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United States Patent [19]

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Nelson et al.

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- [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

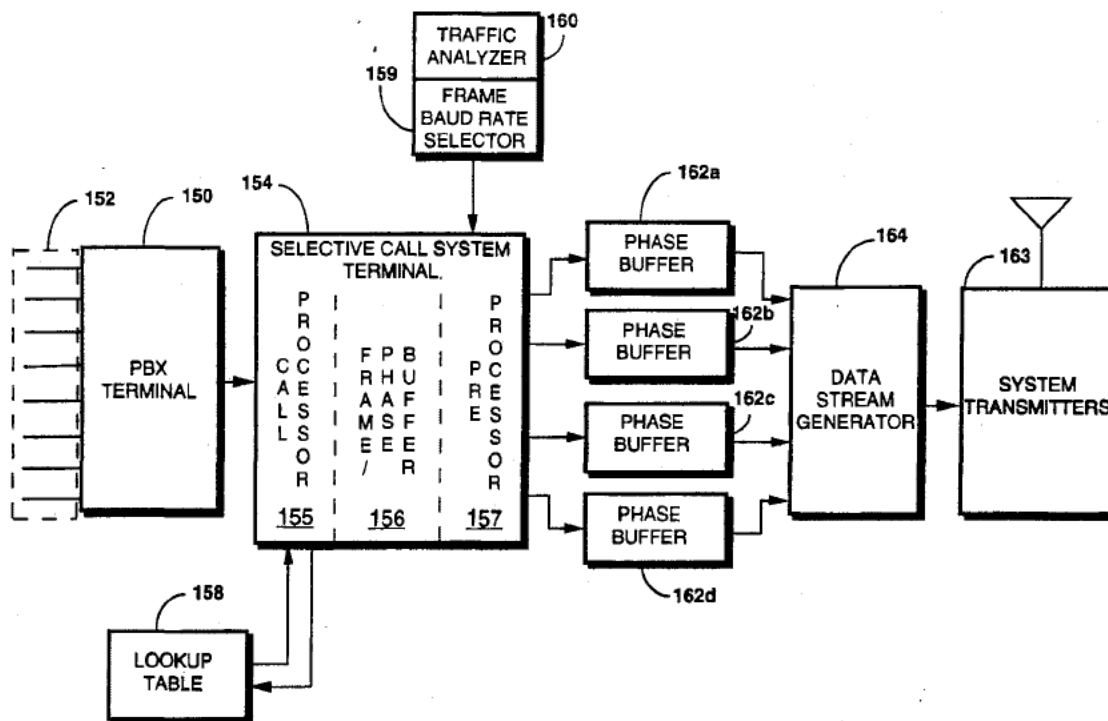
- [63] Continuation of Ser. No. 459,485, Jan. 2, 1990, abandoned.
- [51] Int. Cl.⁵ **H04Q 7/00; H04J 3/22**
- [52] U.S. Cl. **370/84; 370/112; 340/825.44; 455/38.1**
- [58] Field of Search **370/79, 80, 81, 84, 370/95.1, 95.3, 104.1, 112, 118; 340/825.44, 825.47, 825, 48, 825, 52; 455/38, 343**

