



US005239306A

# United States Patent [19]

[11] Patent Number: **5,239,306**

Siwiak et al.

[45] Date of Patent: **Aug. 24, 1993**

[54] **DUAL MODE RECEIVER HAVING BATTERY SAVING CAPABILITY**

[75] Inventors: **Kazimierz Siwiak; Clifford D. Leitch**, both of Coral Springs; **Robert J. Schwendeman**, Pompano Beach, all of Fla.

[73] Assignee: **Motorola, Inc.**, Schaumburg, Ill.

[21] Appl. No.: **956,562**

[22] Filed: **Oct. 5, 1992**

### Related U.S. Application Data

[63] Continuation of Ser. No. 633,585, Dec. 24, 1990, abandoned.

[51] Int. Cl.<sup>5</sup> ..... **H04B 7/00**

[52] U.S. Cl. .... **340/825.44; 340/311.1; 340/825.48**

[58] Field of Search ..... **340/311.1, 825.44, 825.47, 340/825.48; 375/5; 455/38.1, 38.3, 142, 143, 343, 33.4**

### [56] References Cited

#### U.S. PATENT DOCUMENTS

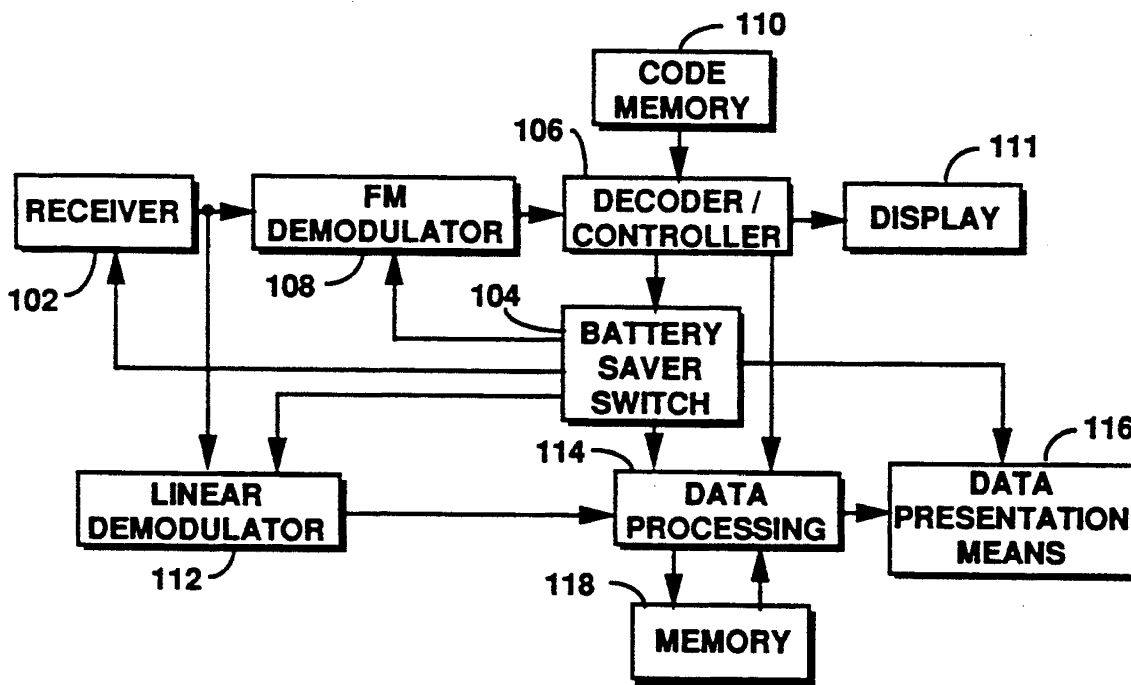
4,918,437 4/1990 Jasinski et al. .... 455/33.4  
5,054,052 10/1991 Nonami ..... 455/343

*Primary Examiner*—Donald J. Yusko  
*Assistant Examiner*—Dervis Magistre  
*Attorney, Agent, or Firm*—Philip P. Macnak; William E. Koch; Thomas G. Berry

### [57] ABSTRACT

A dual mode communication receiver a receiver for receiving information transmitted in a first and second modulation format on a common channel, a first demodulator for detecting information transmitted in the first modulation format, and a second demodulator, responsive to the information detected in the first modulation format, for detecting information transmitted in the second modulation format. A power conservation circuit is also provided for selectively supplying power to the first and second demodulators for enabling the detecting of the information transmitted in the first modulation format and the second modulation format, respectively.

