



US005168493A

# United States Patent [19]

[11] Patent Number: **5,168,493**

Nelson et al.

[45] Date of Patent: **Dec. 1, 1992**

- [54] **TIME DIVISION MULTIPLEXED SELECTIVE CALL SYSTEM**
- [75] Inventors: **Leonard E. Nelson**, Boynton Beach; **Robert J. Schwendeman**, Pompano Beach; **Michael J. DeLuca**, Boca Raton; **David F. Willard**, Popano Beach; **Jerry L. A. Sandvos**, Davie, all of Fla.; **William V. Braun**, Elmhurst, Ill.
- [73] Assignee: **Motorola, Inc.**, Schaumburg, Ill.
- [21] Appl. No.: **793,230**
- [22] Filed: **Nov. 8, 1991**

4,642,632	2/1987	Ohyagi et al.	455/38
4,649,538	3/1987	DeLuca et al.	371/24
4,745,408	5/1988	Nagata et al.	455/343
4,755,816	7/1988	DeLuca	340/825.44
4,816,820	3/1989	Davis	340/825.44
4,882,726	11/1989	Lang et al.	370/84
4,918,437	4/1990	Jasinski et al.	340/825.44
4,949,339	8/1990	Shimada et al.	370/112
4,953,180	8/1990	Fieschi et al.	370/84
5,001,471	3/1991	Snowden et al.	455/343

### FOREIGN PATENT DOCUMENTS

0264205A2	4/1988	European Pat. Off.	
8601357	2/1986	World Int. Prop. O.	370/84

Primary Examiner—Douglas W. Olms  
 Assistant Examiner—Alpus H. Hsu  
 Attorney, Agent, or Firm—Daniel R. Collopy; William E. Koch; Thomas G. Berry

### [57] ABSTRACT

A signalling protocol comprising a plurality of interleaved phases is transmitted at various baud rates, the various baud rates being multiples of a base baud rate. The signalling protocol allows a selective call receiver to decode at an operating baud rate equivalent to the base baud rate irrespective of the transmission baud rate by decoding only a portion of the transmitted signal, the portion decoded determined by the baud rate and the address of the selective call receiver.

### Related U.S. Application Data

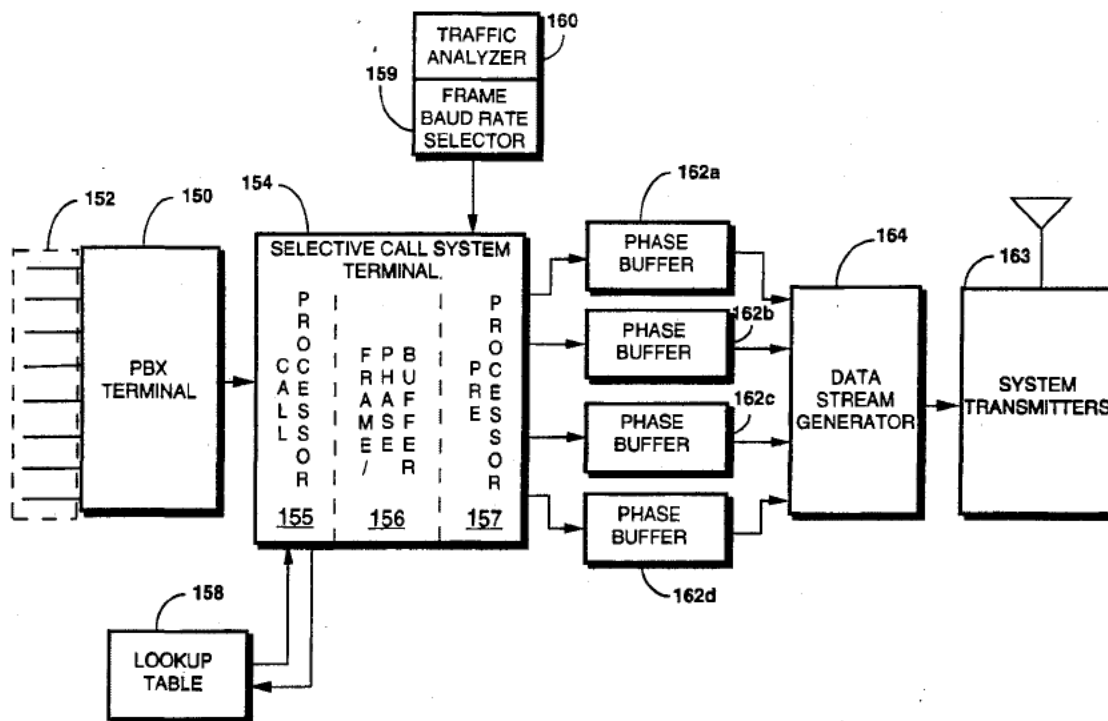
- [63] Continuation of Ser. No. 459,485, Jan. 2, 1990, abandoned.
- [51] Int. Cl.<sup>5</sup> ..... **H04Q 7/00; H04J 3/22**
- [52] U.S. Cl. .... **370/84; 370/112; 340/825.44; 455/38.1**
- [58] Field of Search ..... **370/79, 80, 81, 84, 370/95.1, 95.3, 104.1, 112, 118; 340/825.44, 825.47, 825, 48, 825, 52; 455/38, 343**

