

Exhibit 4



US006853849B1

(12) **United States Patent**
Tognazzini

(10) **Patent No.:** **US 6,853,849 B1**
(45) **Date of Patent:** **Feb. 8, 2005**

- (54) **LOCATION/STATUS-ADDRESSED RADIO/RADIOTELEPHONE**
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- (73) Assignee: **Sun Microsystems, Inc.**, Santa Clara, CA (US)

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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 1188 days.

(21) Appl. No.: **08/655,133**

(22) Filed: **May 30, 1996**

(51) Int. Cl.⁷ **H04Q 7/20**; H04M 3/42

(52) U.S. Cl. **455/457**; 455/414.1; 455/456.1; 455/426.1; 340/991

(58) **Field of Search** 455/456.1, 456.2, 455/456.3, 426, 457, 433, 456, 12.1, 410, 411, 414, 82, 412, 418, 419, 420, 426.1, 126.2, 412.1, 416, 414.1, 414.2, 414.3, 556, 156.2; 342/457, 352, 357; 340/991-995.1

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Primary Examiner—Nay Maung

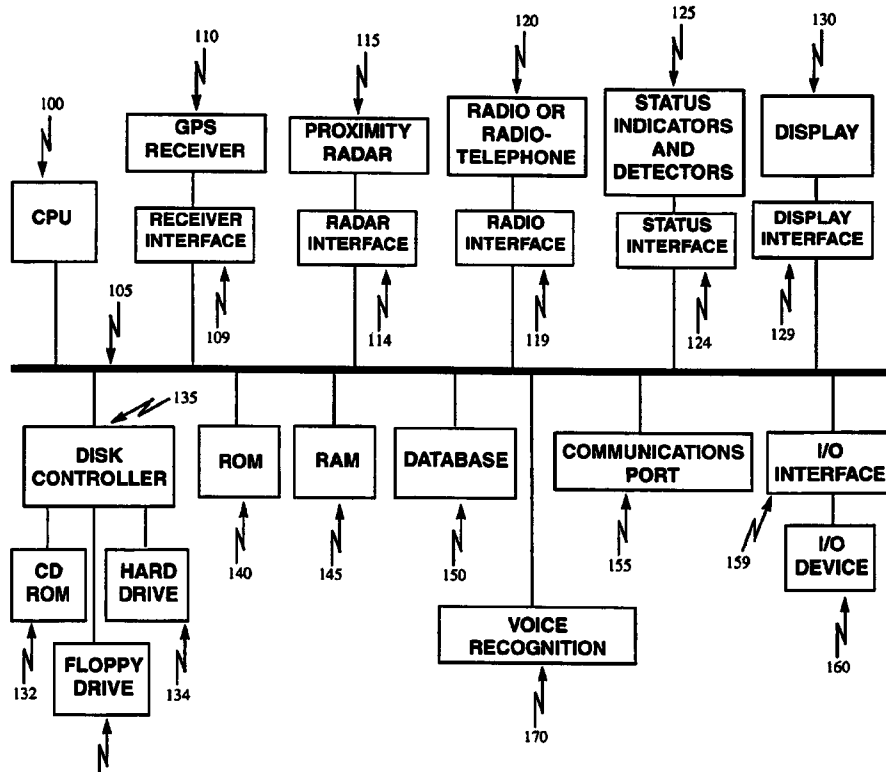
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(74) Attorney, Agent, or Firm—Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

(57) **ABSTRACT**

Point-to-point or point-to-multipoint communications are established based on a database query broadcast to all stations. Stations satisfying the query respond and communications are established with the station(s) responding. The database query is preferably directed to location, status or history of the station being queried. Responding stations may be displayed on a moving map and establishing communications with a responding station can be established by touching an icon of the station on a touch screen display.

