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United States Patent [19]

Nelson et al.

[11] **Patent Number:** **5,168,493**[45] **Date of Patent:** **Dec. 1, 1992**[54] **TIME DIVISION MULTIPLEXED
SELECTIVE CALL SYSTEM**

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[73] **Assignee:** Motorola, Inc., Schaumburg, Ill.[21] **Appl. No.:** 793,230[22] **Filed:** Nov. 8, 1991**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[56] **References Cited****U.S. PATENT DOCUMENTS**

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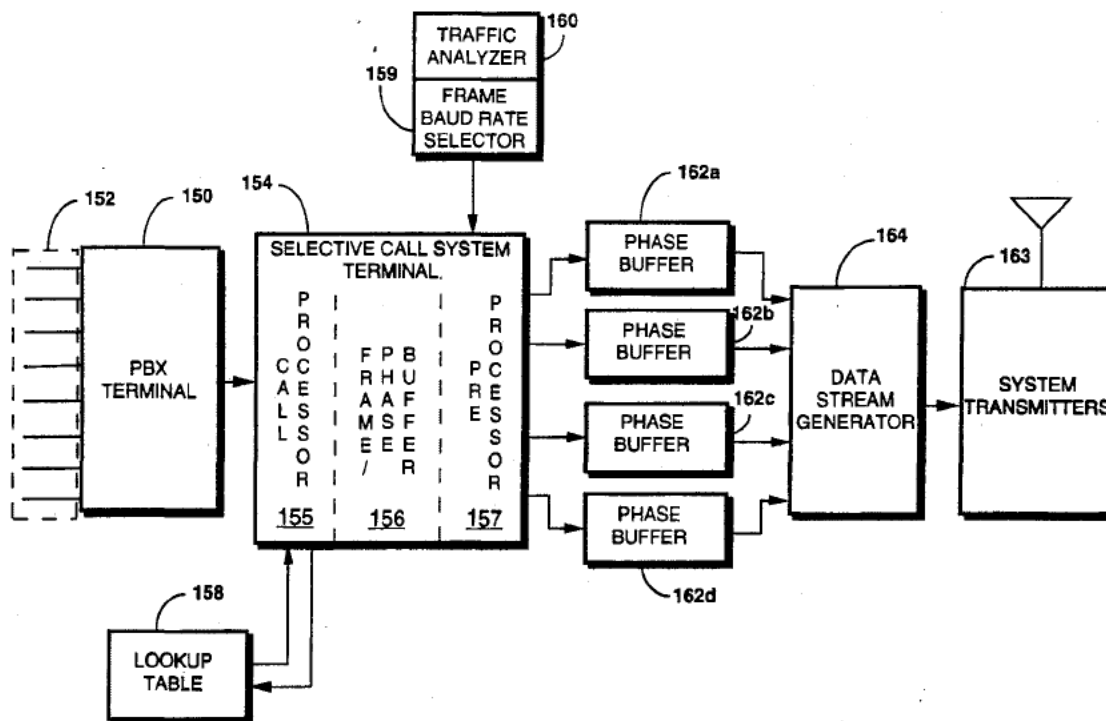
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Primary Examiner—Douglas W. Olms*Assistant Examiner*—Alpus H. Hsu*Attorney, Agent, or Firm*—Daniel R. Collopy; William
E. Koch; Thomas G. Berry[57] **ABSTRACT**

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.