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



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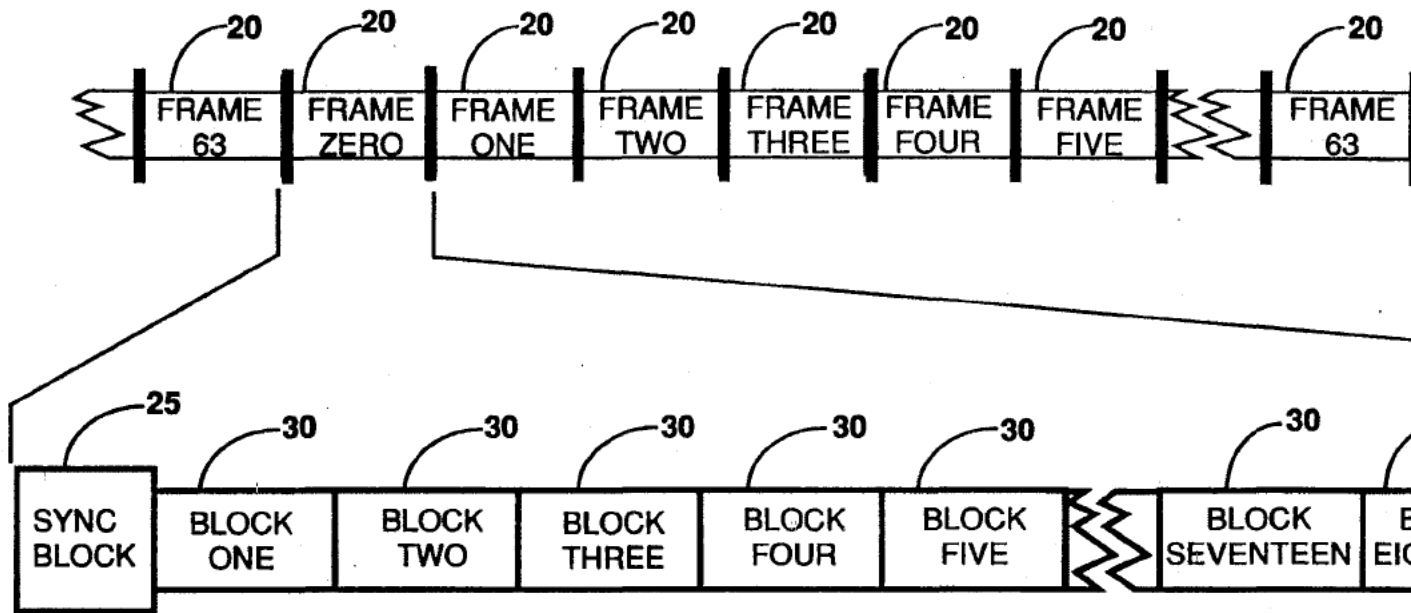


