



(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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,890,064	A *	3/1999	Widergen et al.	455/445
6,292,671	B1 *	9/2001	Mansour	455/518
6,504,503	B1 *	1/2003	Saint-Hilaire et al. .	342/357.09
6,615,134	B2 *	9/2003	Ando	701/209
6,718,503	B1 *	4/2004	Lerner et al.	714/755
7,219,303	B2 *	5/2007	Fish	715/753

2002/0123327	A1 *	9/2002	Vataja	455/412
2002/0151316	A1 *	10/2002	Kato	455/466
2002/0169539	A1 *	11/2002	Menard et al.	701/200
2003/0217150	A1 *	11/2003	Roese et al.	709/225
2006/0030339	A1 *	2/2006	Zhovnirovsky et al. ..	455/456.6
2006/0035647	A1 *	2/2006	Eisner et al.	455/456.1
2006/0221968	A1 *	10/2006	Razdan et al.	370/392

FOREIGN PATENT DOCUMENTS

WO	WO-2006108071	A2	10/2006
WO	WO-2006108071	A3	10/2006

* cited by examiner

Primary Examiner—Rafael Perez-Gutierrez

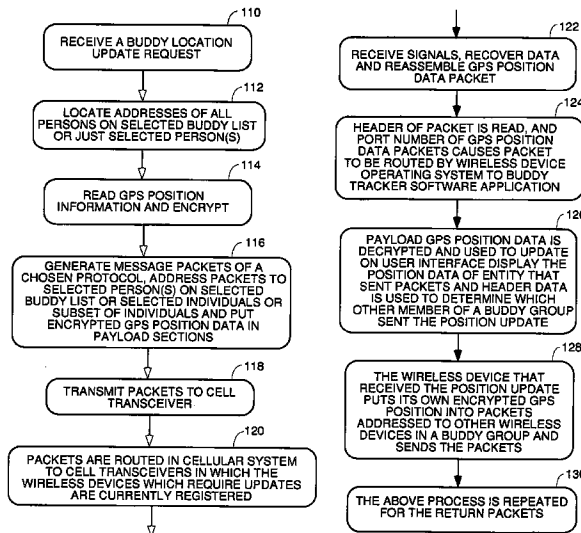
Assistant Examiner—Kwasi Karikari

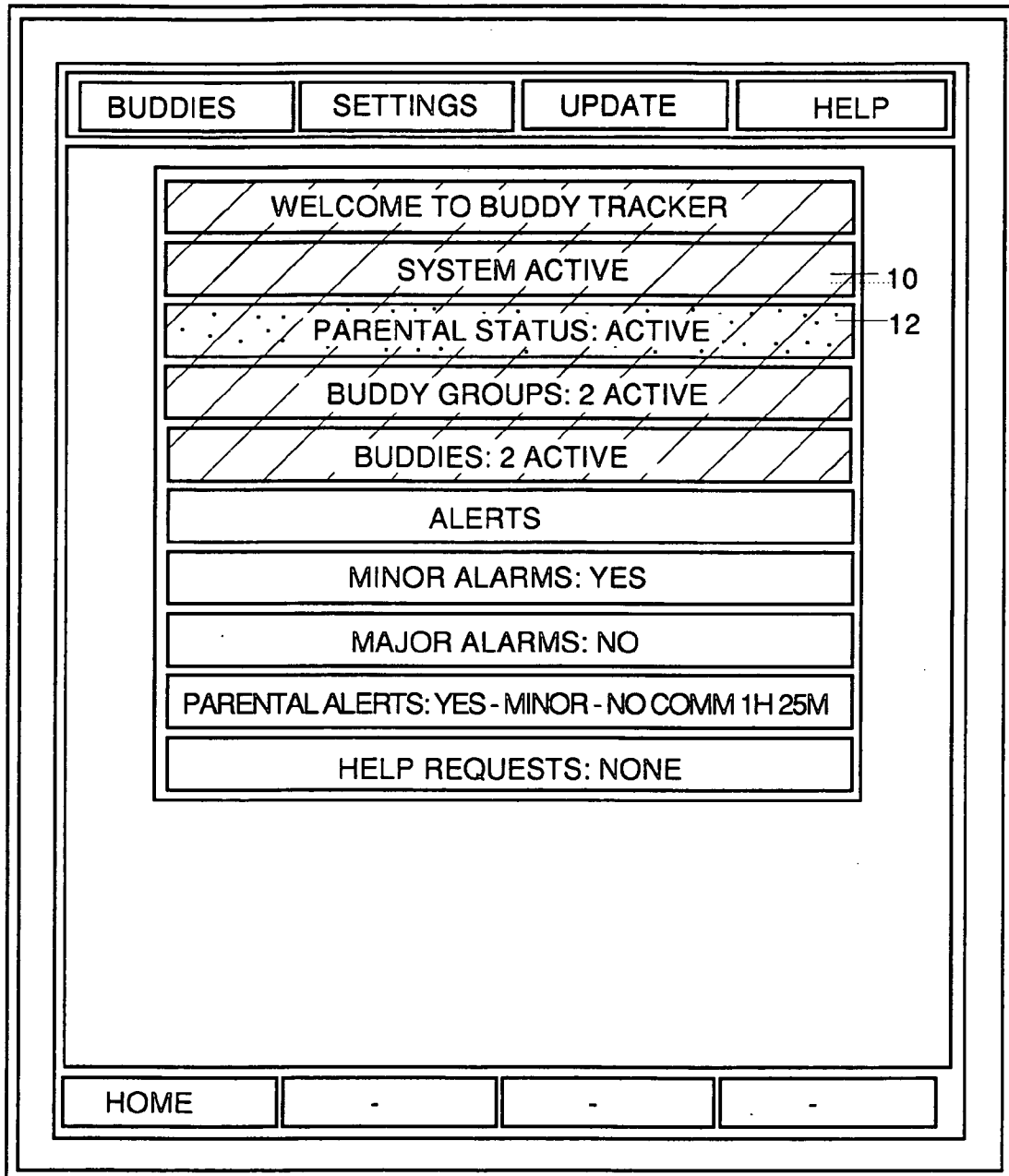
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(57) **ABSTRACT**

