



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

(10) **Patent No.:** **US 6,366,782 B1**  
(45) **Date of Patent:** **\*Apr. 2, 2002**

(54) **METHOD AND APPARATUS FOR ALLOWING A USER OF A DISPLAY-BASED TERMINAL TO COMMUNICATE WITH COMMUNICATION UNITS IN A COMMUNICATION SYSTEM**

(75) Inventors: **Arthur L. Fumarolo**, Schaumburg;  
**Brett A. Jackson**, Arlington Heights,  
both of IL (US)

(73) Assignee: **Motorola, Inc.**, Schaumburg, IL (US)

(\* ) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/415,297**

(22) Filed: **Oct. 8, 1999**

(51) **Int. Cl.**<sup>7</sup> ..... **H04Q 7/20**

(52) **U.S. Cl.** ..... **455/457; 455/509**

(58) **Field of Search** ..... 455/456, 457, 455/404, 521, 520, 518, 519, 414, 557, 508, 509; 340/901, 904, 905, 988, 990, 989, 995, 286.01, 286.02, 286.06, 286.14, 825.49, 539, 457, 577, 329-332, 335, 969, 978; 379/45, 48, 49, 38; 701/708, 117, 342, 357.09, 357.1, 357.13, 357.07

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,904,727 A \* 5/1999 Prabhakaran ..... 701/208

\* cited by examiner

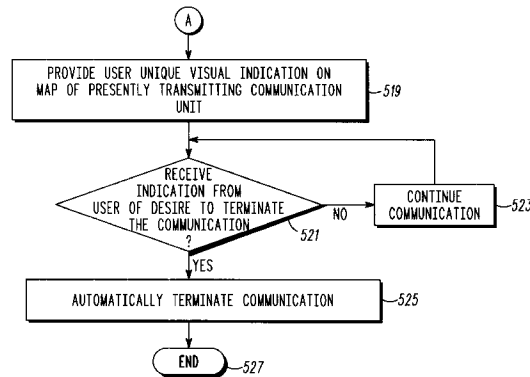
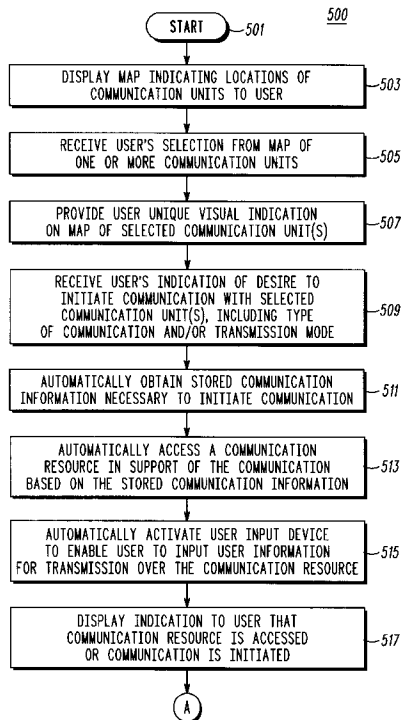
*Primary Examiner*—Marsha D. Banks-Harold

(74) *Attorney, Agent, or Firm*—Susan L. Lukasik; Val Jean F. Hillman; Steven R. Santema

(57) **ABSTRACT**

A display-based terminal (101) employs a method and apparatus for allowing a user of the terminal to communicate with communication units (105-113) in a communication system (100). The terminal displays a map (300, 400) to the user indicating locations of communication units in at least a portion of the communication system. The terminal then receives a selection from the map of at least one communication unit (105, 108, 109, 113) and an indication (309, 311) of the user's desire to communicate with the selected communication unit. The indication of the user's desire to communicate may be contemporaneous with the user's selection of the communication unit, for example, when the user has, prior to such selection, indicated a desired type (302-305, 401-404) of communication and/or a desired transmission mode (406) for subsequent communications with the communication units. Responsive to receipt of the user's selection of the communication unit and indication of a desire to communicate, the terminal automatically initiates a communication with the selected communication unit.