FIG. 1A

Re

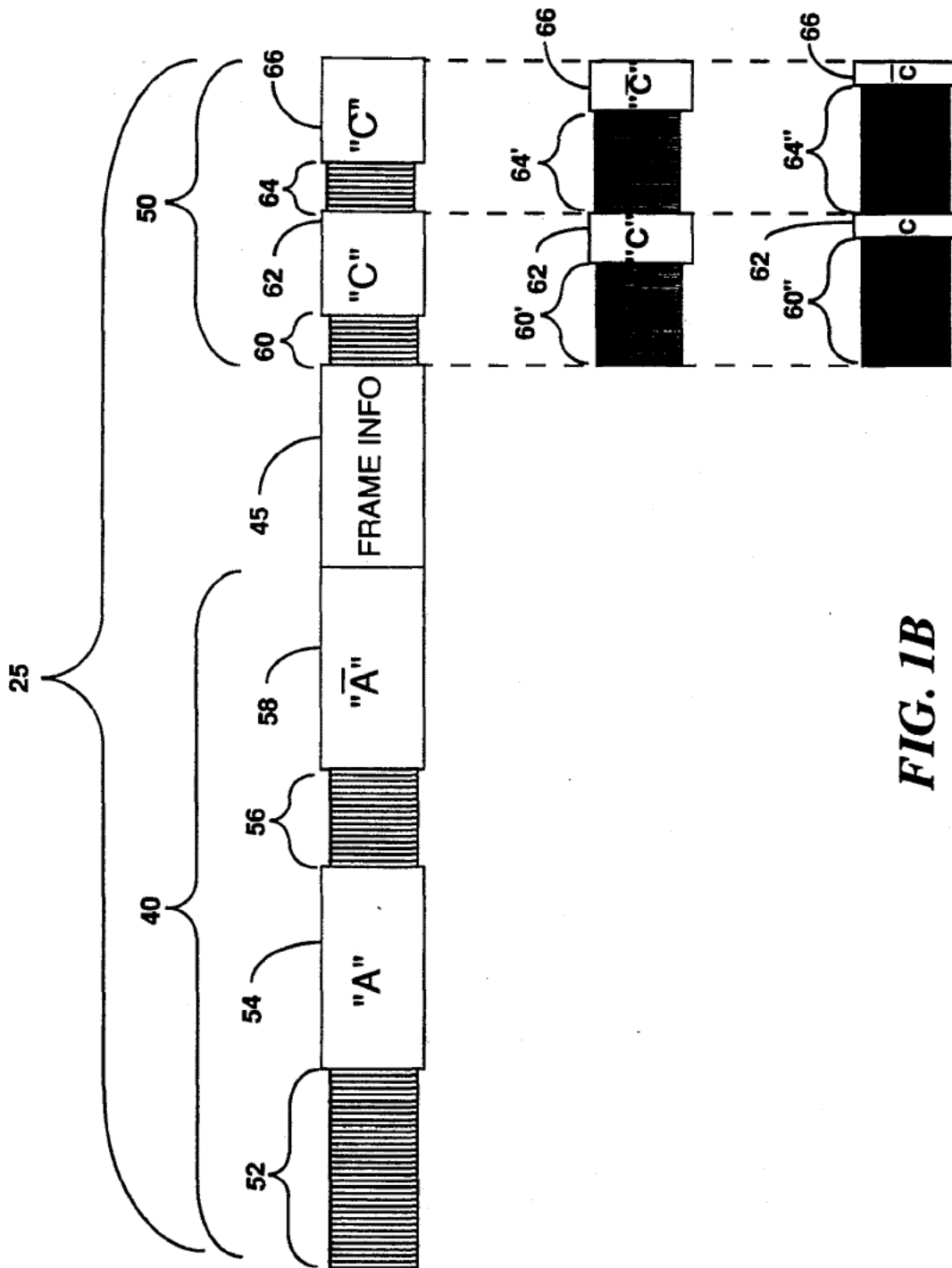


FIG. 1B

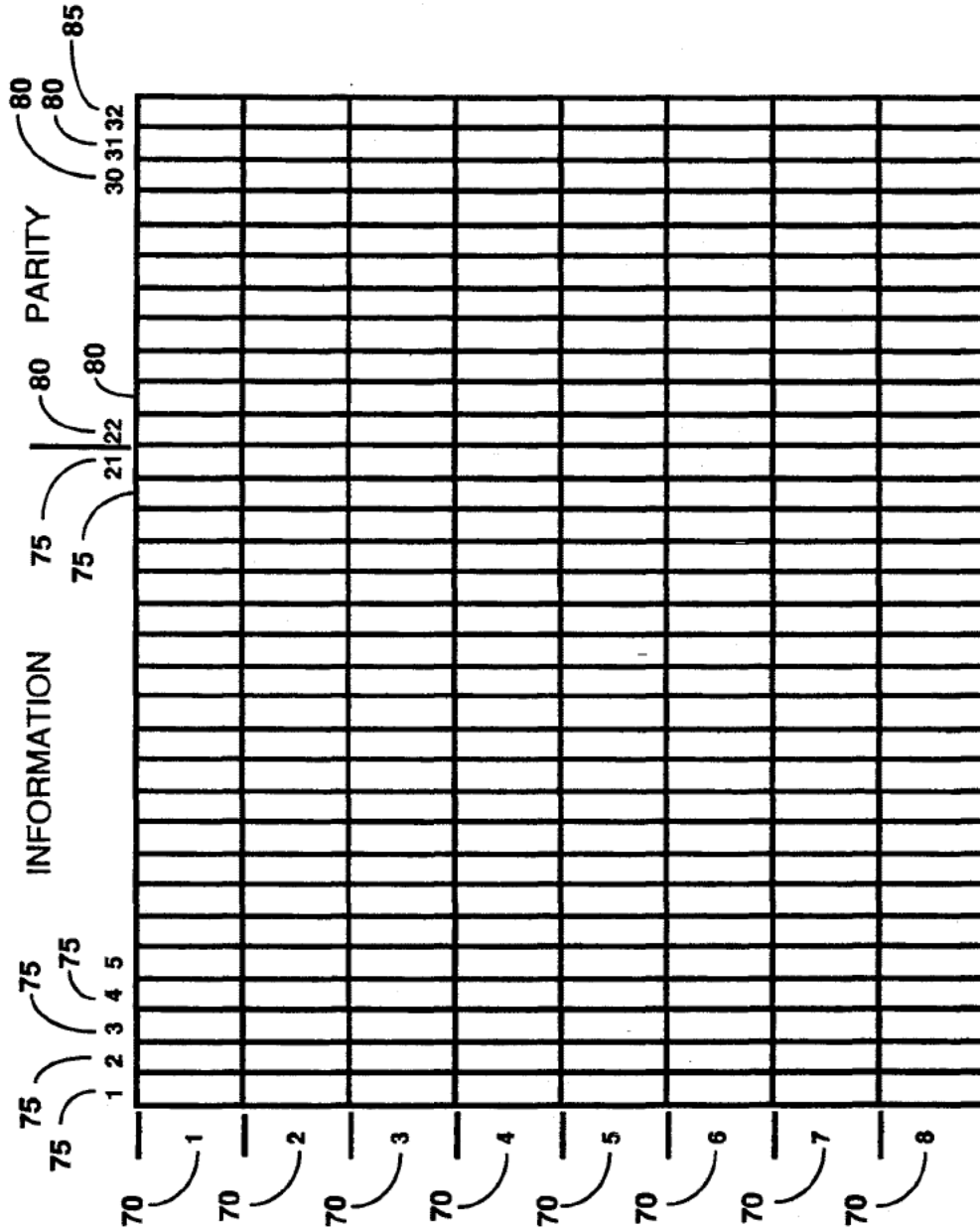


