



(19) **United States**

(12) **Patent Application Publication**  
**Salmre et al.**

(10) **Pub. No.: US 2006/0116817 A1**

(43) **Pub. Date: Jun. 1, 2006**

(54) **LOCATION AWARE MOBILE-DEVICE SOFTWARE DEVELOPMENT**

(52) **U.S. Cl. .... 701/211; 340/995.1; 340/995.14; 701/208**

(75) **Inventors: Ivo W. Salmre, Aachen (DE); Frank Mantek, Wermelskirchen (DE)**

(57) **ABSTRACT**

Correspondence Address:  
**MERCHANT & GOULD (MICROSOFT)**  
**P.O. BOX 2903**  
**MINNEAPOLIS, MN 55402-0903 (US)**

A development environment makes it easier to develop and use location aware software applications. Combining the currently separate and complex tasks of location information gathering, analysis, and display and making them integrated such that non-experts can build location services into their applications increases a developer's capability to write rich location-aware software applications. A higher level programming model allows a programmer to use location information as a logical entity rather than just raw location data, such as latitude and longitude. A location data store and map data store may be accessed by different location aware applications on the device. Instead of each location application relying on its own data store, applications may share their location related information.

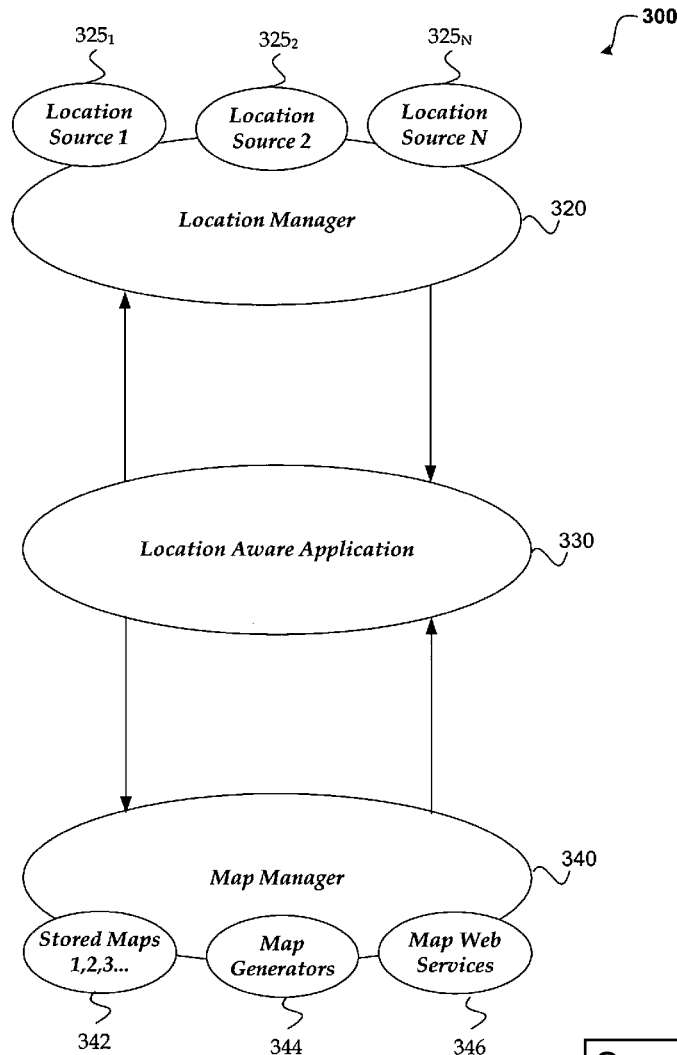
(73) **Assignee: Microsoft Corporation, Redmond, WA**

