



United States Patent [19]

[11] Patent Number: **5,579,537**

Takahisa

[45] Date of Patent: ***Nov. 26, 1996**

- [54] **BROADCAST SYSTEM WITH ASSOCIATED DATA CAPABILITIES**
- [75] Inventor: **Tsutumo Takahisa**, Santa Clara, Calif.
- [73] Assignee: **Digital D.J. Inc.**, San Jose, Calif.
- [*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,491,838.

4,392,246	7/1983	Niioka et al.	455/158
4,450,531	5/1984	Kenyon et al.	364/604
4,686,707	8/1987	Iwasaki et al.	455/200
4,706,121	11/1987	Young	455/186.1
4,829,588	5/1989	Welsh	372/92
4,843,562	6/1989	Kenyon et al.	364/487
4,879,751	11/1989	Franks et al.	381/119
4,887,308	12/1989	Dutton	455/156
5,063,610	11/1991	Alwadish	455/45
5,134,719	7/1992	Mankovitz	455/186.1
5,210,611	5/1993	Yee et al.	455/186.1
5,214,792	5/1993	Alwadish	455/186.1

- [21] Appl. No.: **425,993**
- [22] Filed: **Apr. 20, 1995**

Related U.S. Application Data

- [63] Continuation-in-part of Ser. No. 45,352, Apr. 8, 1993.
- [51] **Int. Cl.⁶** **H04B 7/00**
- [52] **U.S. Cl.** **455/66; 455/45**
- [58] **Field of Search** 455/3.1, 6.3, 45, 455/66, 68, 70, 154.1, 158.2, 158.4, 158.5, 185.1, 186.1, 186.2; 381/3, 4

References Cited

U.S. PATENT DOCUMENTS

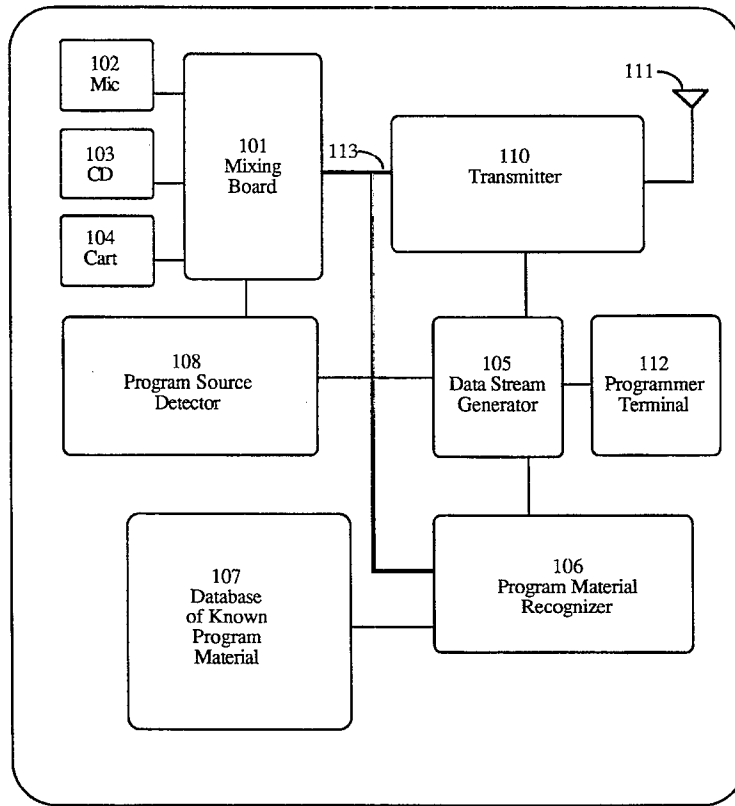
3,696,297	10/1972	Otero	455/45
3,761,888	9/1973	Flynn	340/172.5
4,379,947	4/1983	Warner	179/1 GD
4,380,027	4/1983	Leventer et al.	358/147

Primary Examiner—Reinhard J. Eisenzopf
Assistant Examiner—Marsha D. Banks-Harold
Attorney, Agent, or Firm—Stuart P. Meyer

[57] ABSTRACT

A broadcast system includes a device to compare program material to be transmitted with a database of known material and to transmit along with the program material data corresponding to that program material. A corresponding receiving system stores the data in memory and displays, at the selection of the user, the data corresponding to the program material. The user selectively stores the data on a magnetic recording card for electronic coupon or other uses. Various modes of operation are selectable by the user, and the data may be used as electronic coupons, or to control attached equipment, or to sound alarms, or for other applications.