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

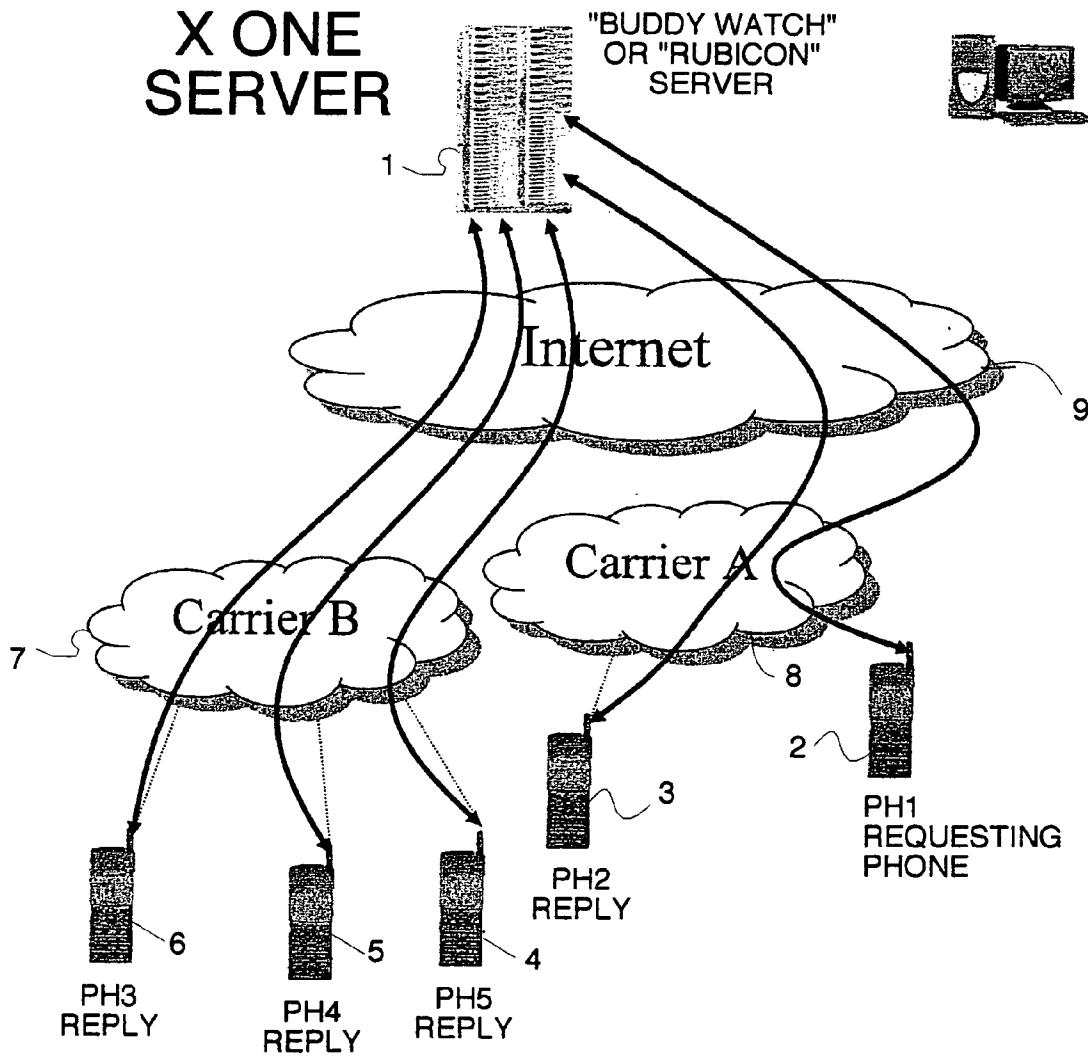
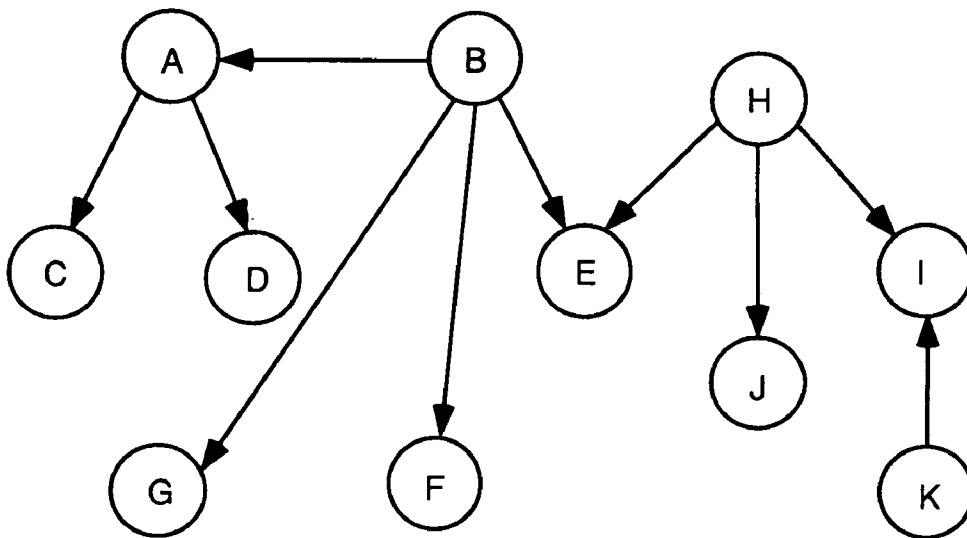


