

**Patent Number:** 

US006006077A

6,006,077

# United States Patent [19]

# Shull [45] Date of Patent: Dec. 21, 1999

[11]

## [54] RECEIVED SIGNAL STRENGTH DETERMINATION METHODS AND SYSTEMS

- [75] Inventor: Eric A. Shull, Raleigh, N.C.
- [73] Assignee: Ericsson Inc., Research Triangle Park, N.C.
- [21] Appl. No.: 08/942,645
- [22] Filed: Oct. 2, 1997

## [56] References Cited

#### U.S. PATENT DOCUMENTS

10/1984	Daniel, Jr
3/1986	Highton 455/226.2
4/1986	Richards, Jr 455/226.4
10/1986	Thro
2/1995	Enoki et al 455/553
4/1995	Hofverberg 455/226.2
12/1997	Tomoe et al 455/226.2
2/1999	Brehmer et al 455/226.2
	3/1986 4/1986 10/1986 2/1995 4/1995 12/1997

#### FOREIGN PATENT DOCUMENTS

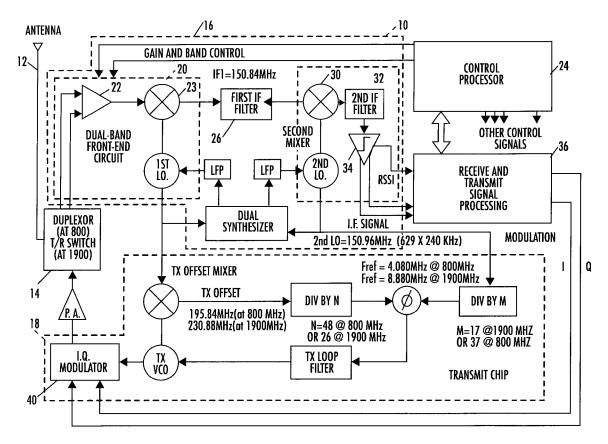
505072-A2	9/1992	European Pat. Off 455/226.2
0 601 987	6/1994	European Pat. Off
639901-A2	2/1995	European Pat. Off 455/226.2
0 755 133	1/1997	European Pat. Off
0785 640	7/1997	European Pat. Off
405063663	3/1993	Japan

Primary Examiner—Reinhard J. Eisenzopf Assistant Examiner—Eliseo Ramos-Feliciano Attorney, Agent, or Firm—Myers Bigel Sibley & Sajovec

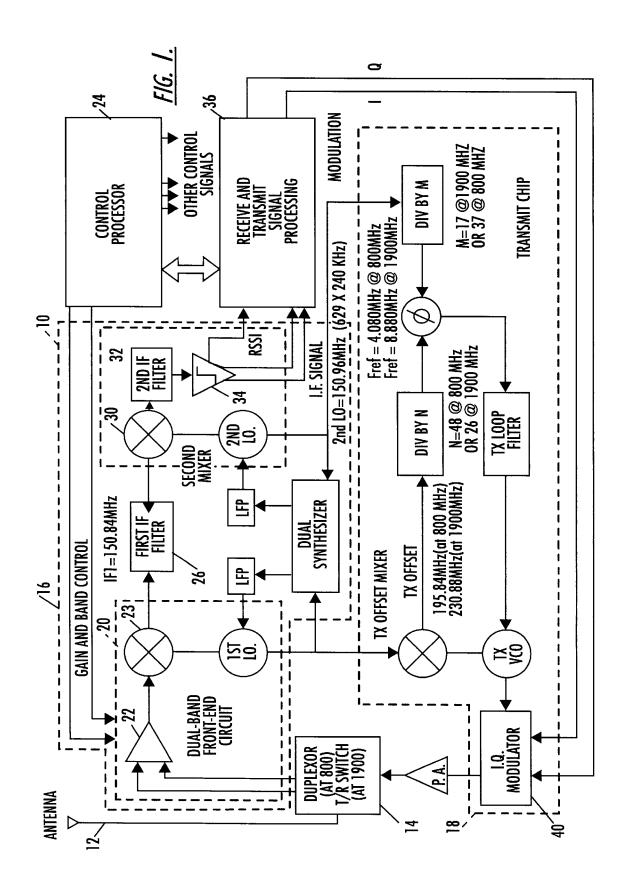
## [57] ABSTRACT

A signal strength for a received signal such as a radio signal transmitted over a communication network is determined. The signal strength measurement is compensated for nonlinear characteristics of the receiver. The compensation is provided by taking two signal strength readings with the receiver set at two different, known, gain levels. The difference between the expected change in the signal strength and the change actually measured by the receiver is used to generate a compensated signal strength measurement Atable of compensation factors is generated for each signal strength which is also utilized in generating the compensated signal strength measurement. The compensated signal strength measurement reading is transmitted to the communication network for use in mobile assisted handover.