### References Cited

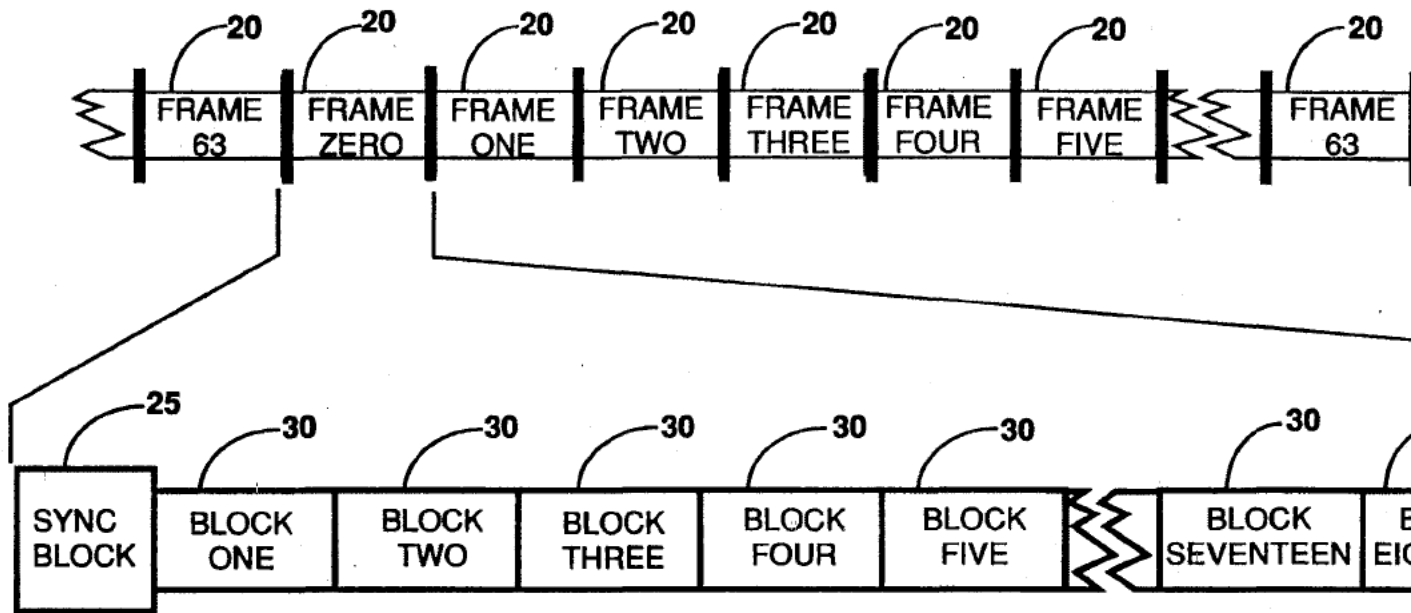
#### U.S. PATENT DOCUMENTS

4,506,262	3/1985	Vance et al.	340/825.44
4,518,961	5/1985	Davis et al.	340/825.44

