

# EXHIBIT C



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(12) **United States Patent**  
**Brown et al.**

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(54) **METHOD, SYSTEM, AND PROGRAM FOR PROVIDING USER LOCATION INFORMATION WITH A PERSONAL INFORMATION MANAGEMENT PROGRAM**

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(73) Assignee: **International Business Machines Corporation**, Armonk, NY (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 861 days.

Patent Cooperation Treaty (PCT) International Search Report, for International Application No. PCT/GB 02/02051, Search completed on May 9, 2003.

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(74) *Attorney, Agent, or Firm*—David W. Victor; Konrad Raynes & Victor

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(57) **ABSTRACT**

(51) **Int. Cl.**

**G06F 15/16** (2006.01)

(52) **U.S. Cl.** ..... **709/217; 709/203; 707/104.1; 455/456.3**

(58) **Field of Classification Search** ..... **455/456, 455/456.1, 414.2, 456.3; 705/9; 600/300; 709/207, 217, 203; 715/733; 707/104.1**  
See application file for complete search history.

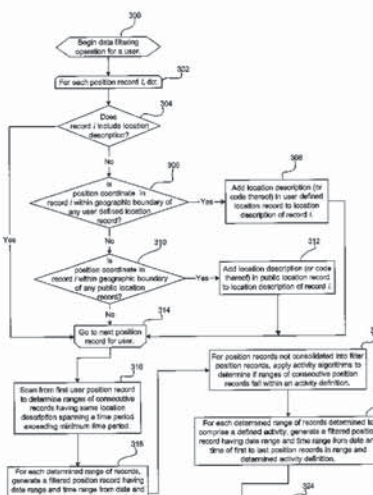
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Provided is a method, system, program, and data structures for providing user location information with a personal information manager program. Position coordinates of a wireless device associated with a user are generated, along with time information indicating a time when the position coordinates were generated. The position coordinates and time information are processed to determine geographic locations and associated time periods. For each determined geographical location and associated time period, the user of the wireless device was located at the geographical location for the associated time period. A request is received for information on the user for a selected time interval. A determination is then made of time periods associated with geographic locations that are within the selected time interval. Information is then generated on the geographic locations and associated time periods that are within the selected time interval.

