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(12) **United States Patent**  
**Friedman**

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(54) **SYSTEM, APPARATUS AND METHOD FOR LOCATION-BASED INSTANT MESSAGING**

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(73) Assignee: **Danger, Inc.**, Palo Alto, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 403 days.

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(57) **ABSTRACT**

A computer-implemented method comprising: transmitting positional data identifying a wireless device's position responsive to a first user transmitting a message from the wireless device to one or more other users; and transmitting the positional data to the one or more other users.

(21) Appl. No.: **09/792,547**

(22) Filed: **Feb. 23, 2001**

(65) **Prior Publication Data**

US 2002/0119789 A1 Aug. 29, 2002

(51) **Int. Cl.**<sup>7</sup> ..... **H04Q 7/20**

(52) **U.S. Cl.** ..... **455/456.1**; 455/457; 455/456.2; 455/412.1; 455/414.1; 455/519; 455/41.2; 709/202; 709/204; 709/206; 709/209; 707/1; 707/3; 707/9

(58) **Field of Search** ..... 455/456.1, 412.1, 455/414.1, 519, 41.2, 456.2, 457; 709/202, 204, 206, 209; 707/1, 3, 9

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**35 Claims, 11 Drawing Sheets**

Jackie's Location-Based Buddy List 1100

Name	Location	Distance	Messages	Alert at	Send Message?
Dave	156 Univ, Palo Alto	.25 mi	Coffee at 10?	.2 mi	<input type="button" value="Send"/>
Joe	New York, NY	3000 mi	No Message	5 mi	<input type="button" value="Send"/>
Andy	No Loc	2 mi	No Message	.2 mi	<input type="button" value="Send"/>
Matt	Offline	Offline	No Message	1 mi	<input type="button" value="Send"/>

1110

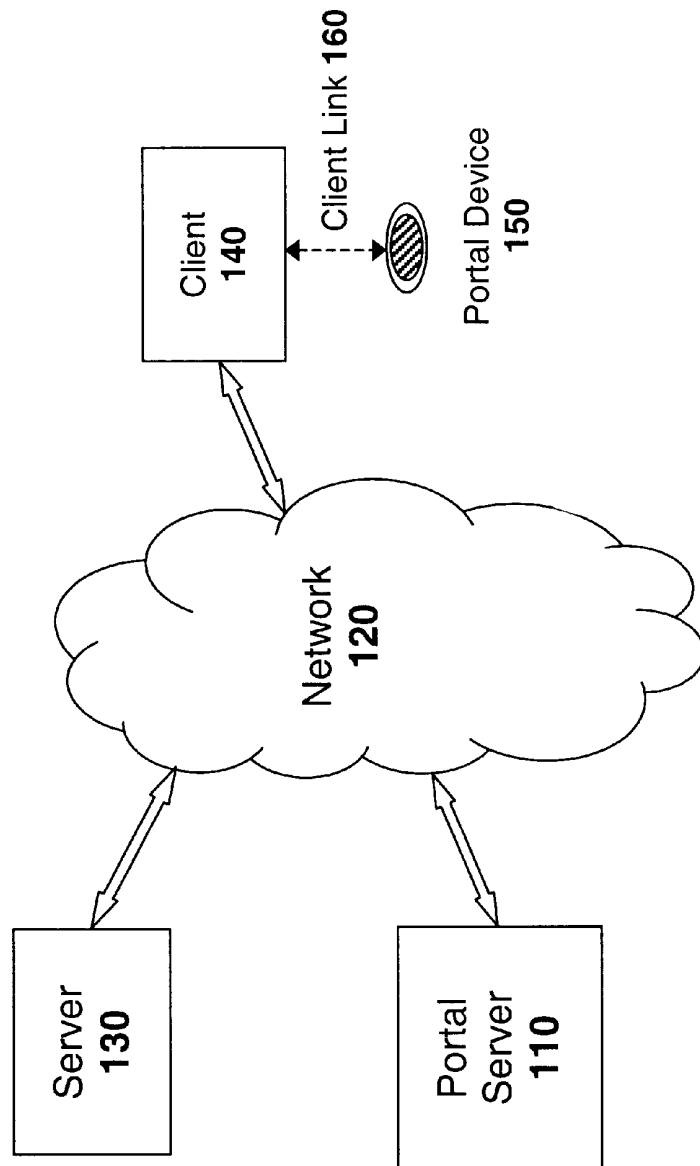
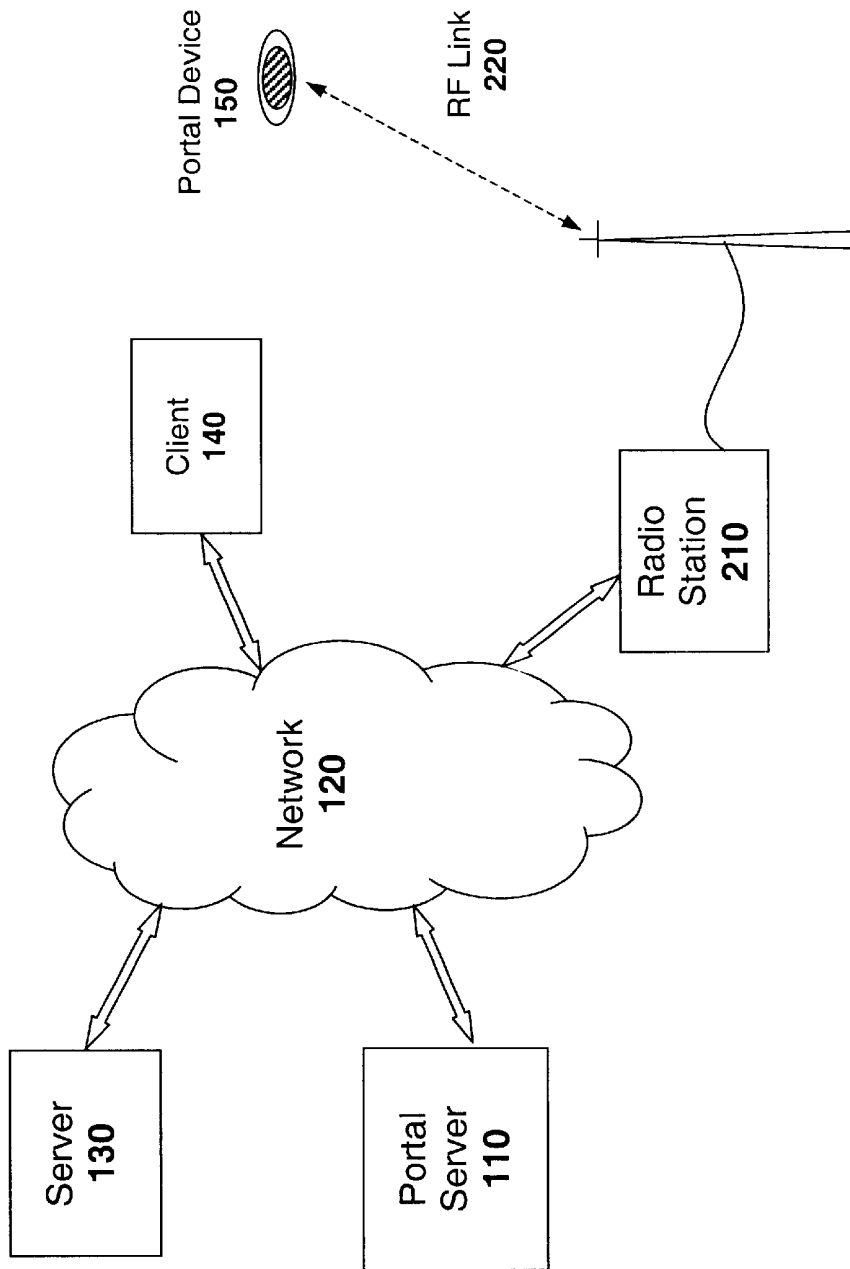


