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(19) **United States**(12) **Patent Application Publication**
Cheng(10) **Pub. No.: US 2004/0259573 A1**(43) **Pub. Date: Dec. 23, 2004**(54) **SYSTEM AND METHOD FOR PROVIDING
POSITION ALERTING WITH A MOBILE
DEVICE**

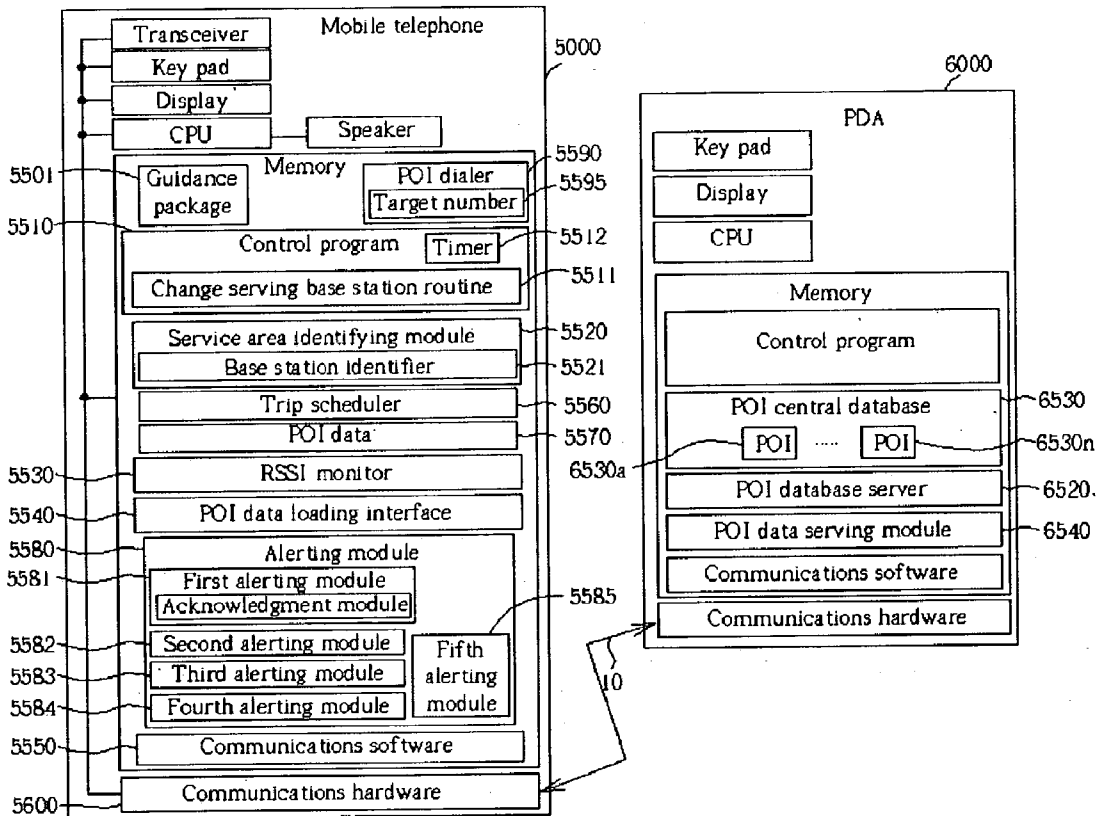
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ABSTRACT(76) **Inventor: Steven D. Cheng, San Diego, CA (US)**

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MERRIFIELD, VA 22116 (US)**(21) **Appl. No.: 10/250,284**(22) **Filed: Jun. 20, 2003****Publication Classification**(51) **Int. Cl.⁷ H04Q 7/20**(52) **U.S. Cl. 455/456.3; 455/456.1**

A cellular device connects with a network of base stations. Each base station covers a corresponding service area, and broadcasts unique identifying information in a standard manner. A portable computing platform is used as a POI database and server for the cellular device, and establishes a communications link with the cellular device. A trip scheduler is provided in the cellular device that interfaces with the POI database server over the communications link to enable a user to extract POI data from the POI database. The POI data includes a POI identifier for a POI, and a related base station identifier that uniquely identifies a target base station having a service area that covers the POI. The cellular device monitors base stations to determine when the cellular device enters into the service area of the target base station, and then provides an alert to the user indicative of the POI.