19 Claims, 22 Drawing Sheets



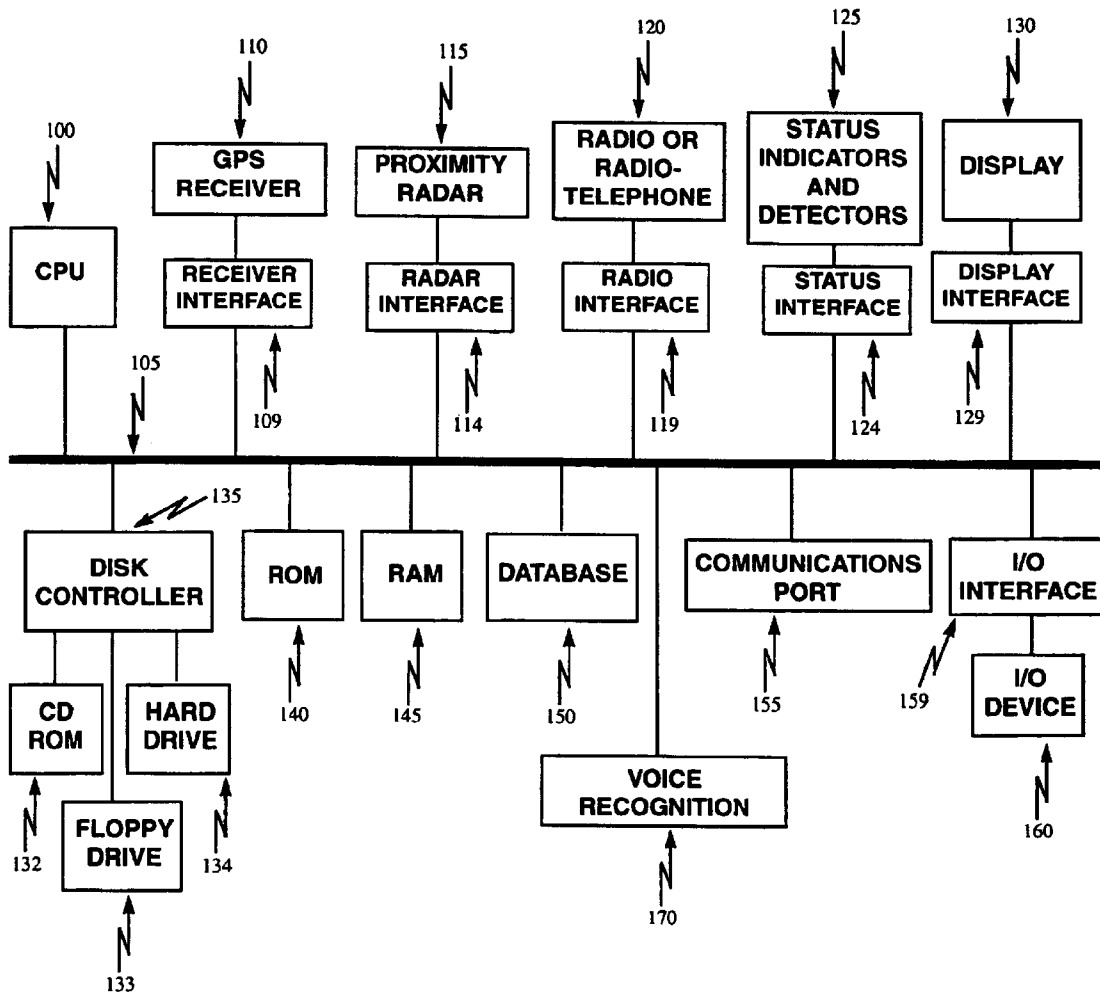


Figure 1

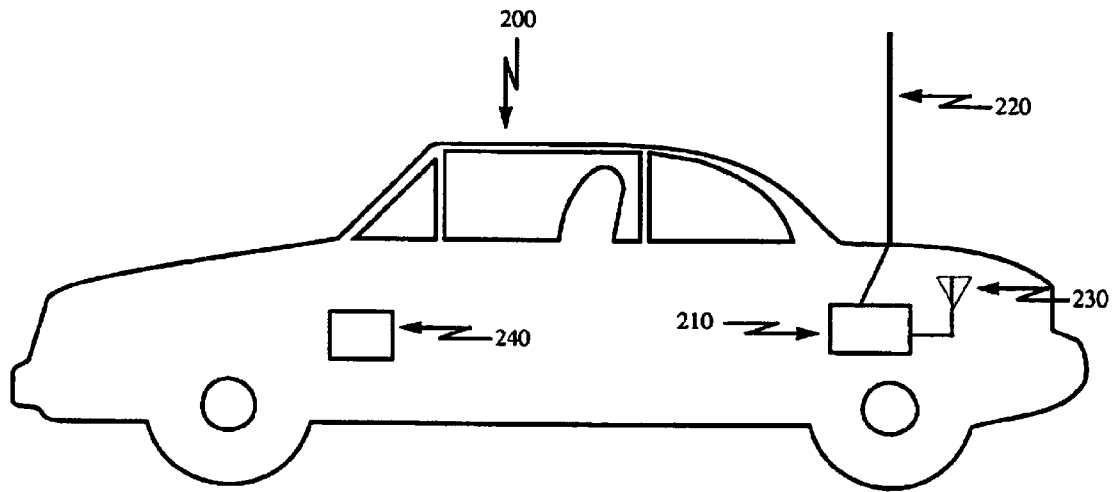