22 Claims, 23 Drawing Sheets

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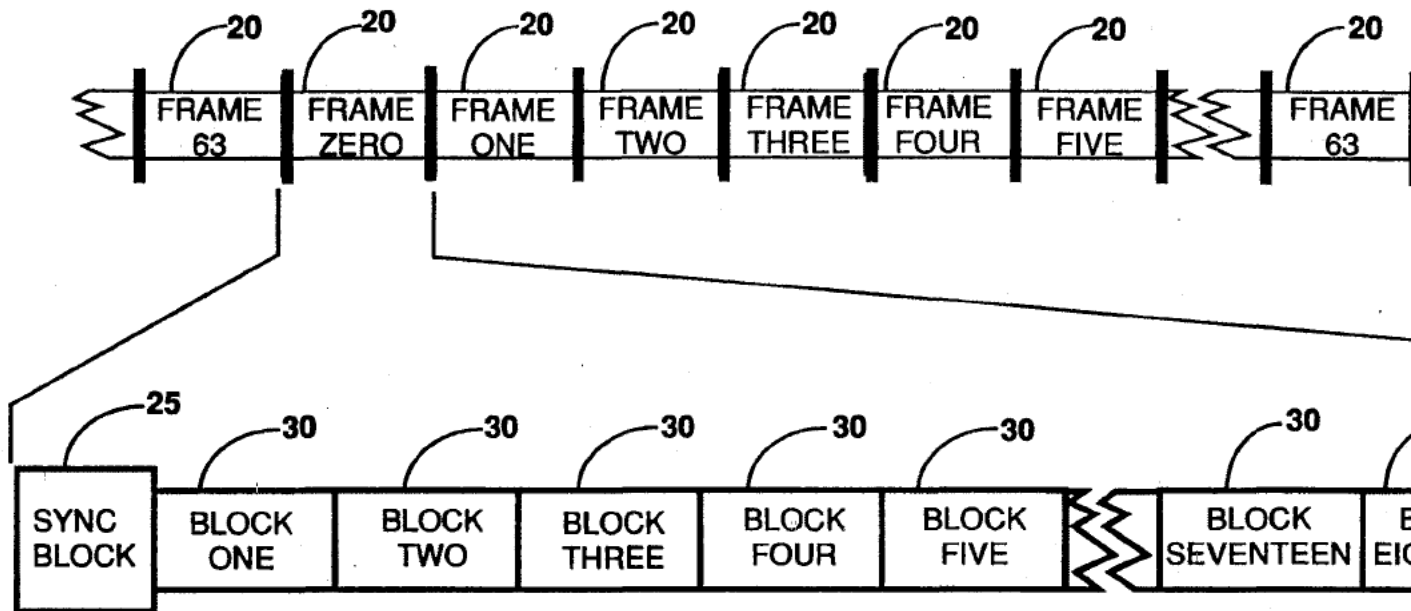