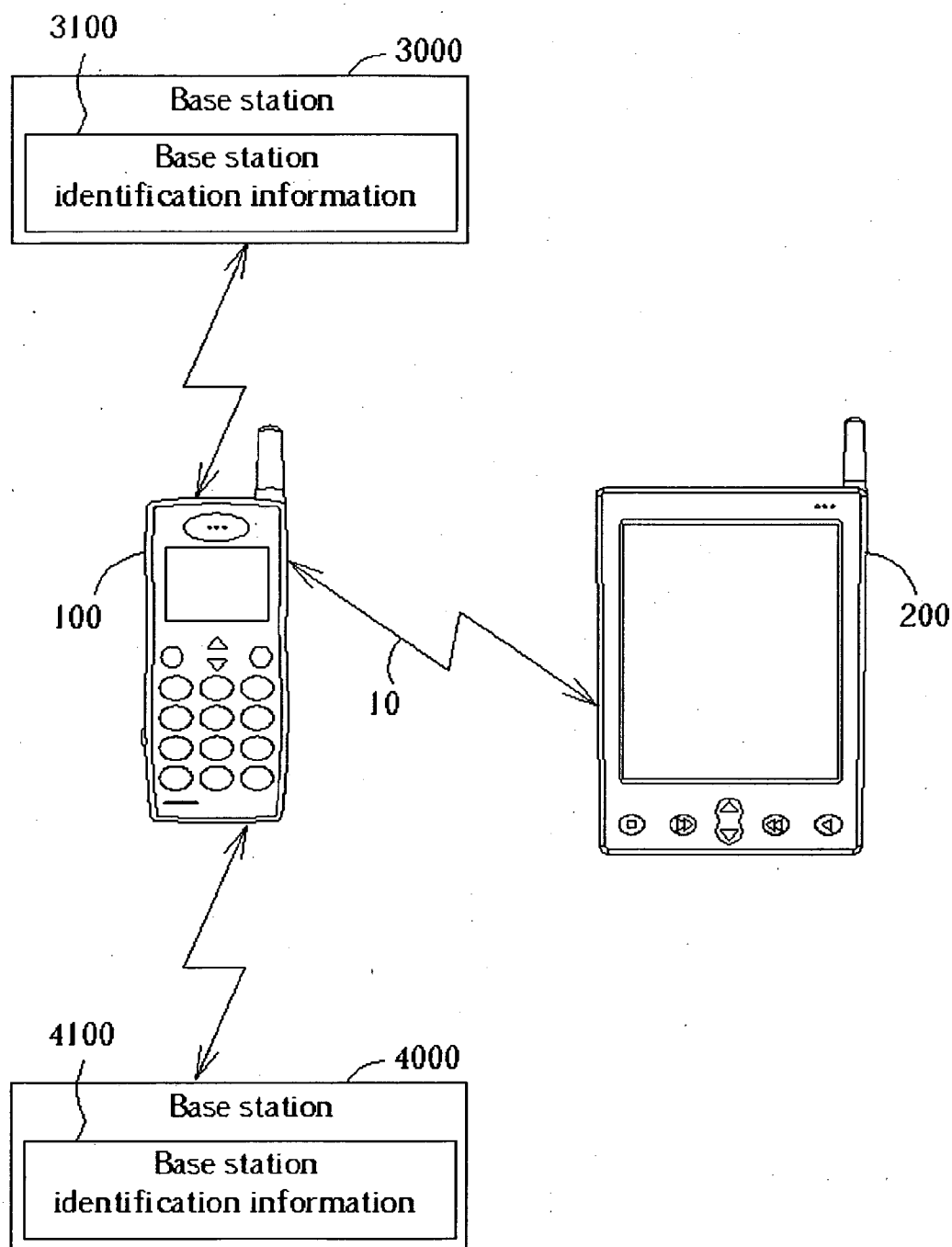


Fig. 1

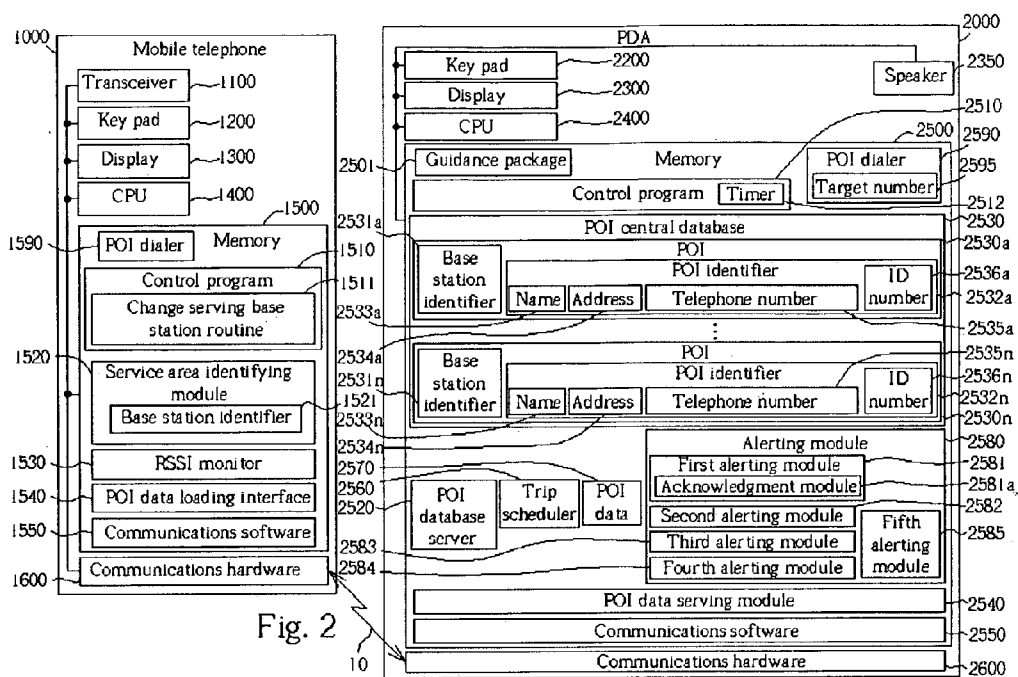