Figure 2

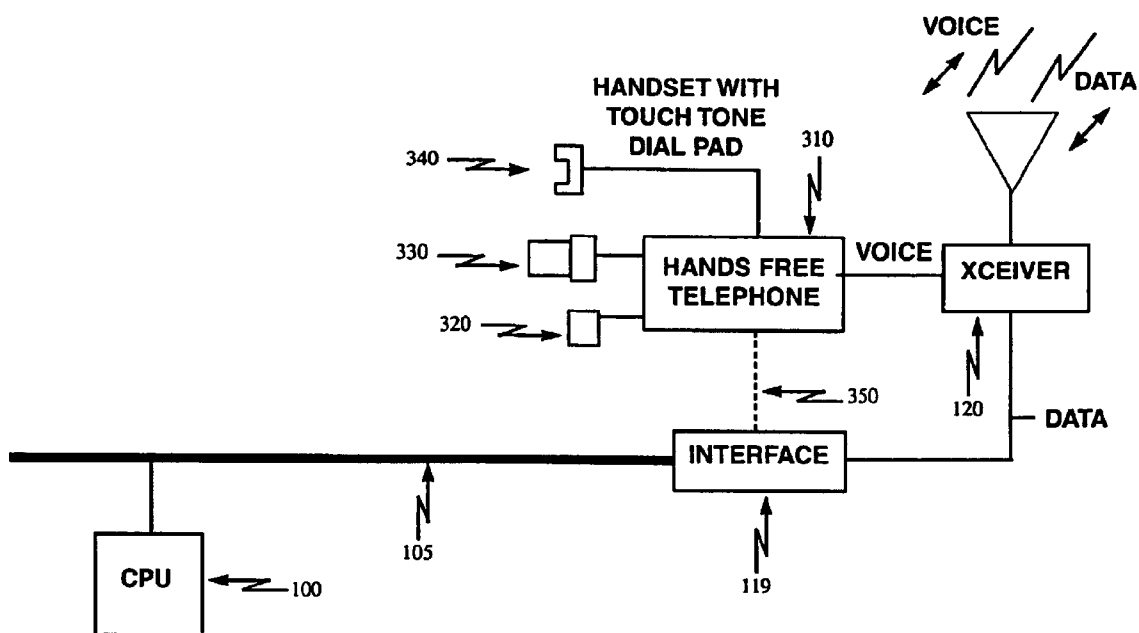


Figure 3

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