FIG. 2A



MATRIX OF BUDDY LIST

FIG. 2B

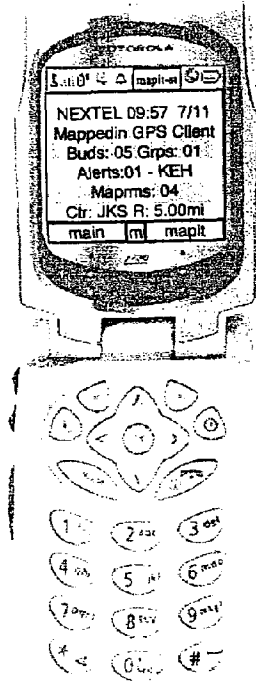


FIG. 2C

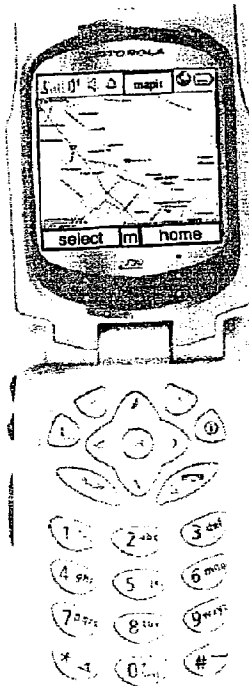


FIG. 2D

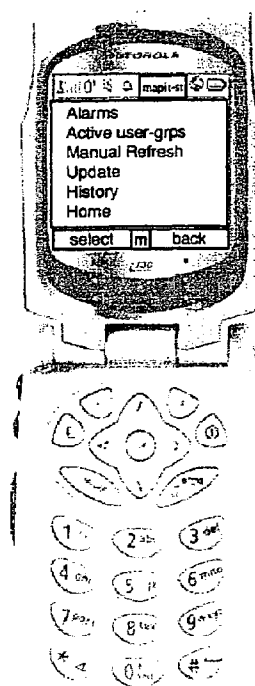


FIG. 2E

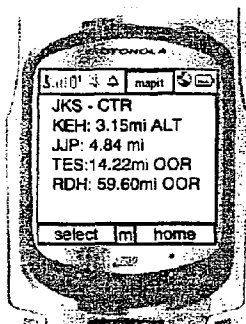


FIG. 2F

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