22 Claims, 23 Drawing Sheets



Rembrandt Wireless



**FIG. 1A**

Re

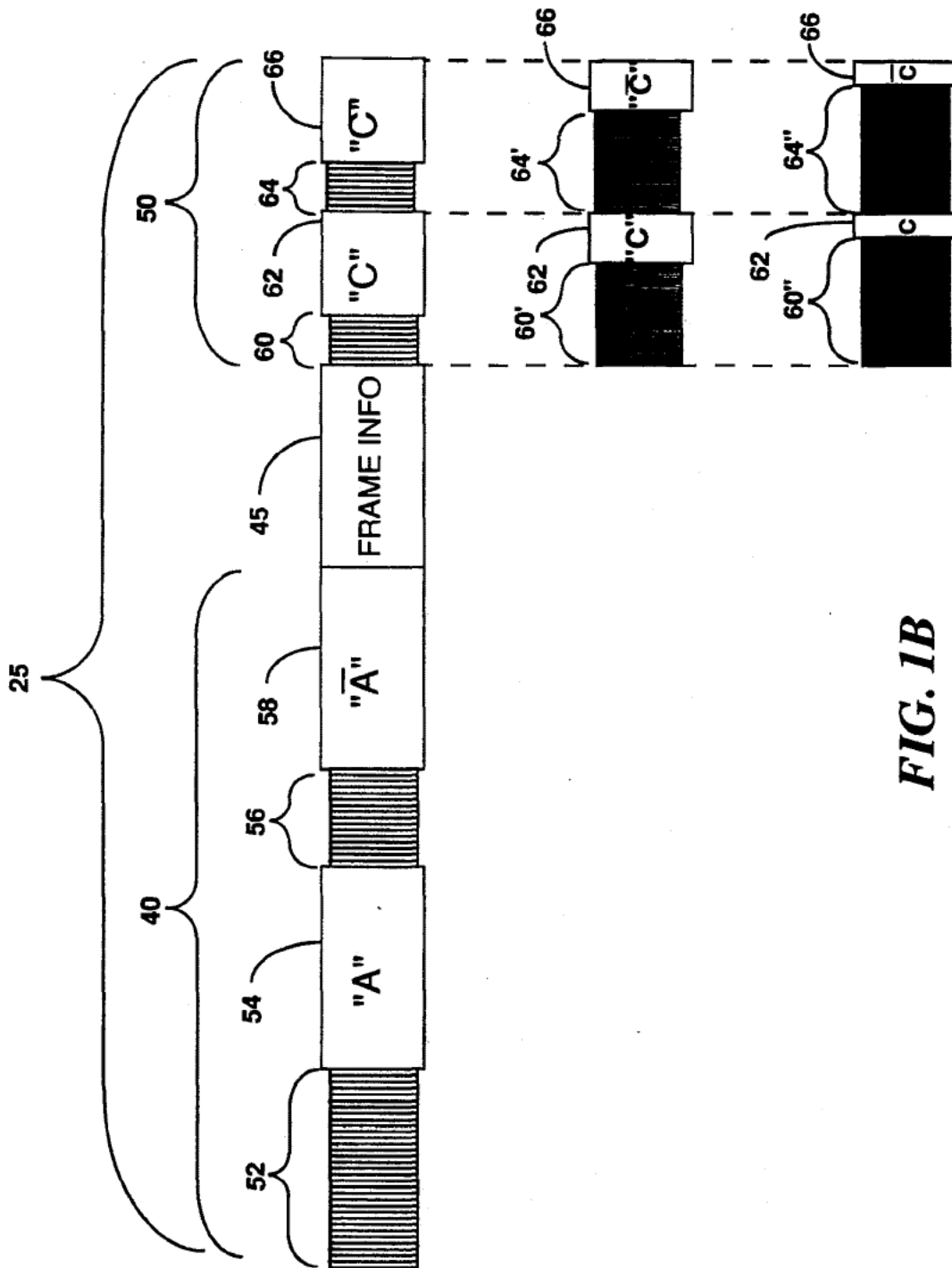