**35 Claims, 7 Drawing Sheets**



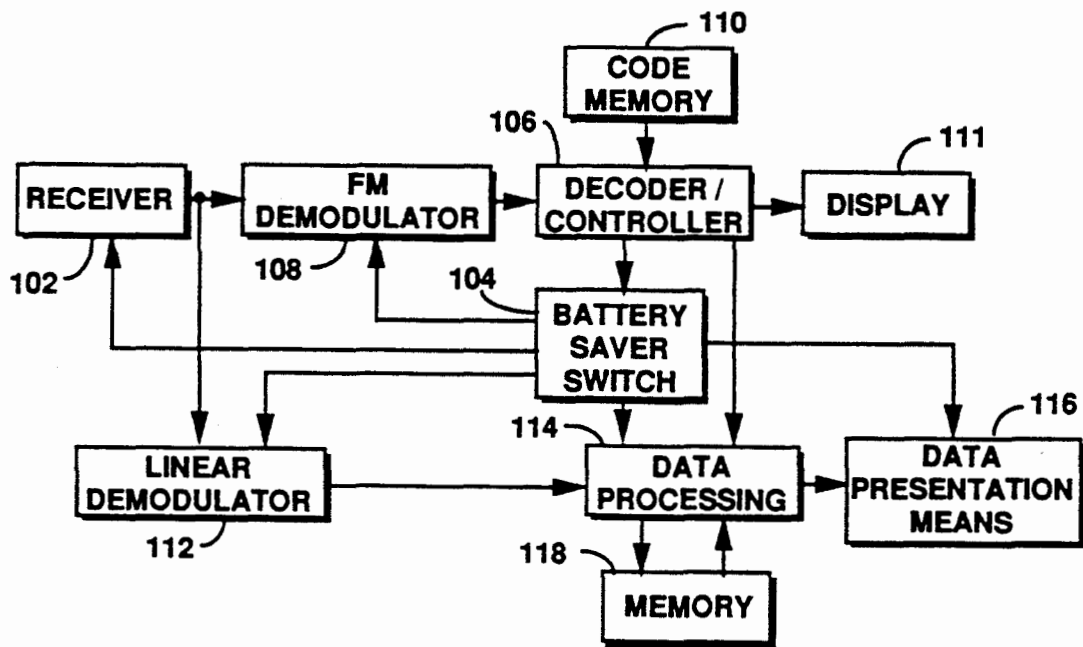
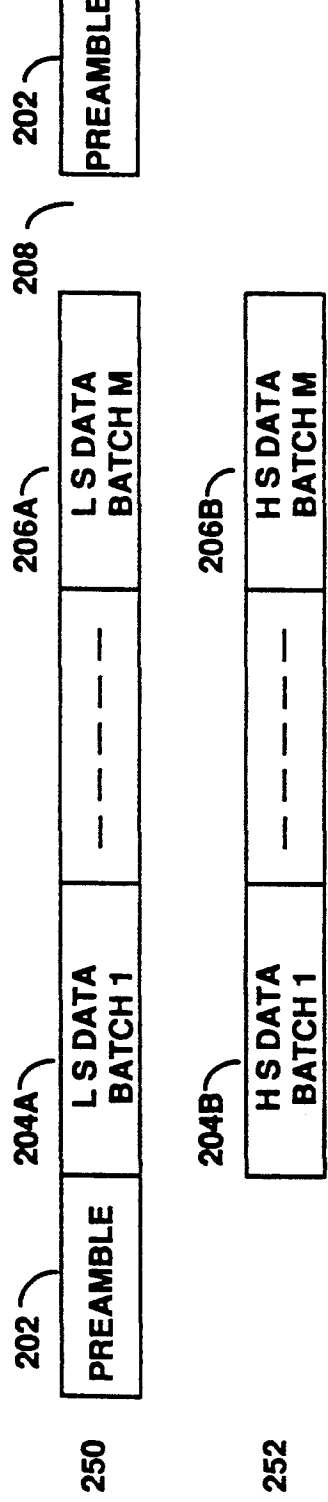