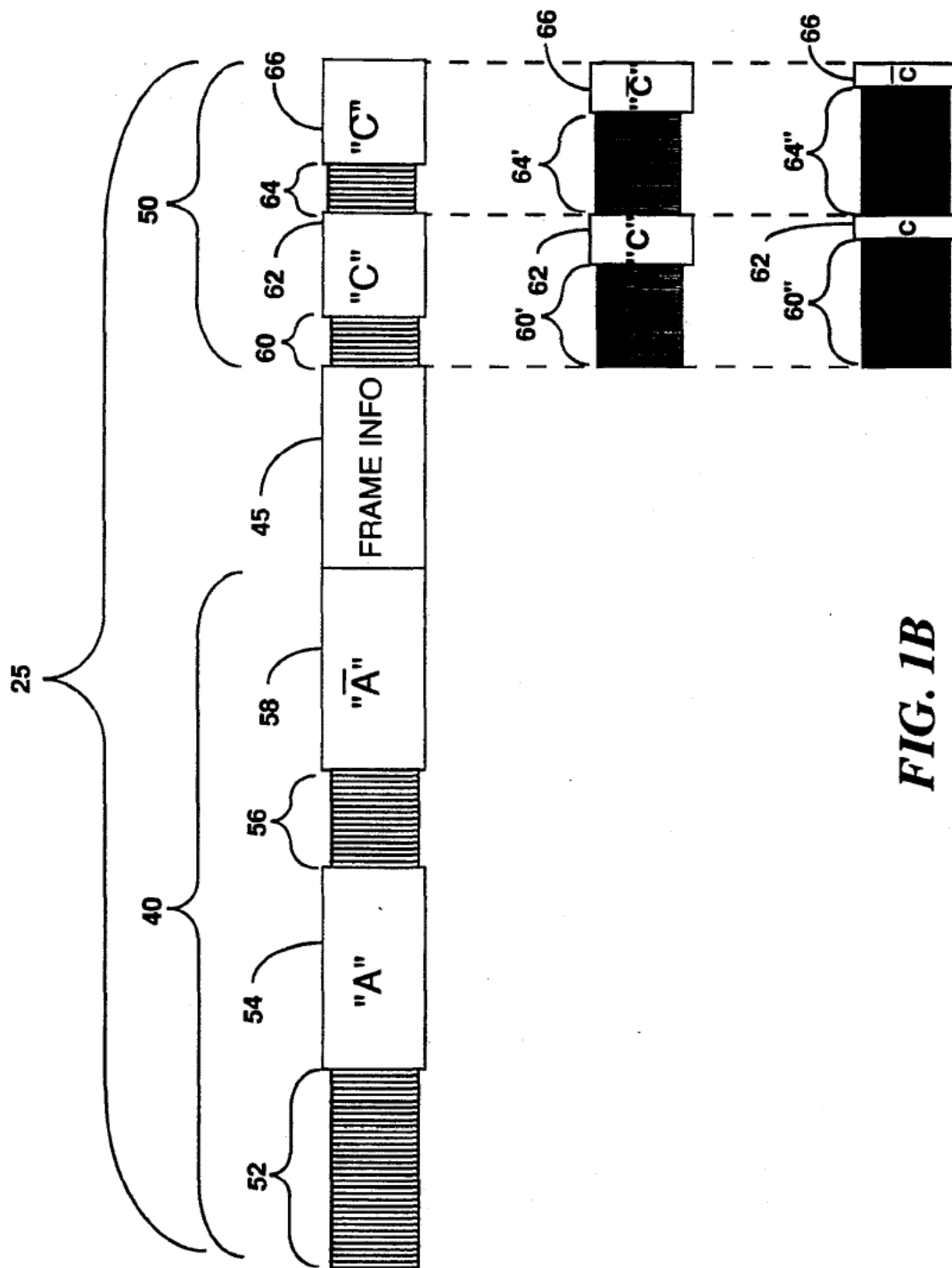
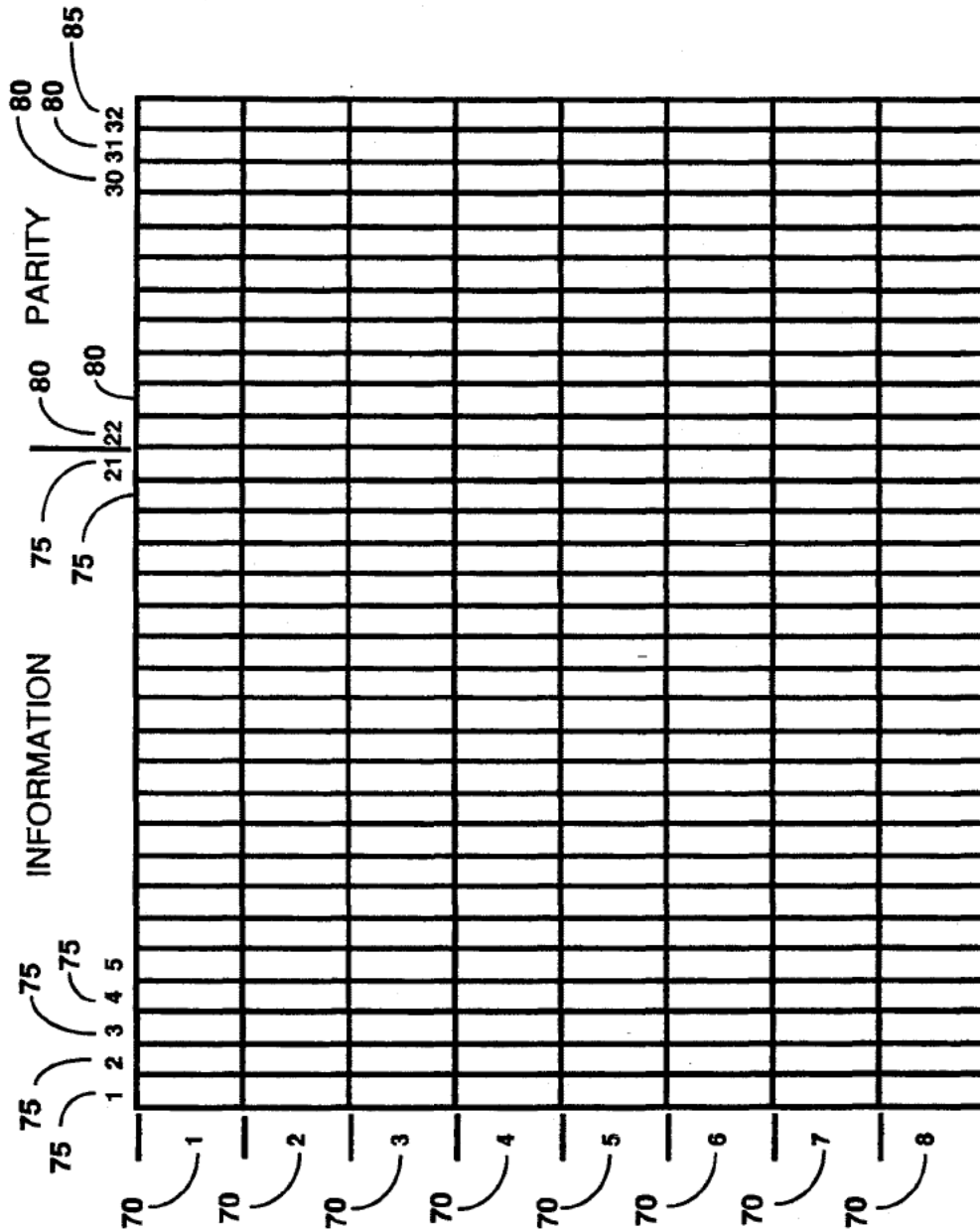