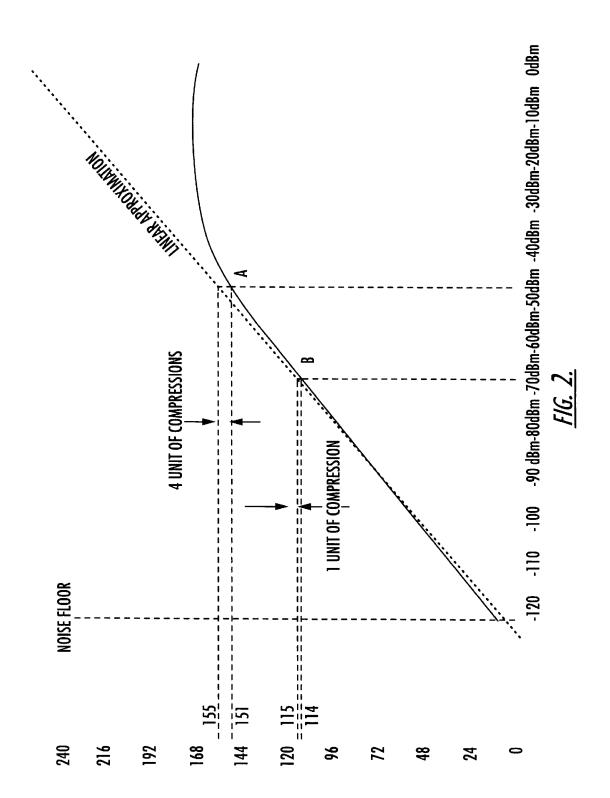
## 20 Claims, 4 Drawing Sheets











U.S. Patent

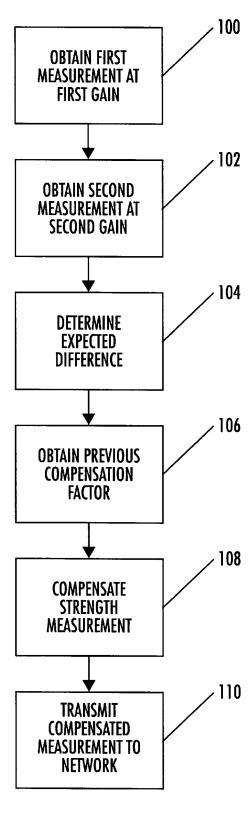
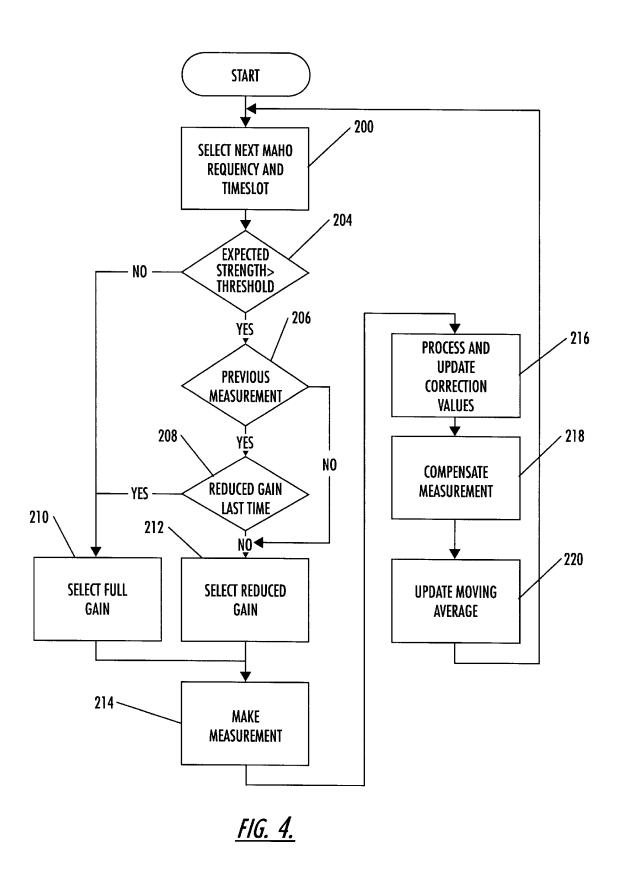


FIG. 3.







# DOCKET

# 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.