**41 Claims, 8 Drawing Sheets**



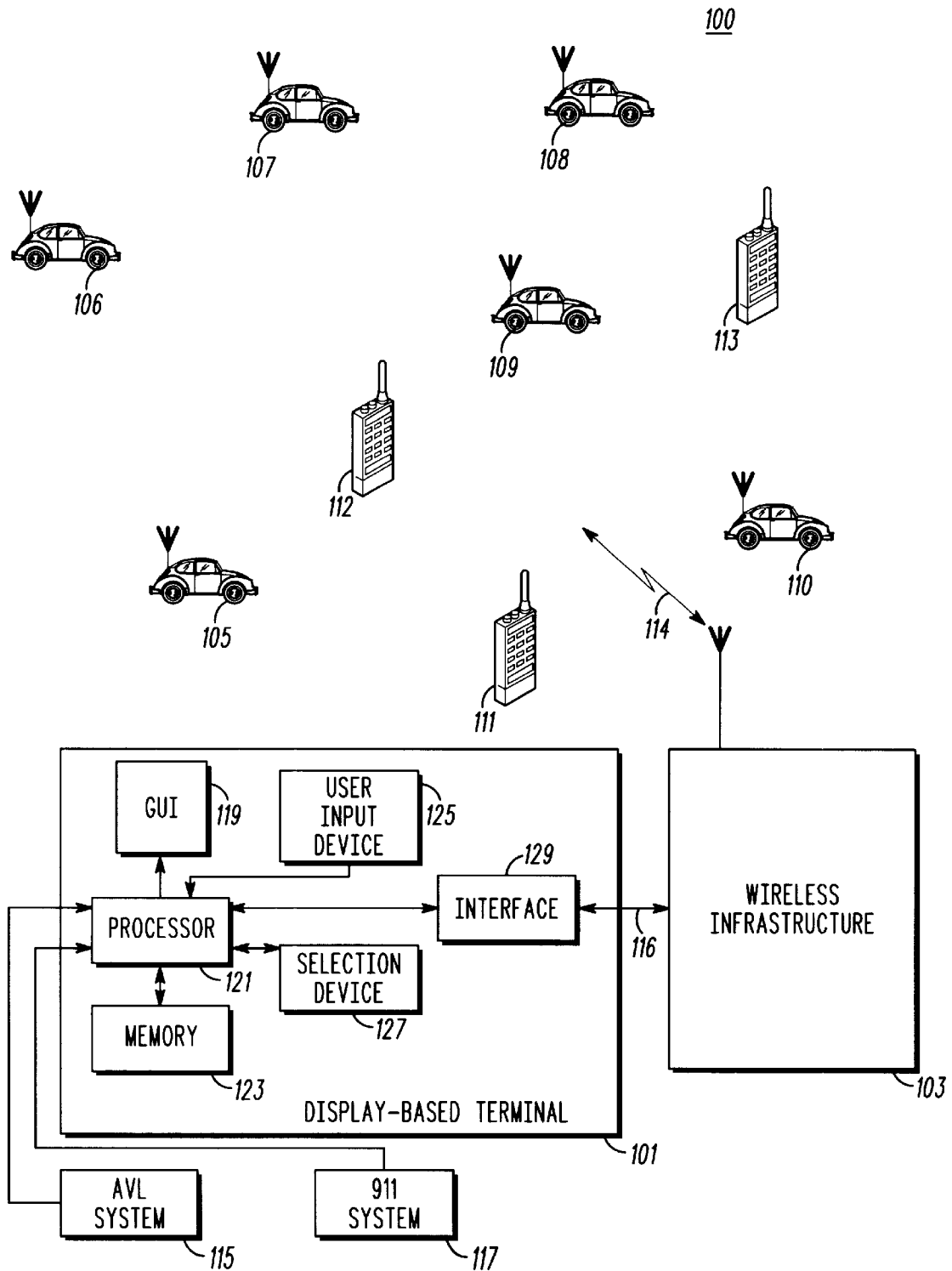