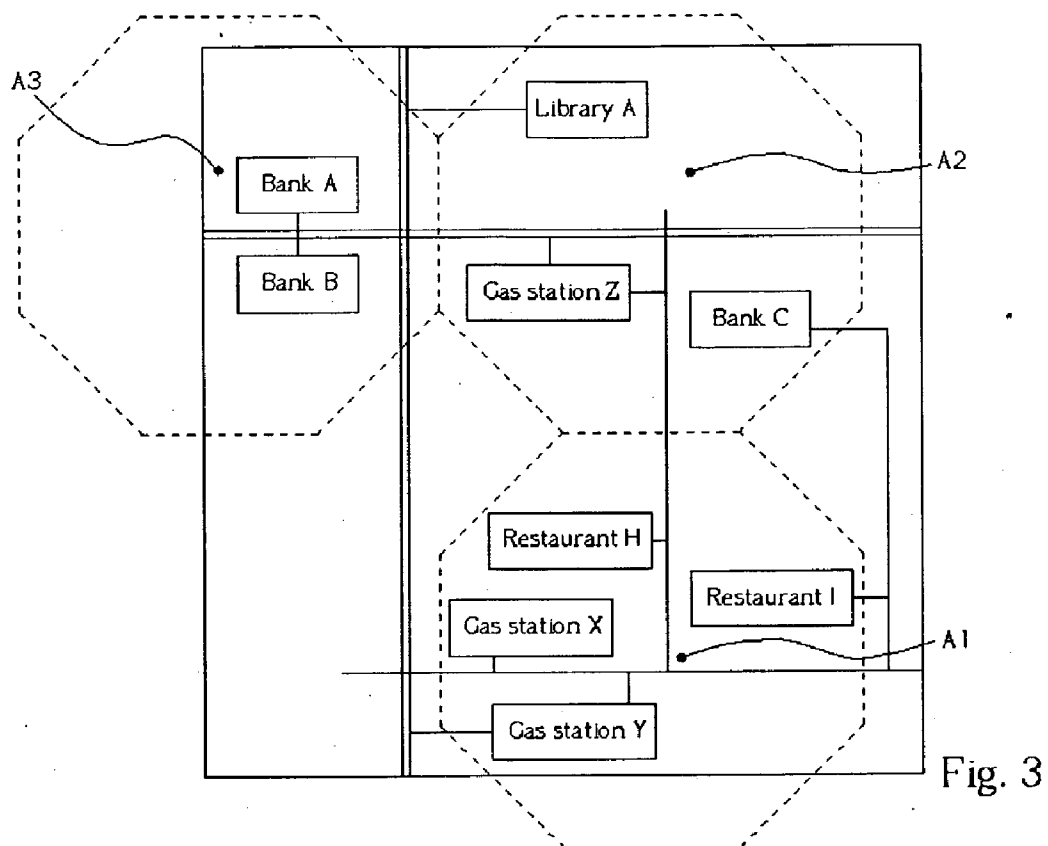
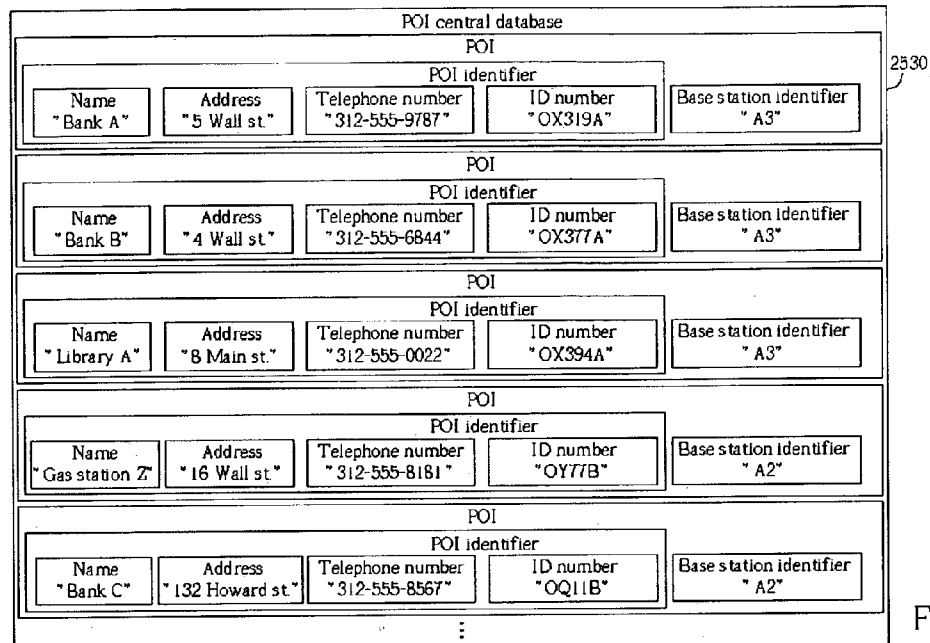


Fig. 2





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