(21) **Appl. No.: 10/998,081**

(22) **Filed: Nov. 26, 2004**

**Publication Classification**

(51) **Int. Cl. G01C 21/30 (2006.01)**



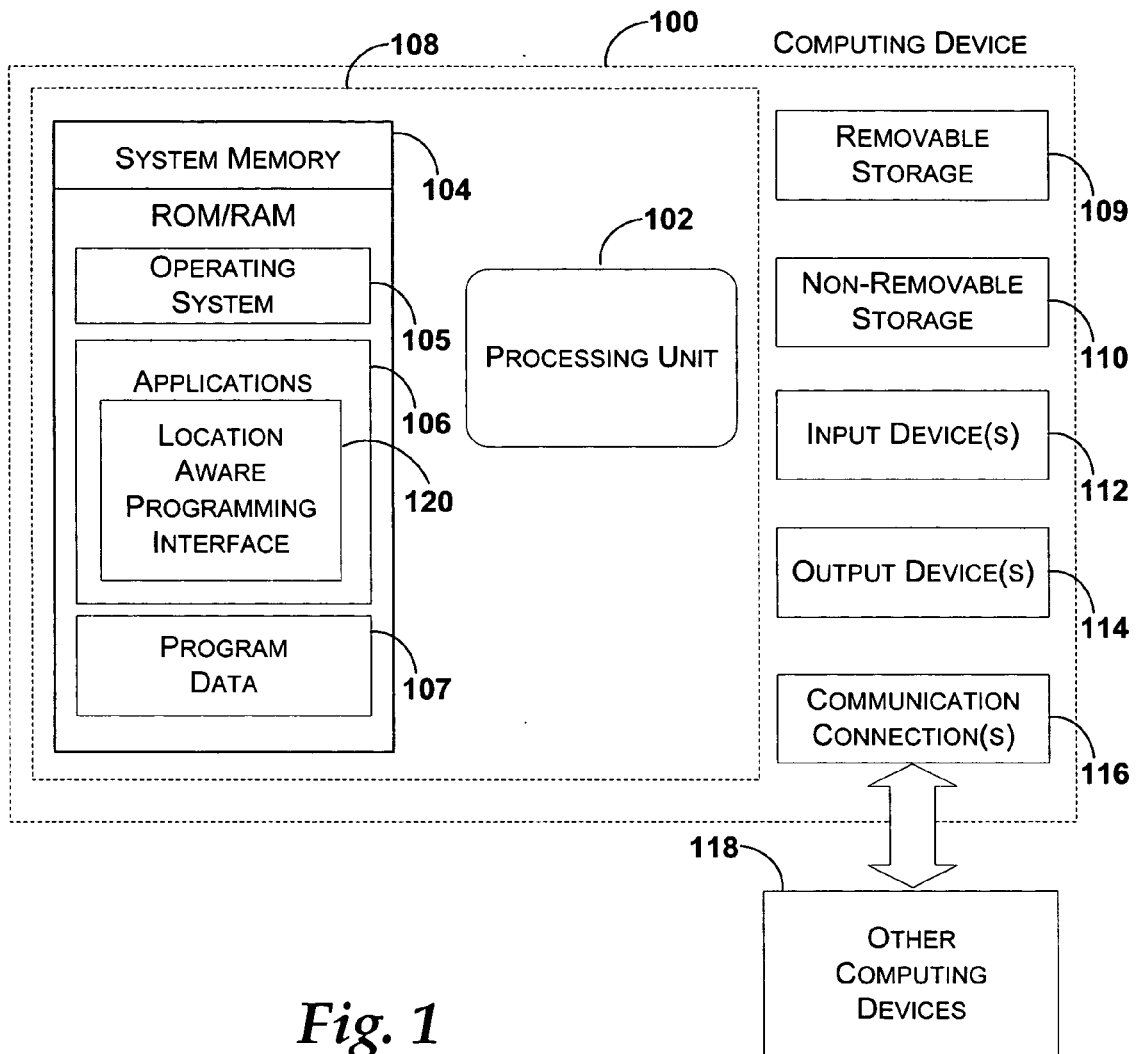


Fig. 1

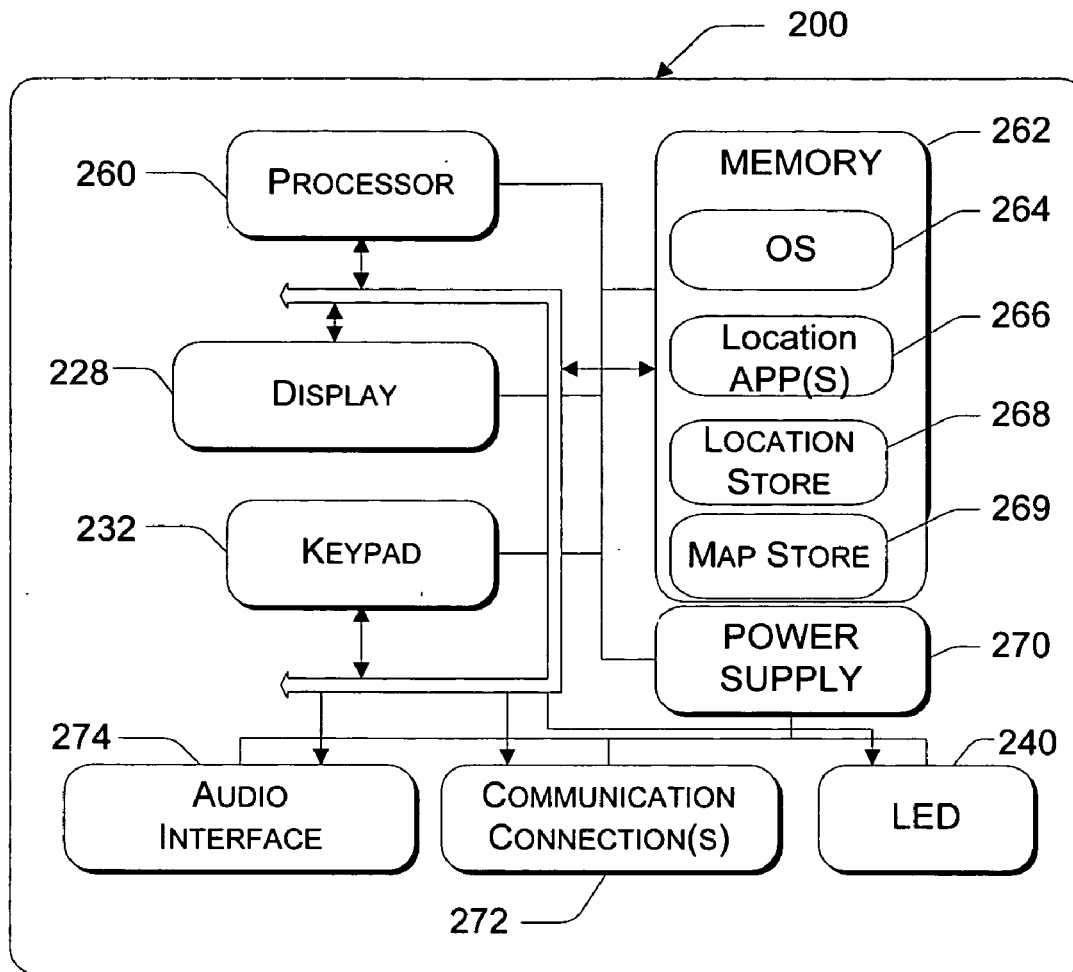


Fig.2

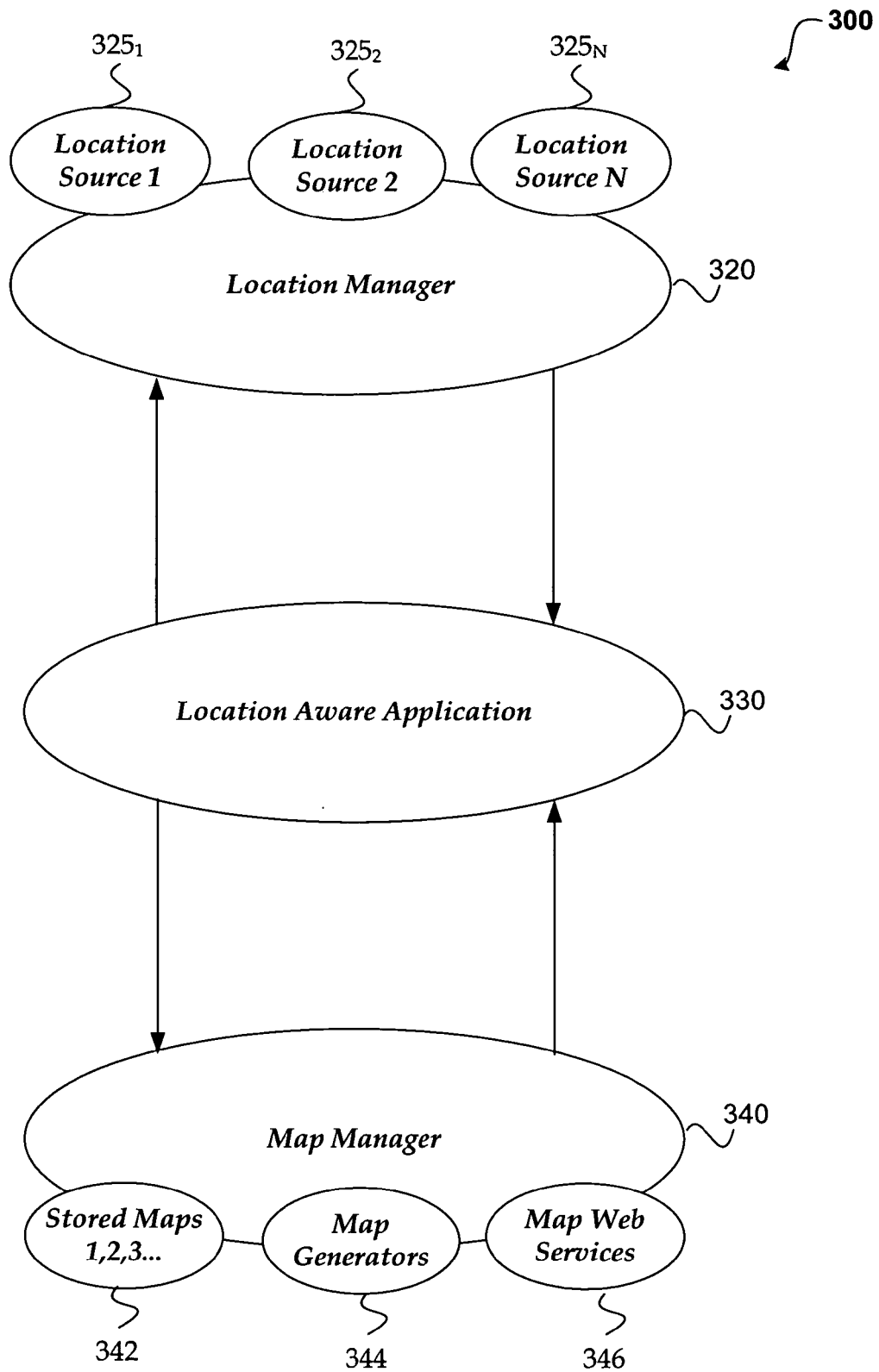