FIG. 1

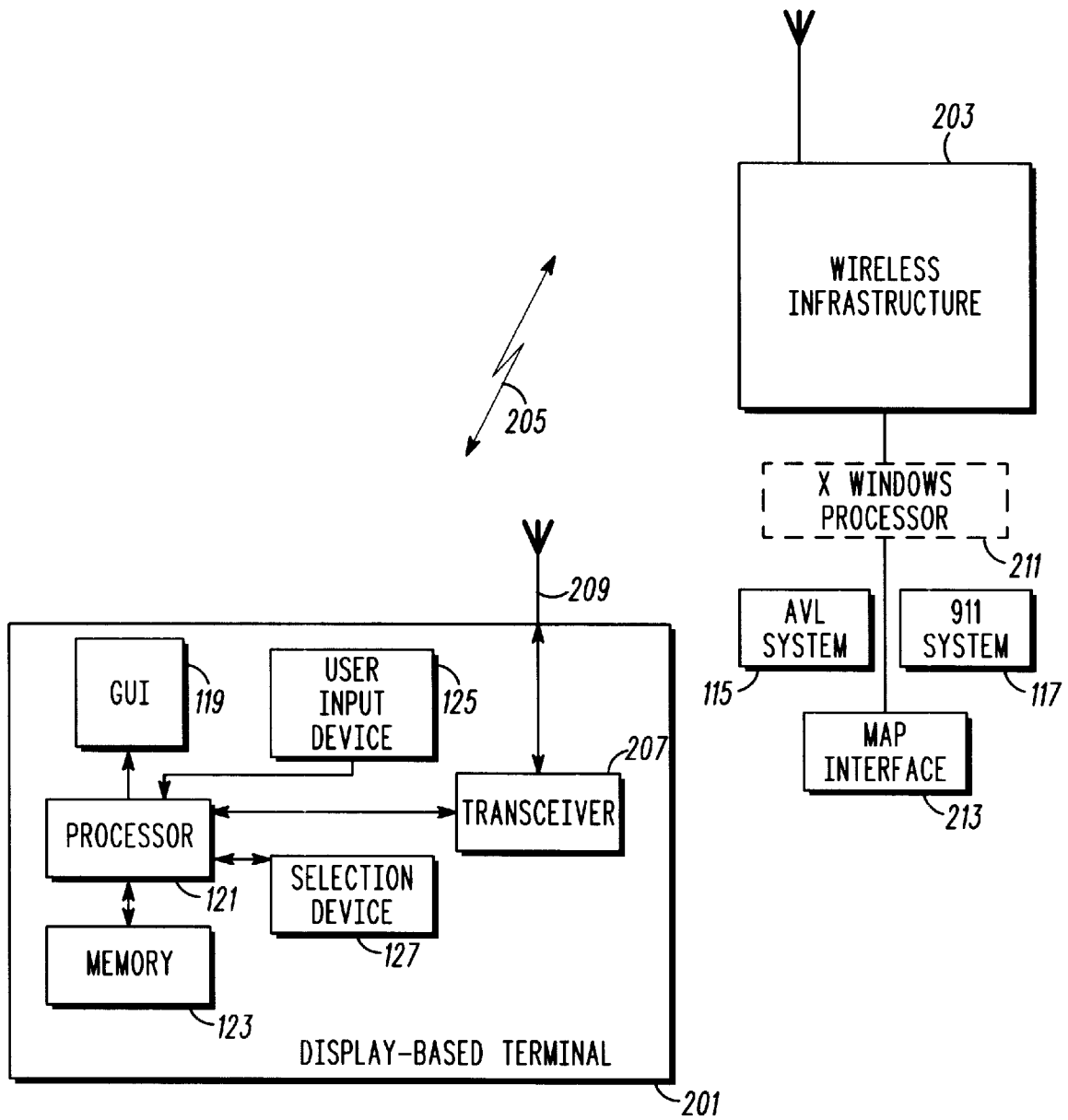


FIG. 2

