireless devices with GPS receivers have loaded therein a Buddy Watch application and a TalkControl application. The Buddy Watch application communicates with the GPS receiver and other wireless devices operated by buddies registered in the user phone as part of buddy groups or individually. GPS position data and historical GPS position data can be exchanged between cell phones of buddies and instant buddies such as tow truck drivers via a buddy watch server. Emergency monitoring services can be set up with notifications to programmable individuals in case an individual does not respond. Positions and tracks can be displayed. TalkControl simplifies and automates the process of joining talk groups for walkie talkie services such as that provided by Nextel.

**9 Claims, 48 Drawing Sheets**





OPENING SCREEN

FIG. 1

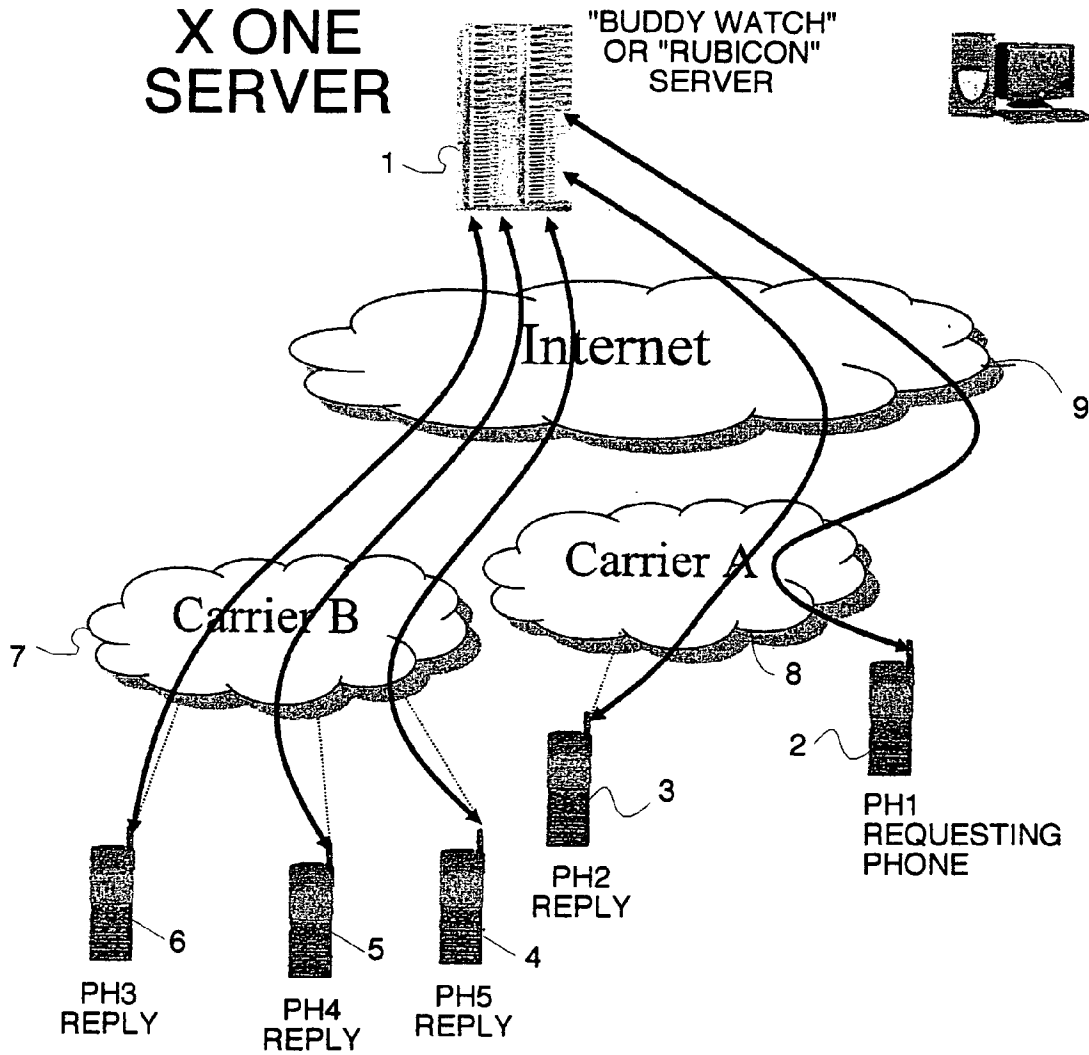
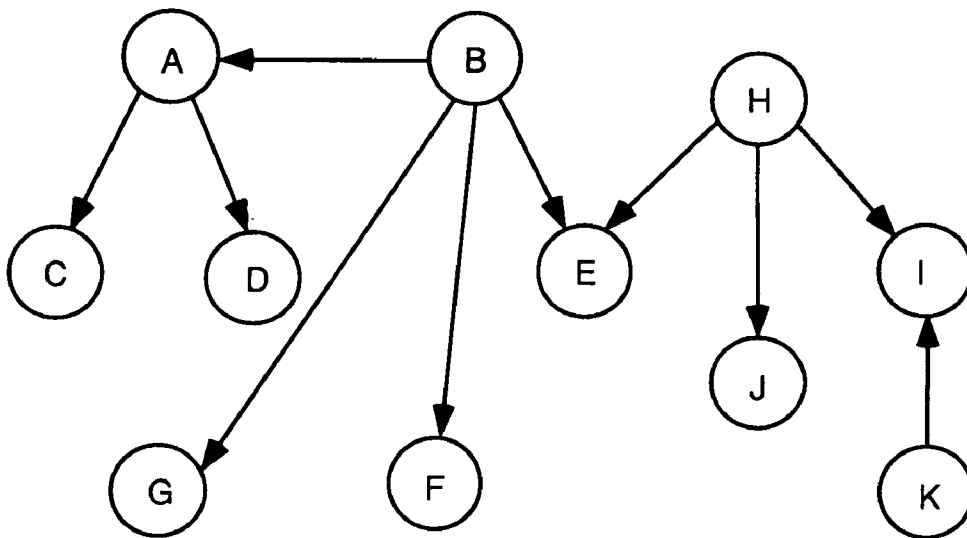


