



US 20100151882A1

(19) **United States**

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

(10) **Pub. No.: US 2010/0151882 A1**

(43) **Pub. Date: Jun. 17, 2010**

(54) **LOCATION LOGGING AND LOCATION AND TIME BASED FILTERING**

(75) Inventors: **Donald William Gillies**, San Diego, CA (US); **Charles N. Lo**, San Diego, CA (US); **Stephen W. Edge**, Escondido, CA (US)

Correspondence Address:
QUALCOMM INCORPORATED
5775 MOREHOUSE DR.
SAN DIEGO, CA 92121 (US)

(73) Assignee: **QUALCOMM Incorporated**, San Diego, CA (US)

(21) Appl. No.: **12/636,037**

(22) Filed: **Dec. 11, 2009**

Related U.S. Application Data

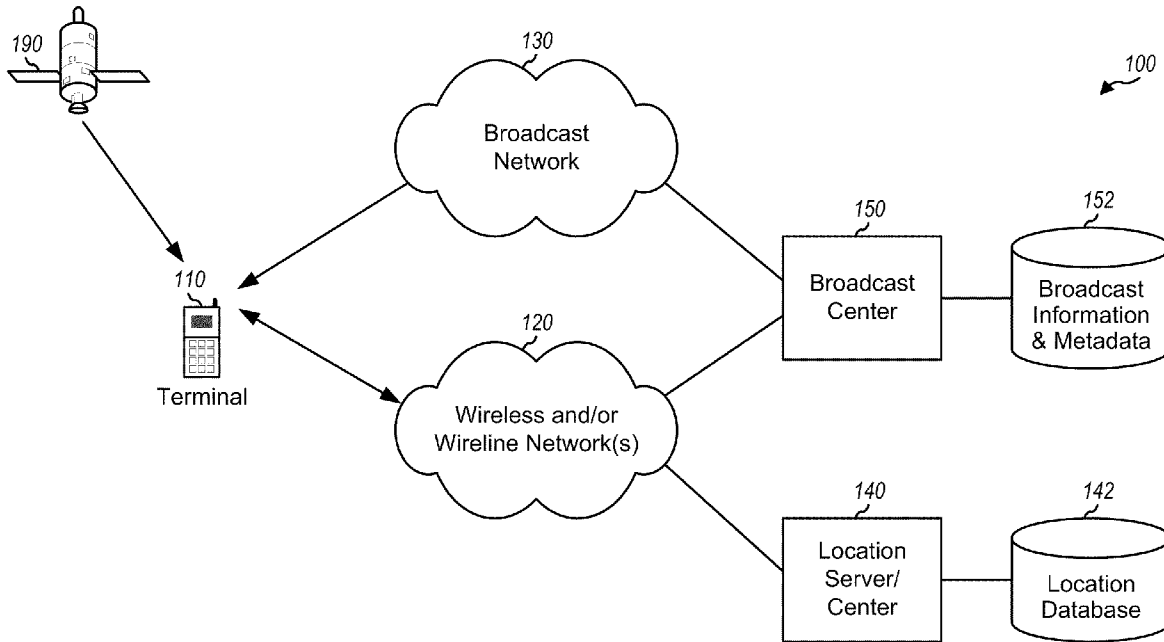
(60) Provisional application No. 61/122,681, filed on Dec. 15, 2008.

Publication Classification

(51) **Int. Cl.**
H04W 64/00 (2009.01)
(52) **U.S. Cl.** **455/456.1**

(57) **ABSTRACT**

Techniques for performing location logging and location and time based filtering are described. In one design of location logging, a terminal periodically determines its location, e.g., during its paging slots. The terminal determines whether there is a change in its location and stores its location if a change in location is detected. In one design of location and time based filtering, the terminal obtains a location and time criterion with a target area and a time period. The terminal determines its location during the time period, e.g., based on the location log. The terminal evaluates the location and time criterion based on the target area and its location during the time period, e.g., based on at least one sector ID for the target area and one or more sector IDs for its location. The terminal determines whether to download and/or present broadcast information based on the result of the evaluation.