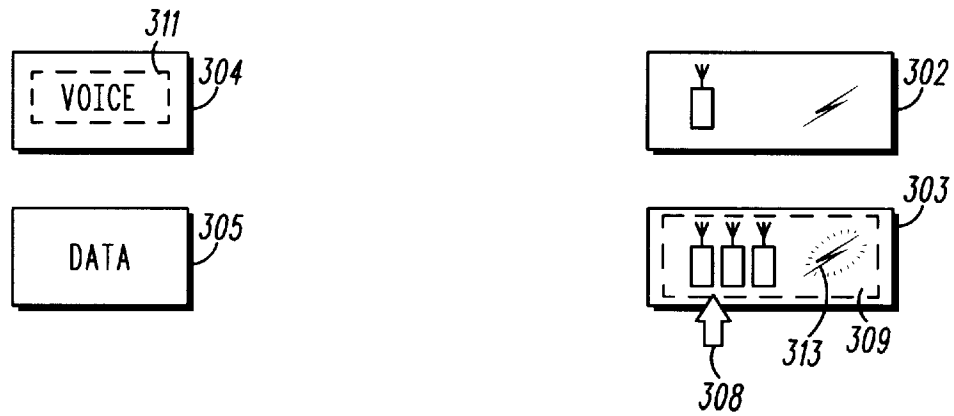
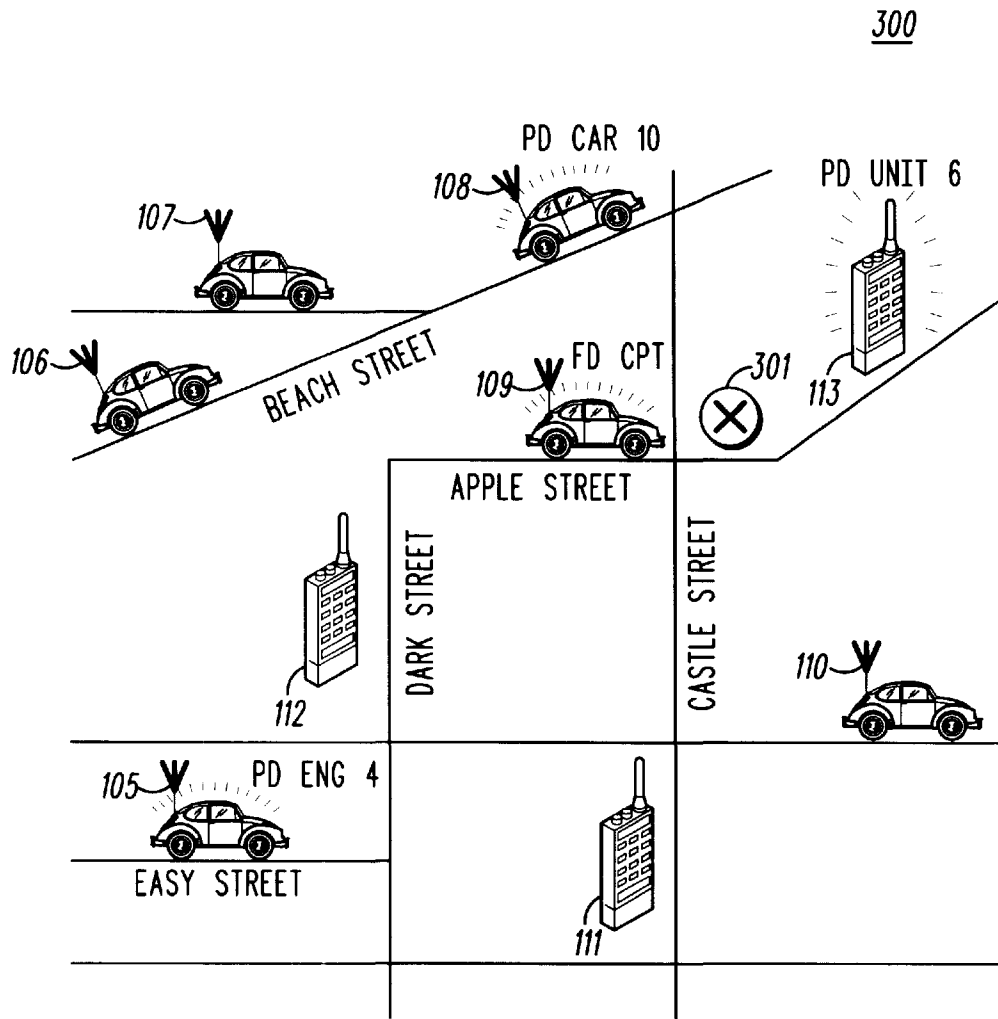