FIG. 1B

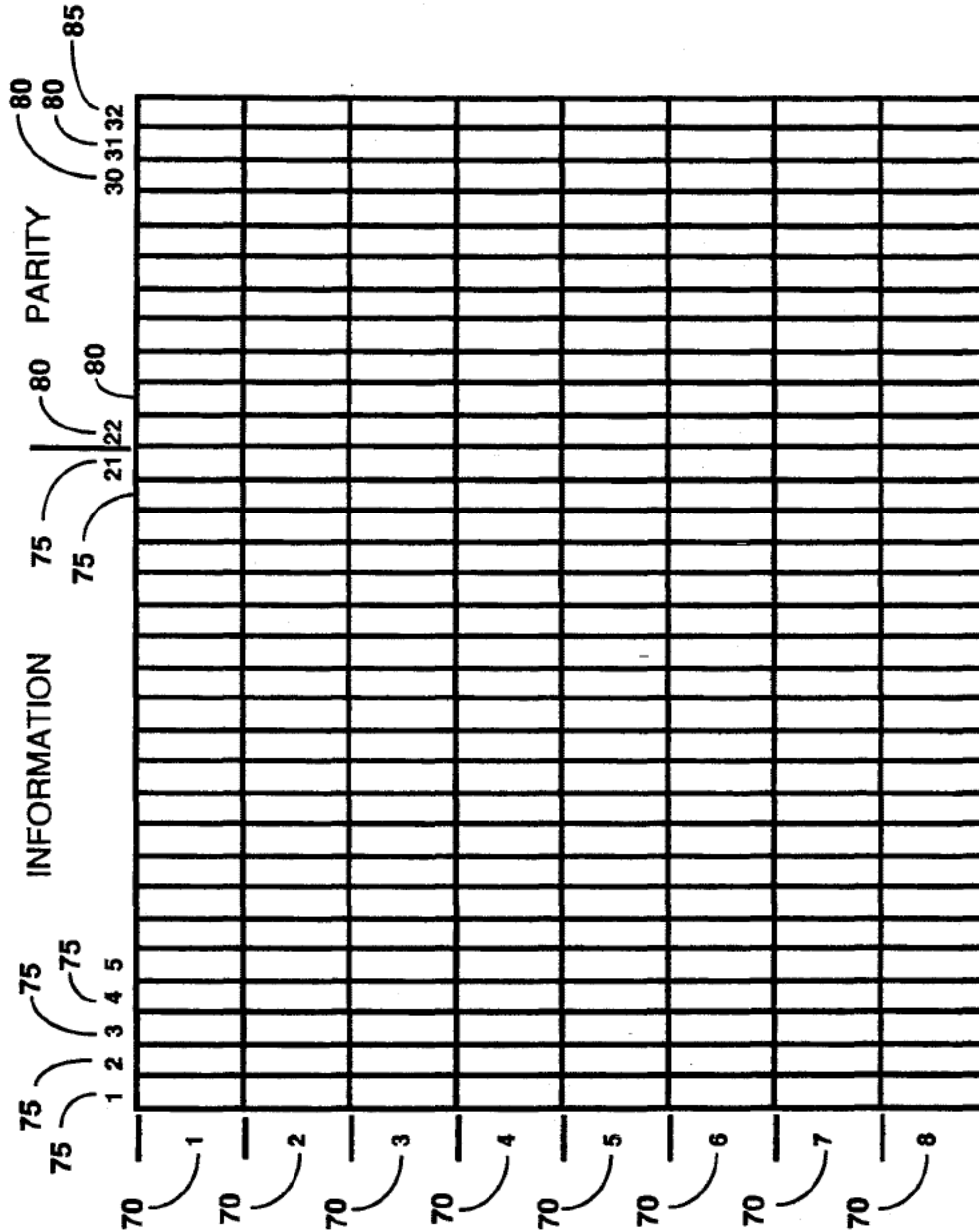


FIG. 1C