22 Claims, 16 Drawing Sheets



100

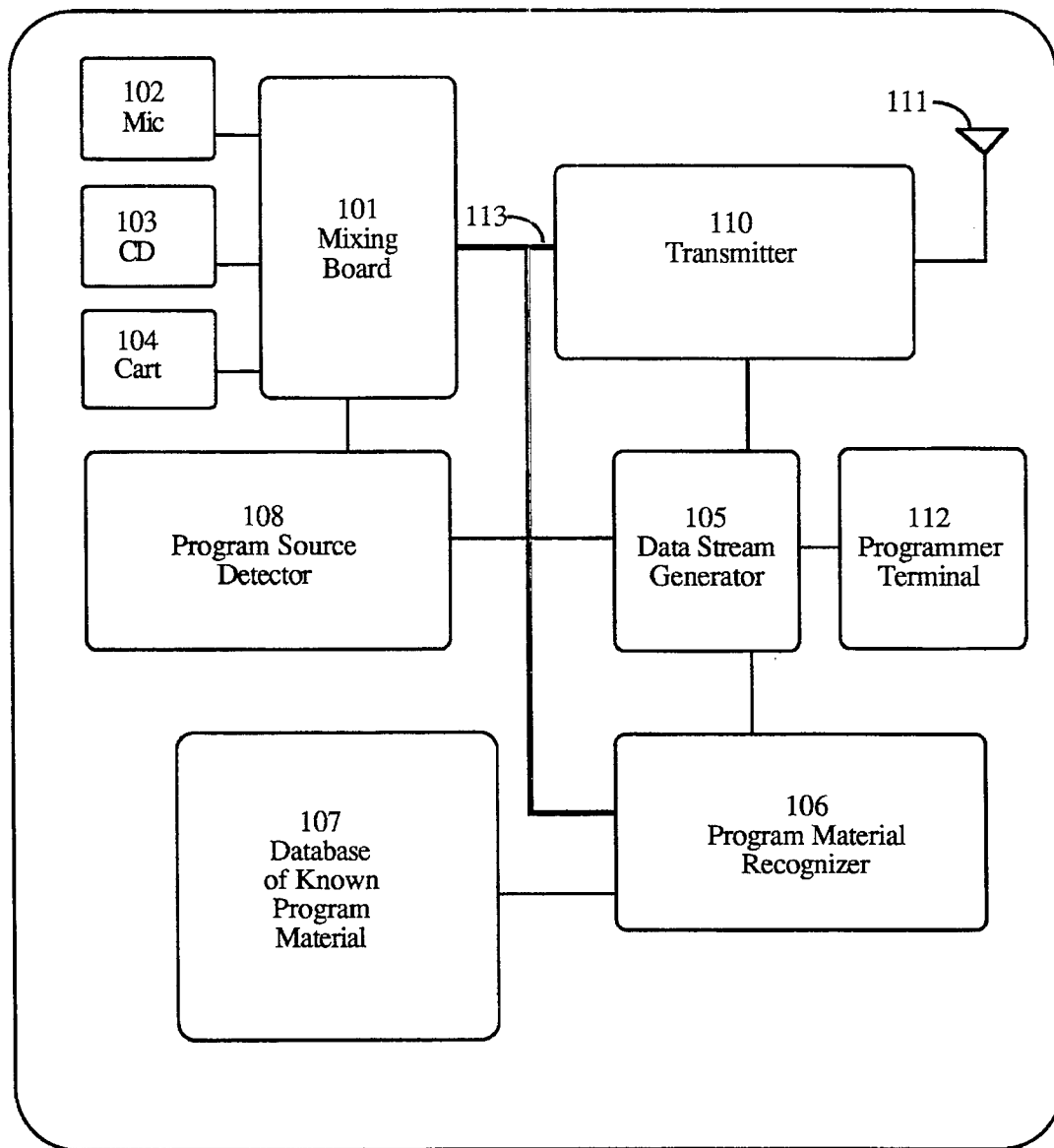