**23 Claims, 9 Drawing Sheets**



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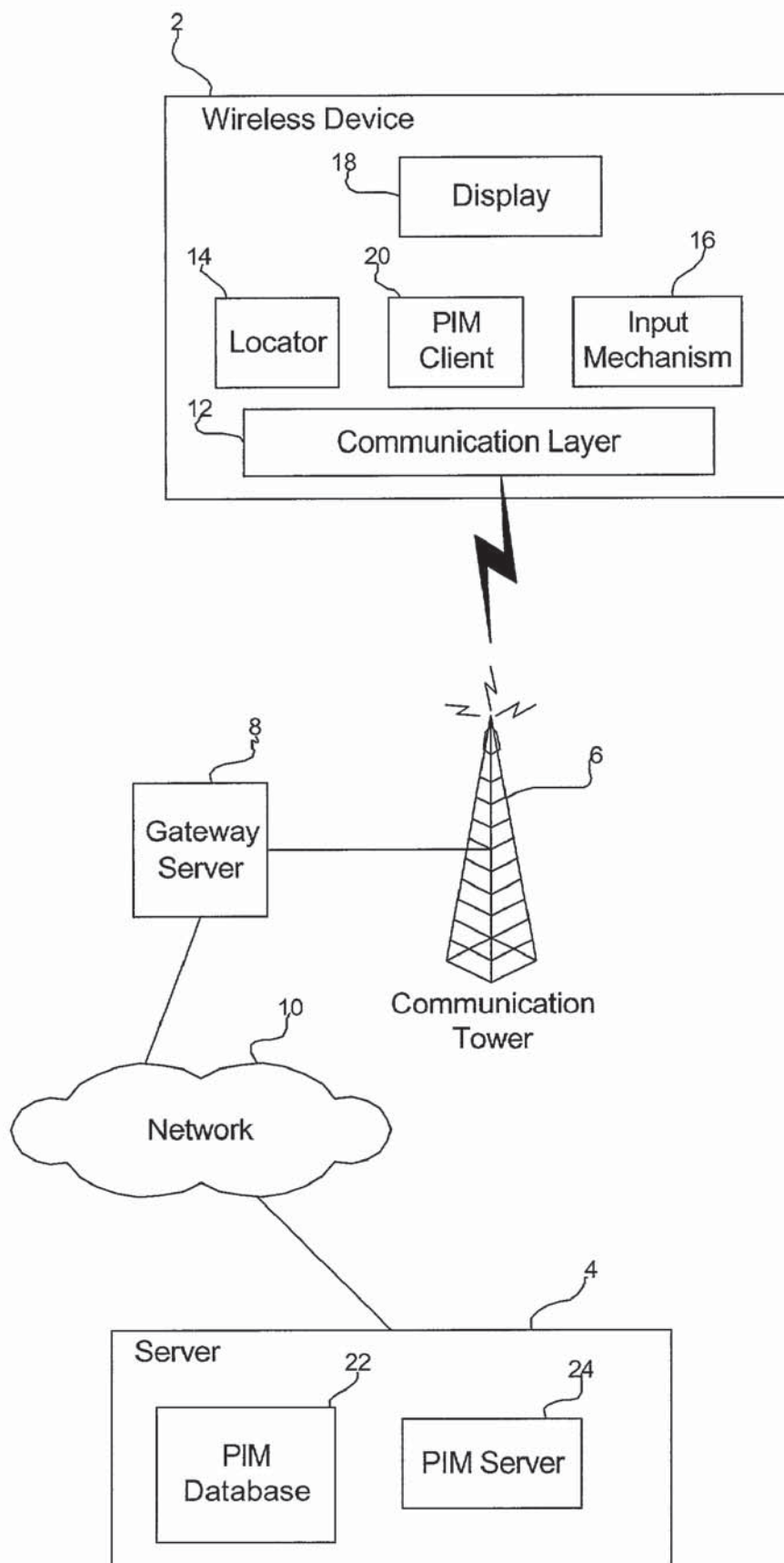
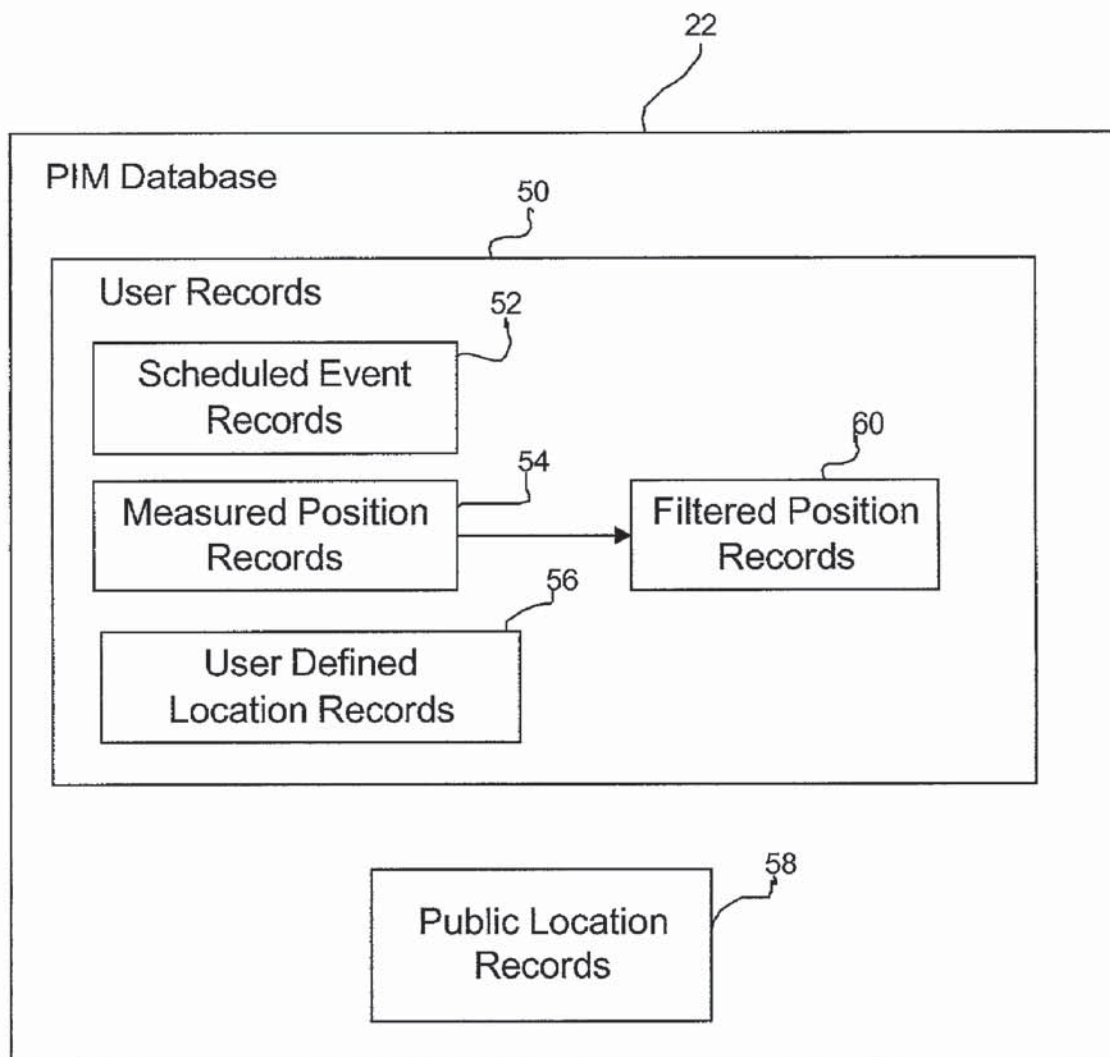


FIG. 1



FIG. 2



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