FIG. 2A



MATRIX OF BUDDY LIST

FIG. 2B

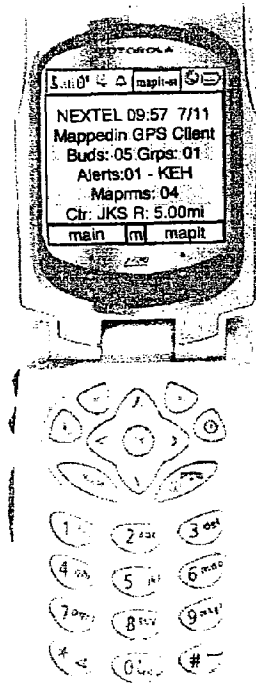


FIG. 2C

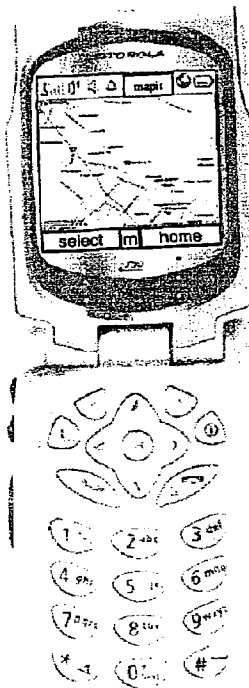


FIG. 2D

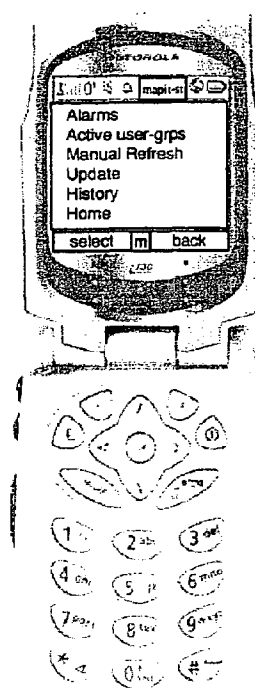


FIG. 2E

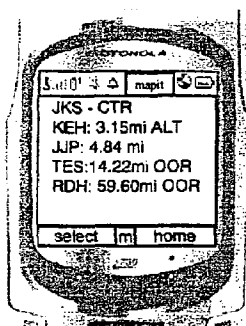


FIG. 2F

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