Figure 1

100

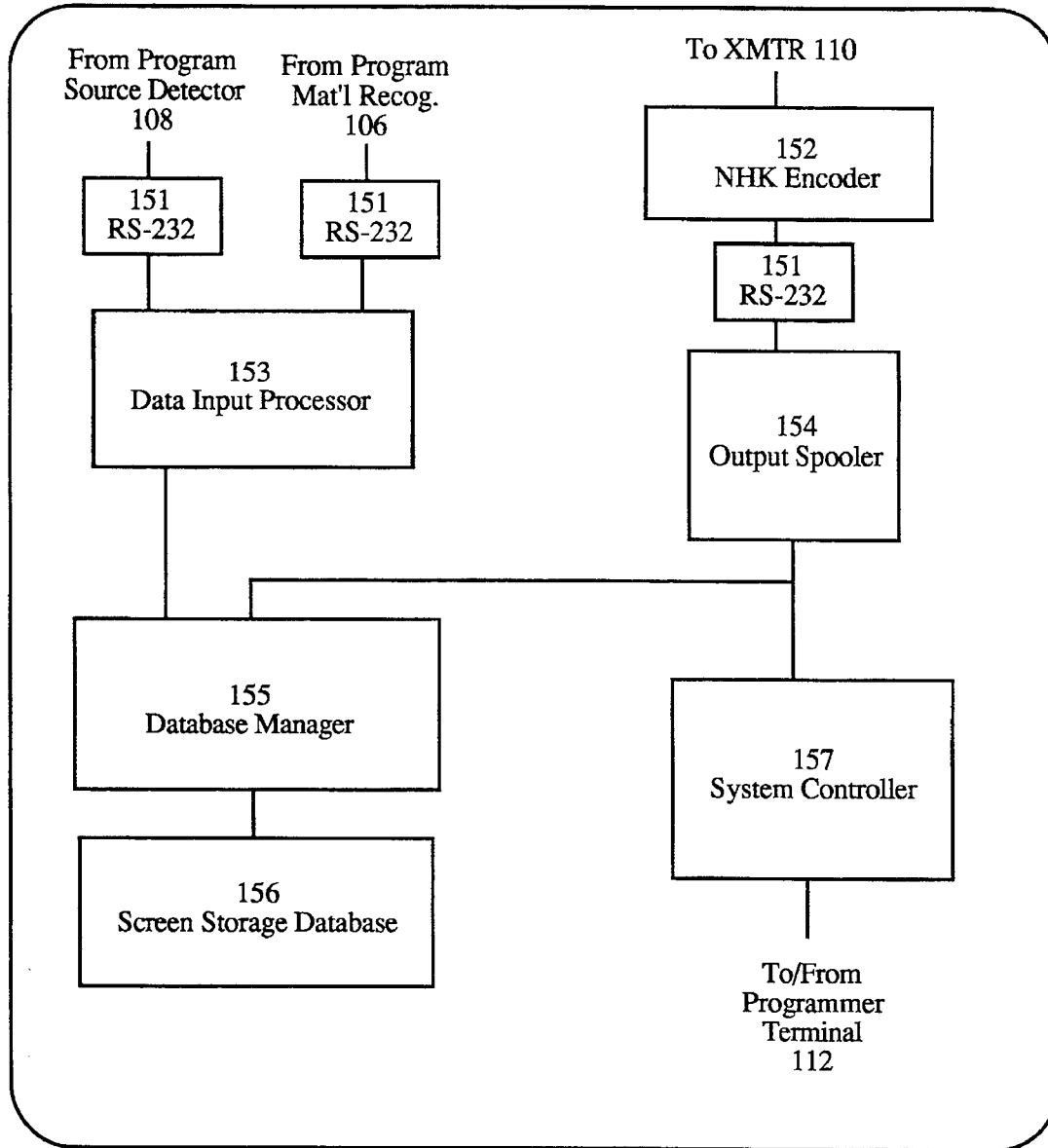


Figure 1a

105