FIG. 3

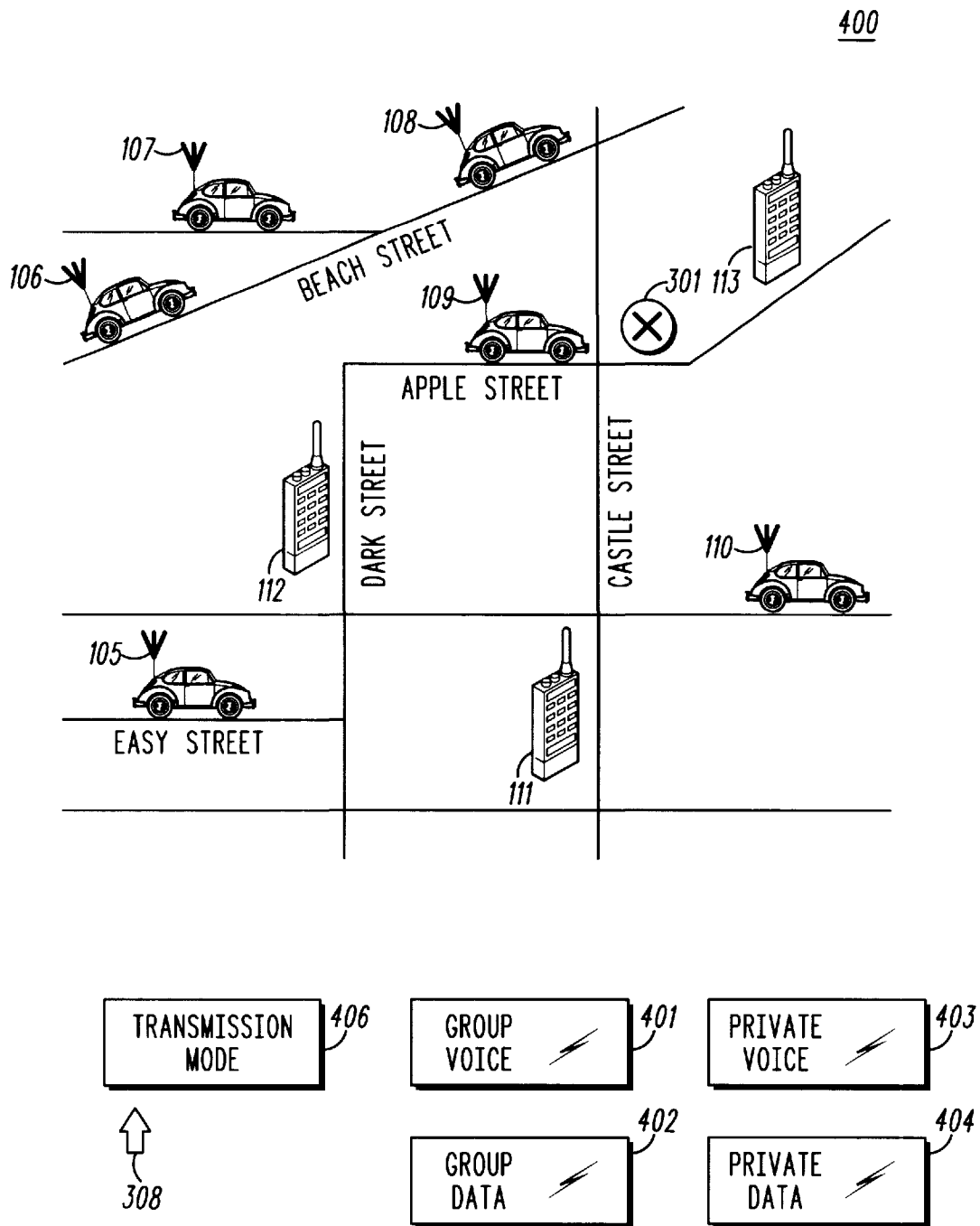


FIG. 4

# 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.