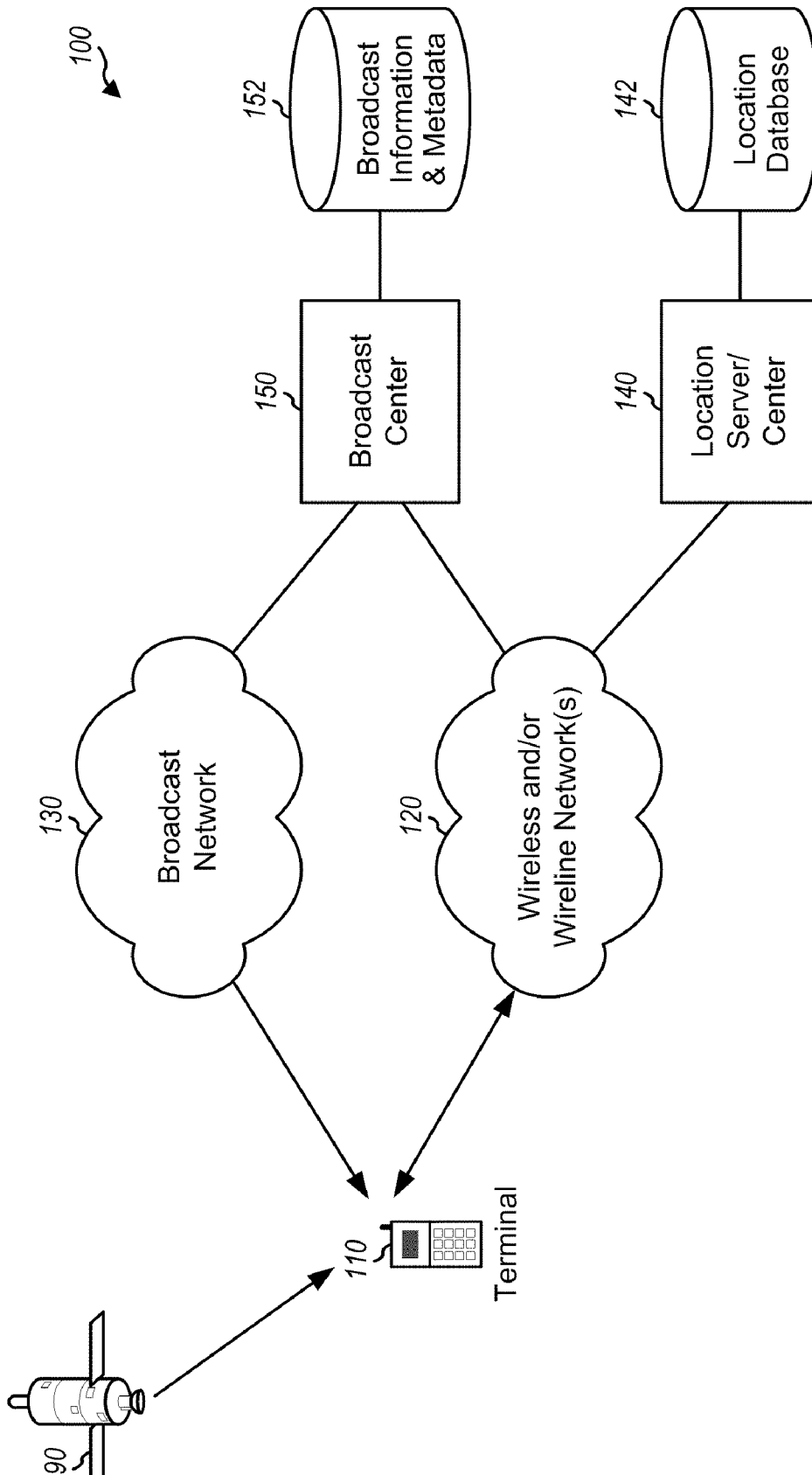


FIG. 1

In each paging slot,

1. wake up from sleep,
2. listen for pages,
3. make pilot measurements,
4. determine if another sector is more suitable,
5. go back to sleep if no change in serving sector, and
6. register for pages in new serving sector if there is a change.