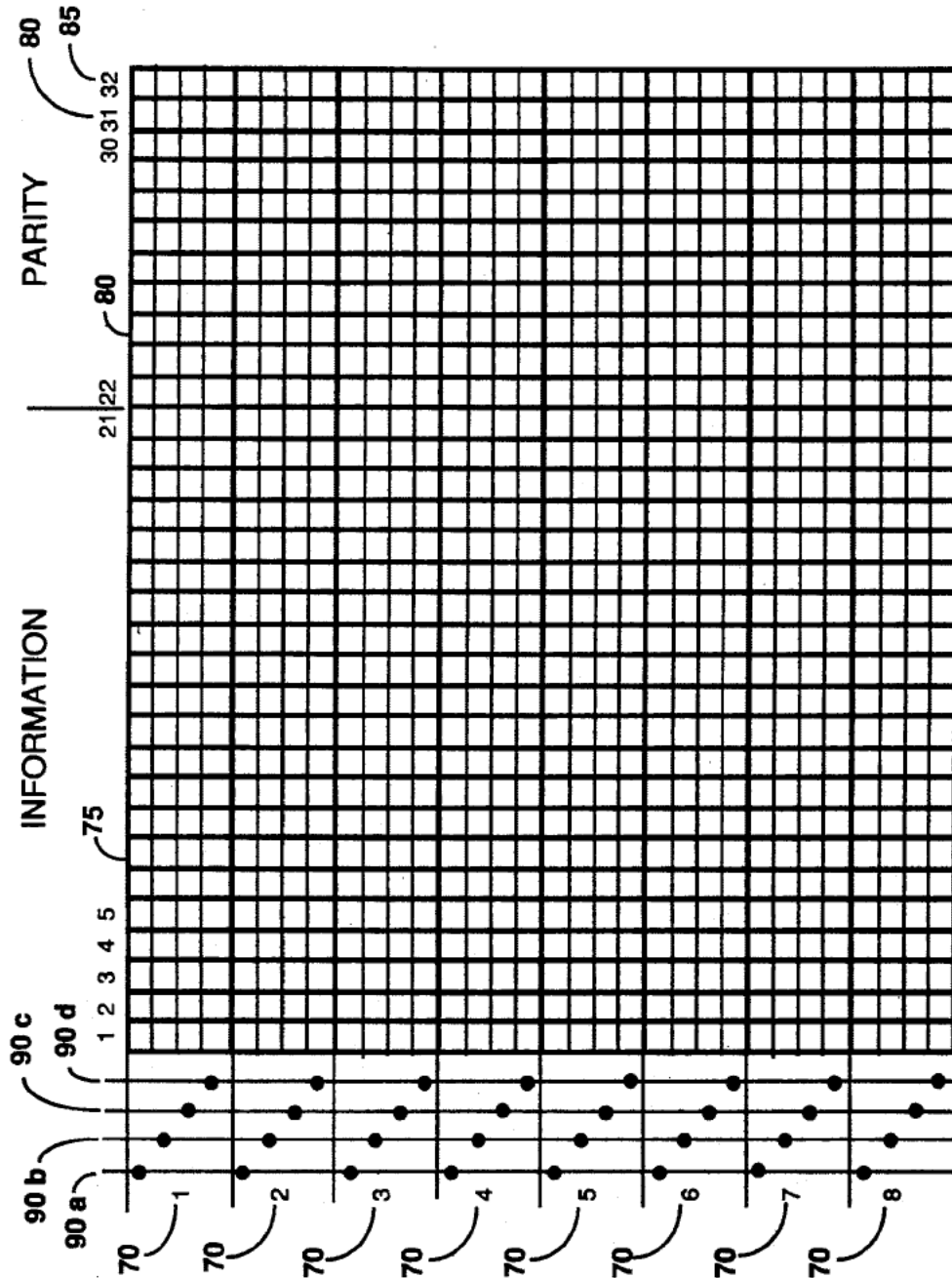


FIG. 2

# 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.