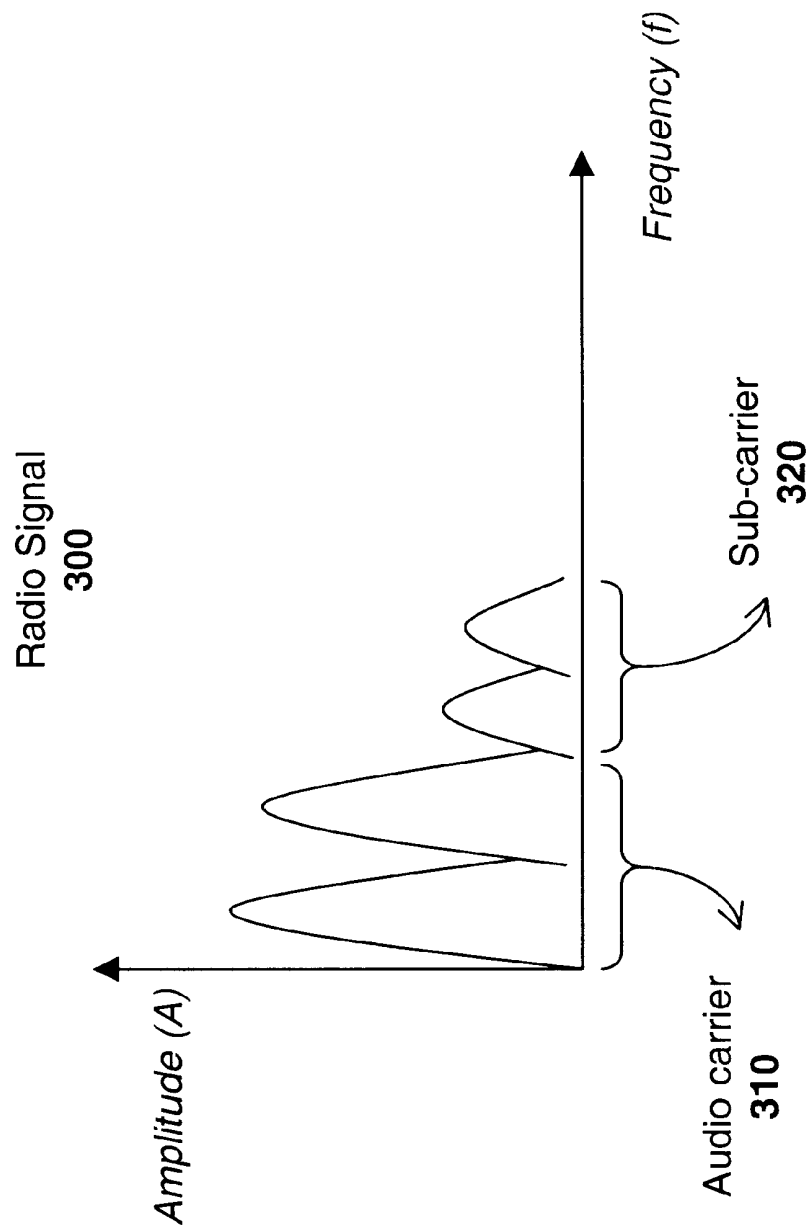
FIG. 1

100



200

**FIG. 2**



**FIG. 3**

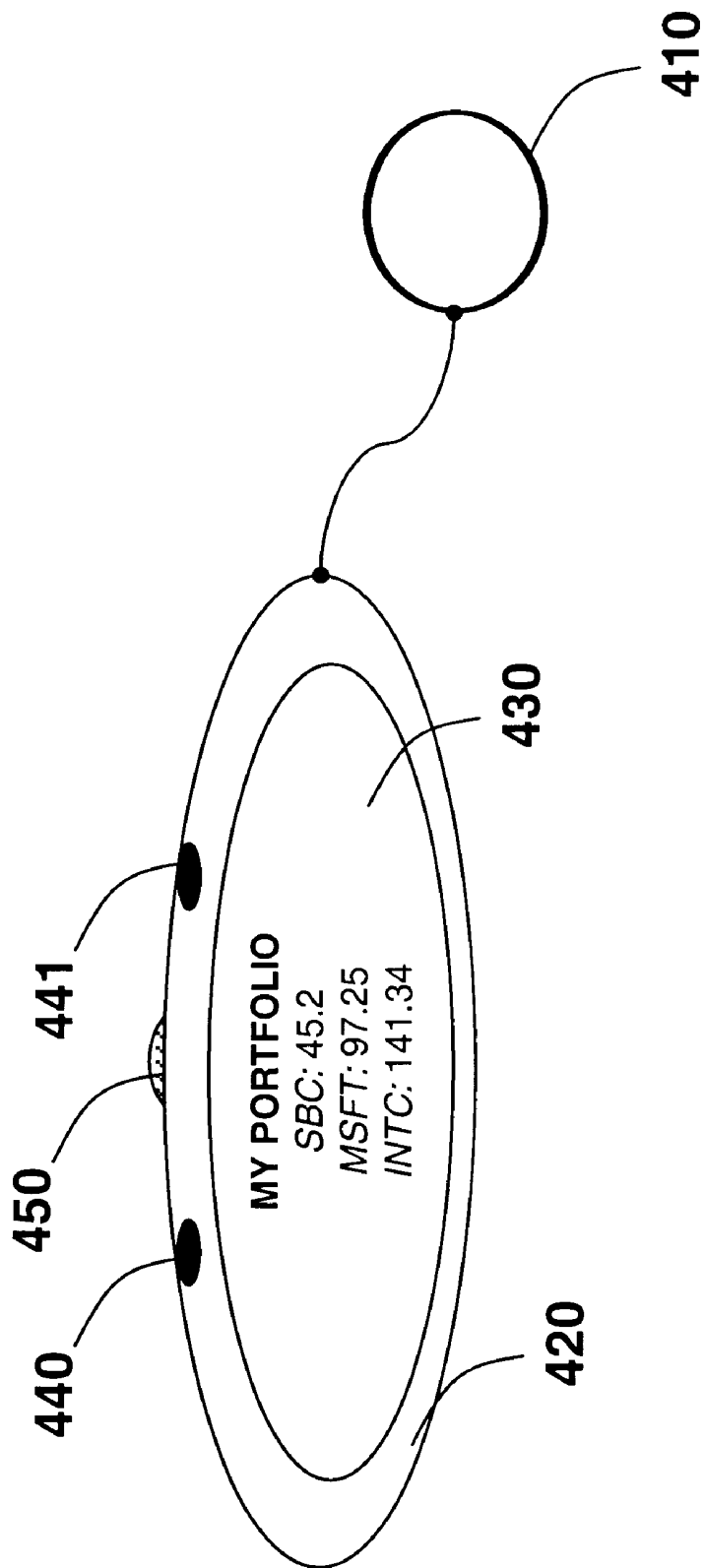


FIG. 4

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