In each logging interval,

1. determine if there is a change in serving sector, and
2. log sector ID of new serving sector if there is a change.

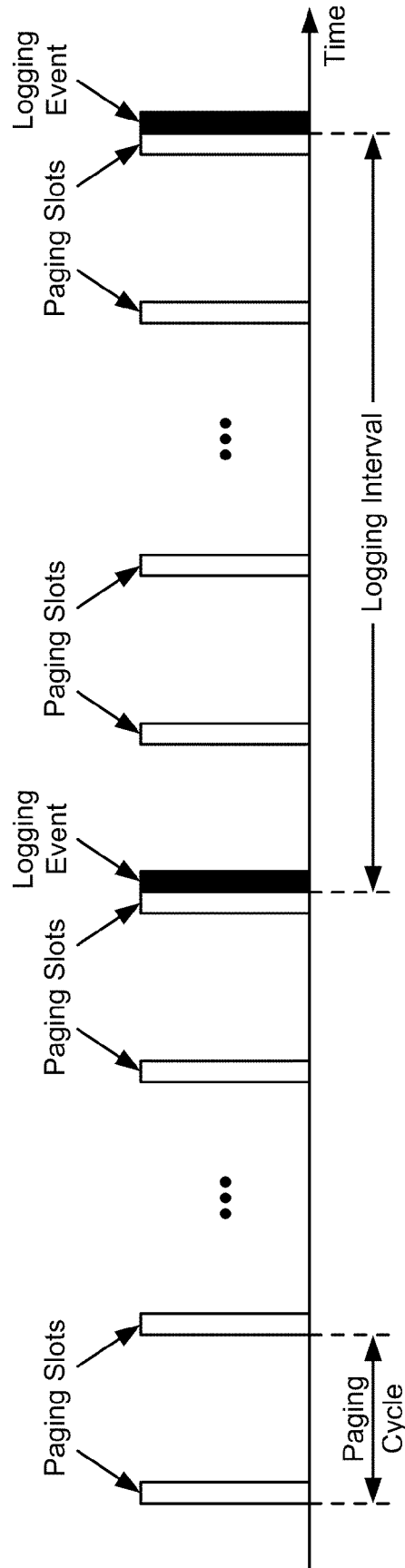


FIG. 2

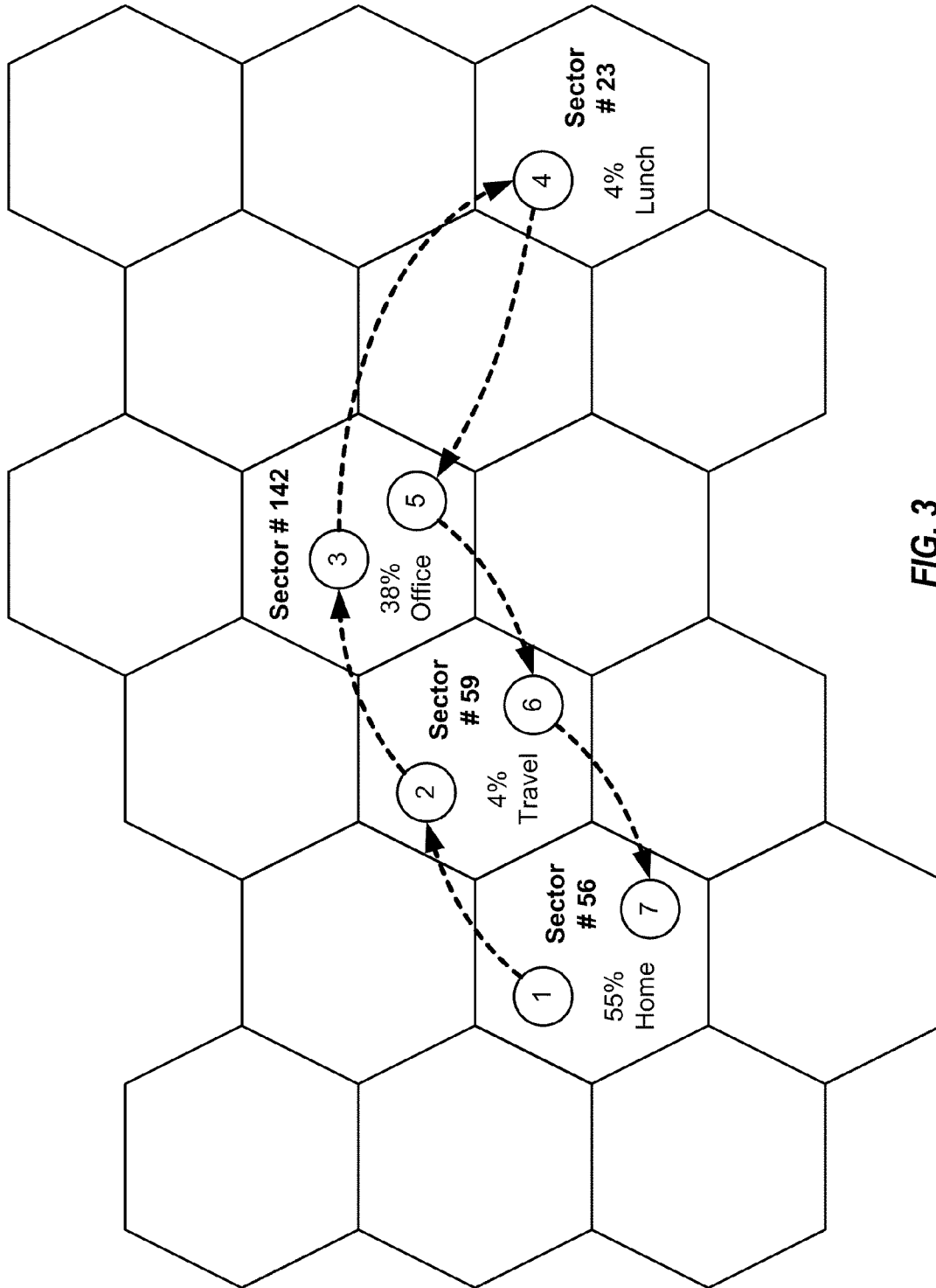


FIG. 3

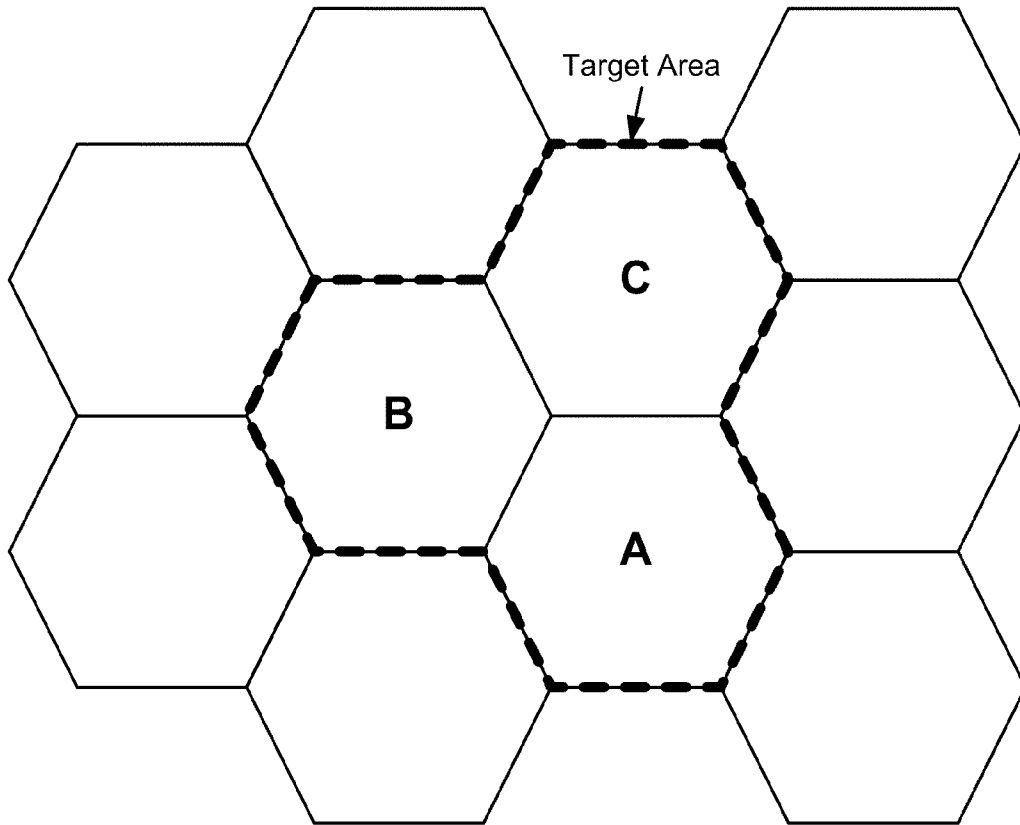


FIG. 4A