Fig. 3

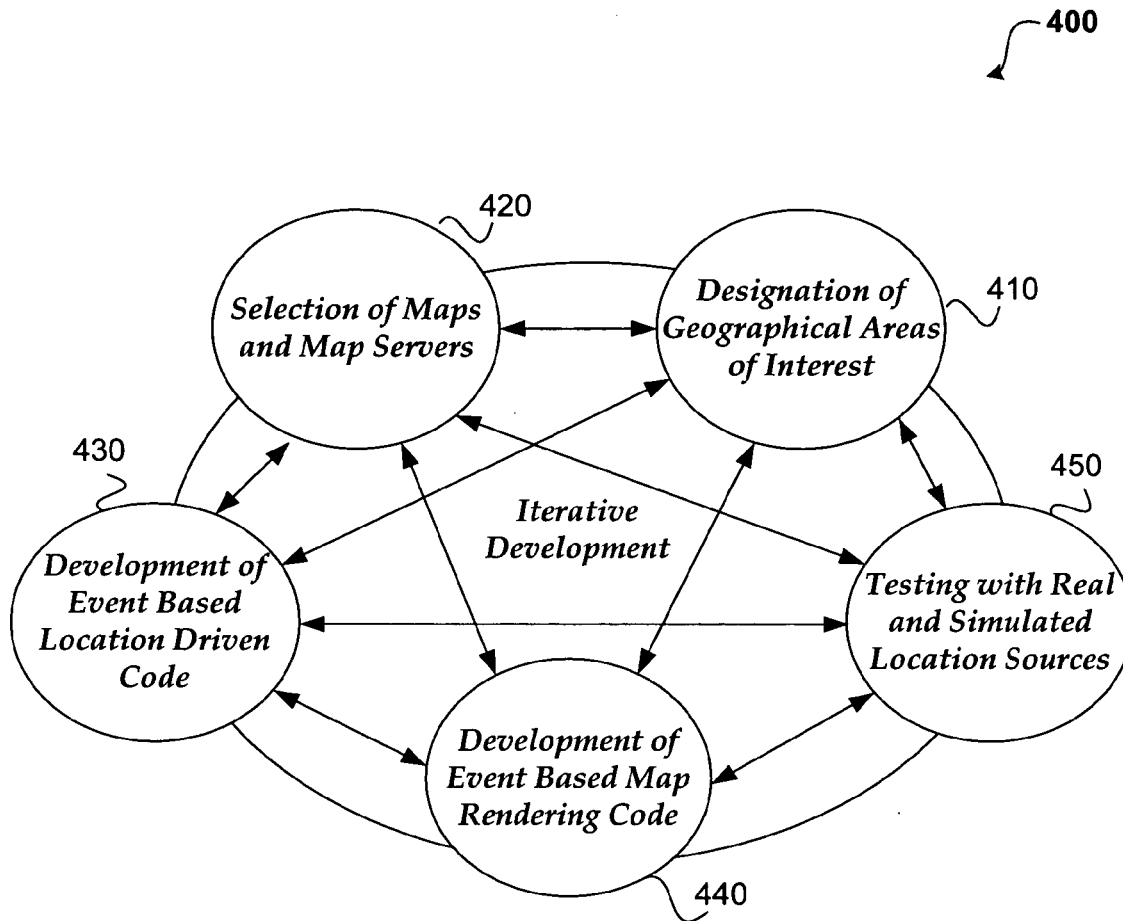


Fig. 4

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.