FIG. 1C

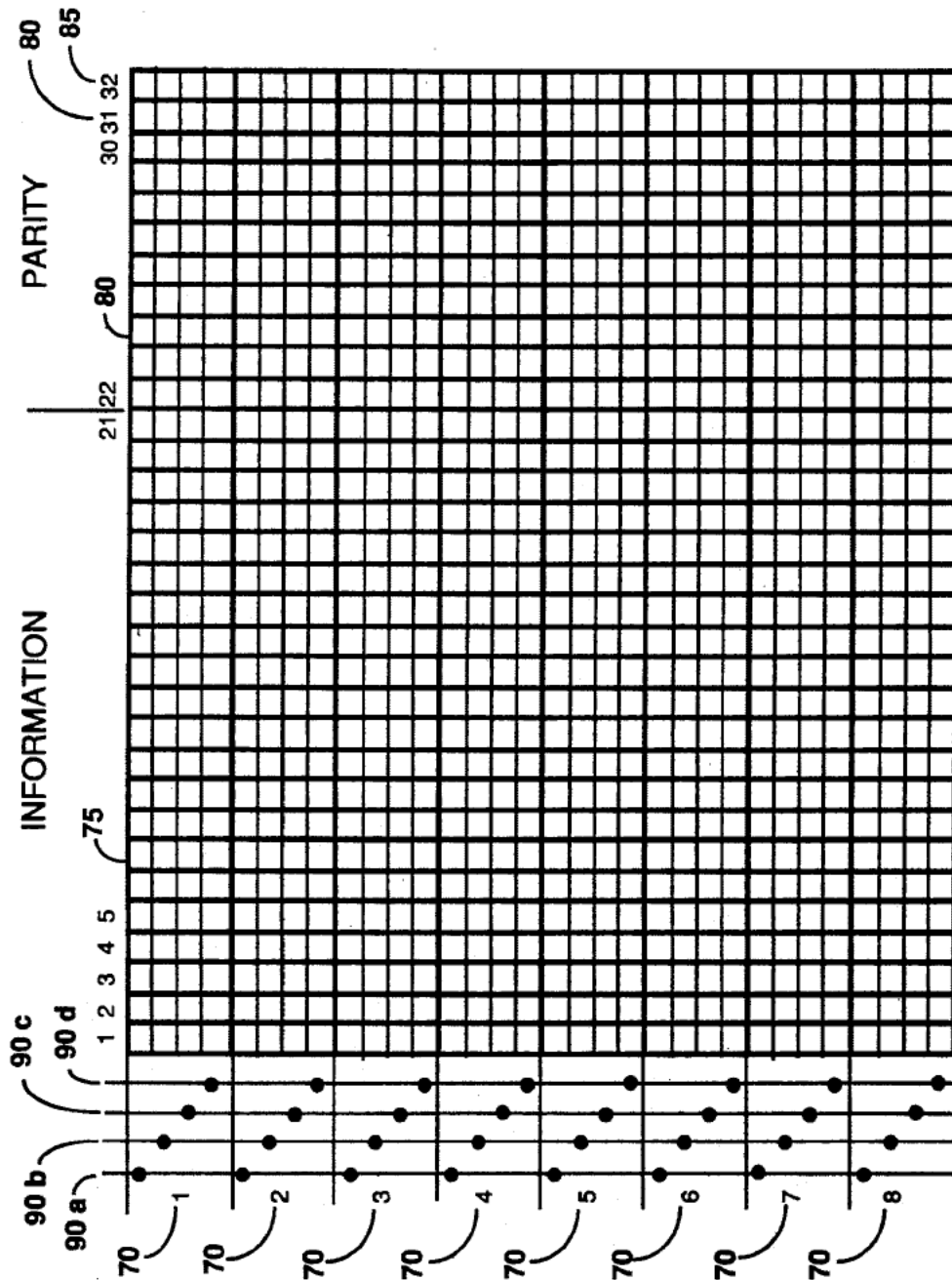


FIG. 2

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