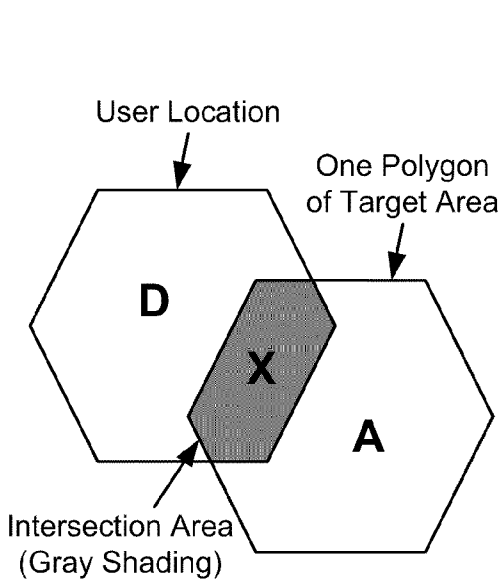


FIG. 4B

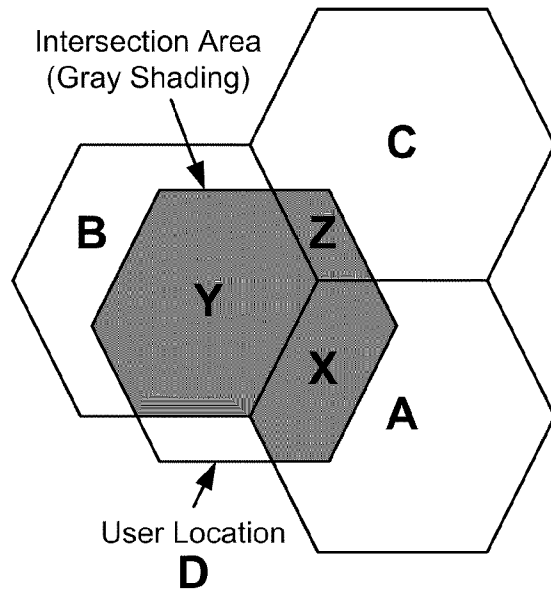


FIG. 4C

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.