FIG. 1A

**FIG. 1B**

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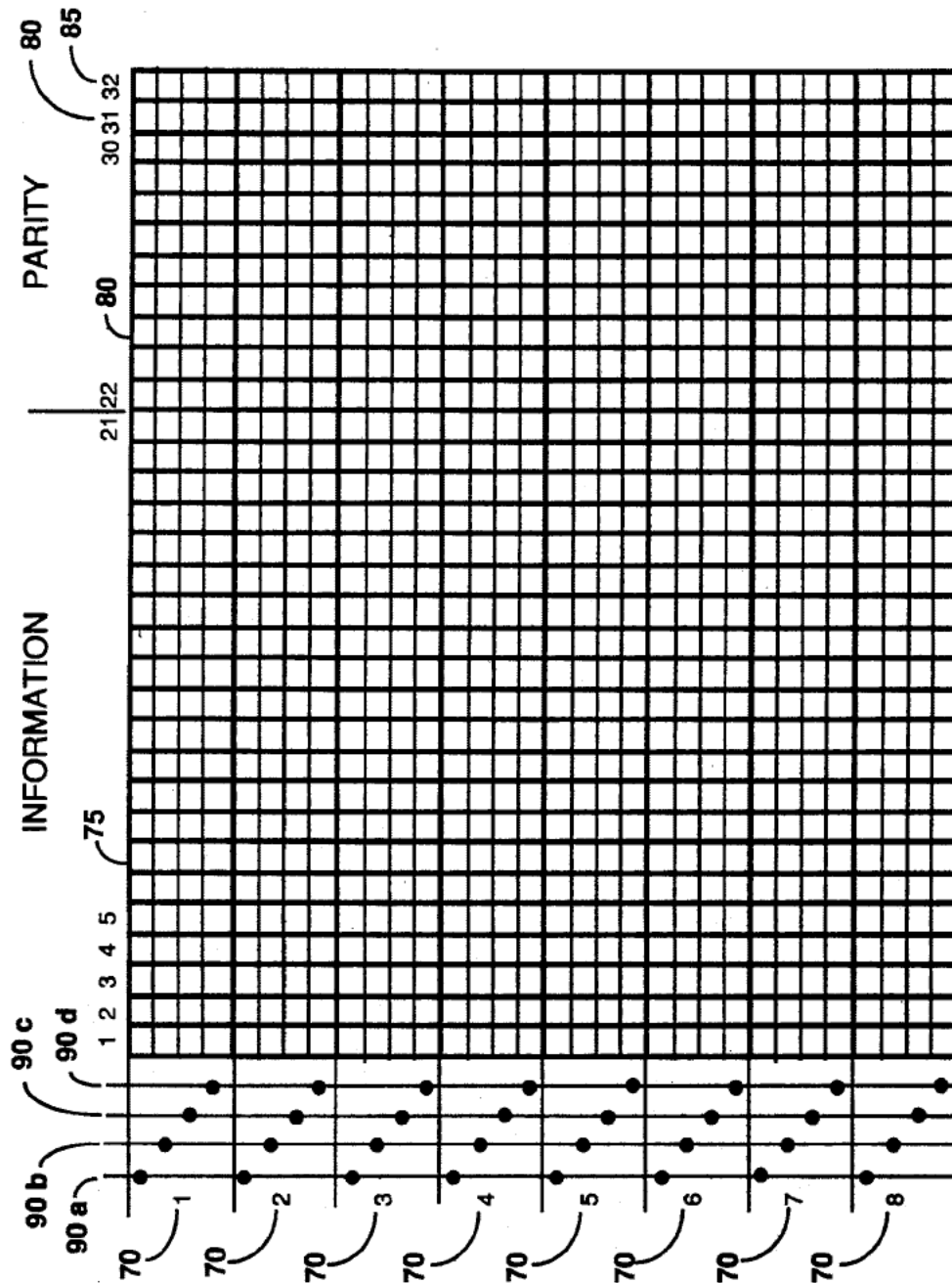


FIG. 2

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