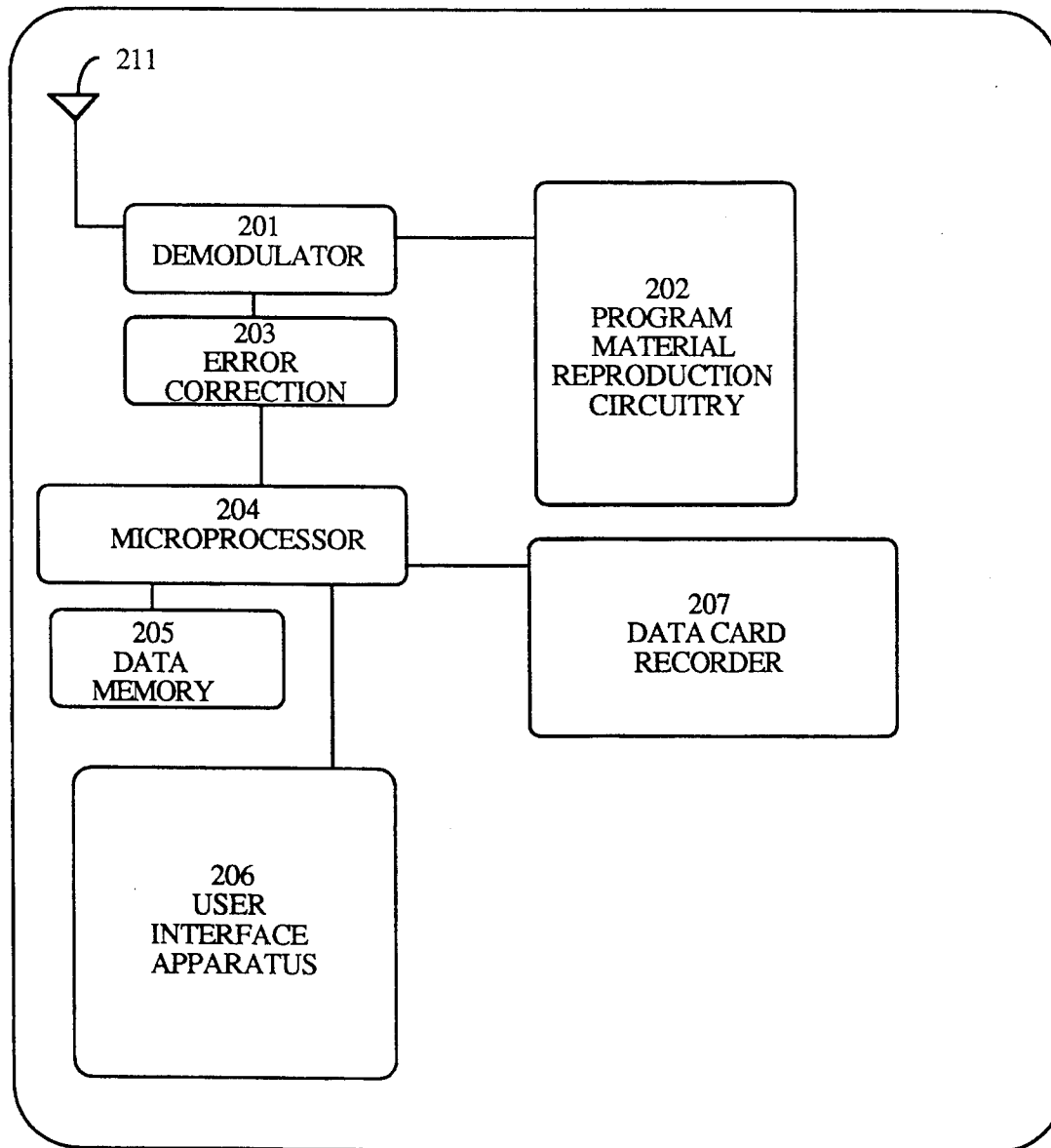


Figure 2

200

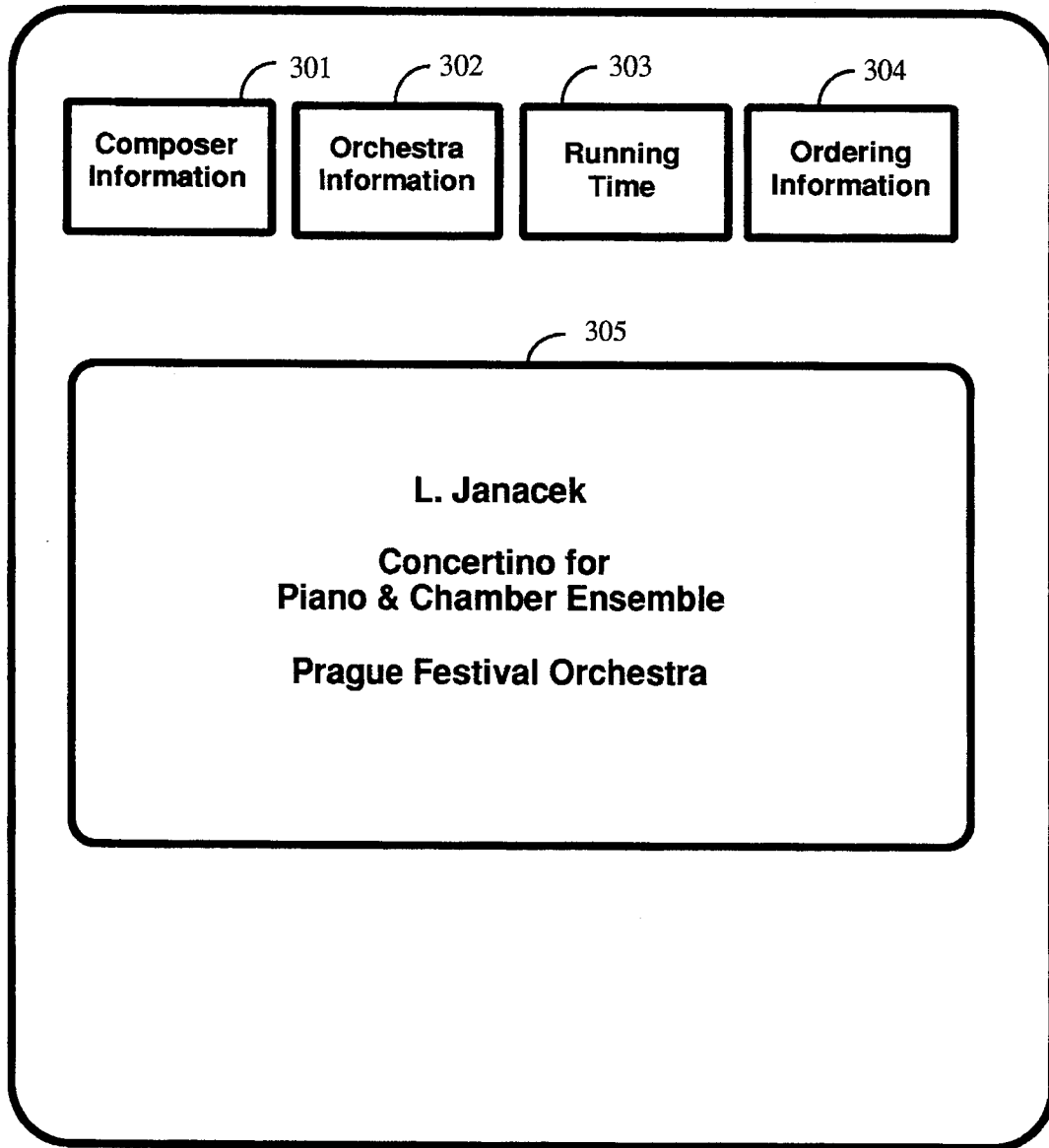


Figure 3

300

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.