FIG. 1





**FIG. 2D**

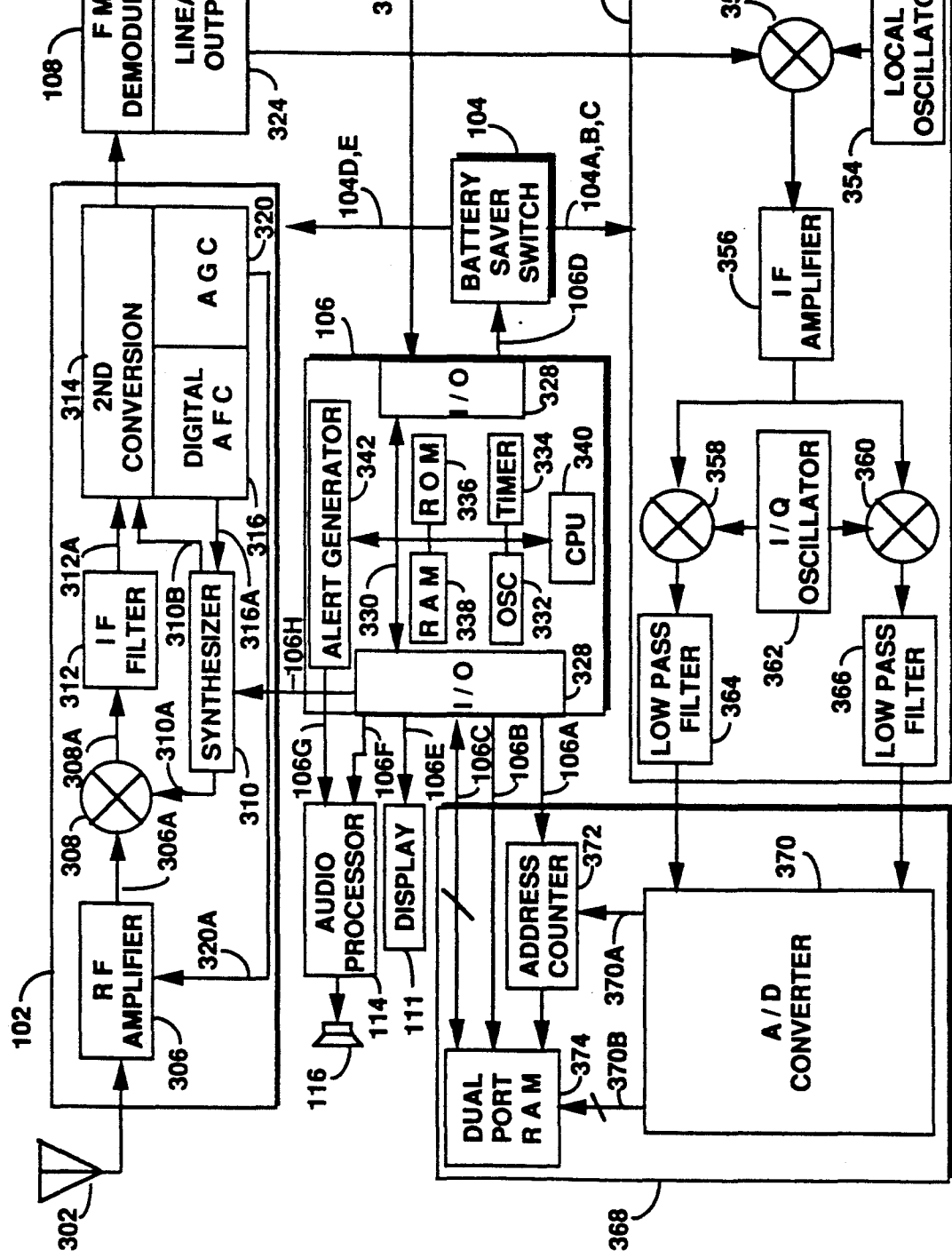


FIG. 3

# 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.