



[54] METHOD AND APPARATUS FOR RECEIVING A RADIO SIGNAL WITHIN A HOME CONTROL CHANNEL IN A MULTICHANNEL RADIO COMMUNICATION SYSTEM

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[57] ABSTRACT

[21] Appl. No.: 418,735

In a system controller (102) a quantity of control channels is determined; a portion (344) of a code word (338) is set to identify the quantity of control channels; the code word (358) is transmitted in a predetermined portion (332) of each of a plurality of radio signals. In a multichannel radio (106) a receiver (610) is set to a first channel which includes one of the plurality of radio signals; the portion (344) of the code word (338) is decoded; one of the set of control channels is identified as a new home control channel, the home control channel is revised to the new home control channel, and the receiver (610) is set to the home control channel as revised. The one of the set of control channels is identified based on the quantity of control channels and a predetermined number in the multichannel radio (106).

[22] Filed: Apr. 7, 1995

[51] Int. Cl.6 H04B 7/00

[52] U.S. Cl. 455/31.3; 455/38.1; 455/515; 455/62; 455/450

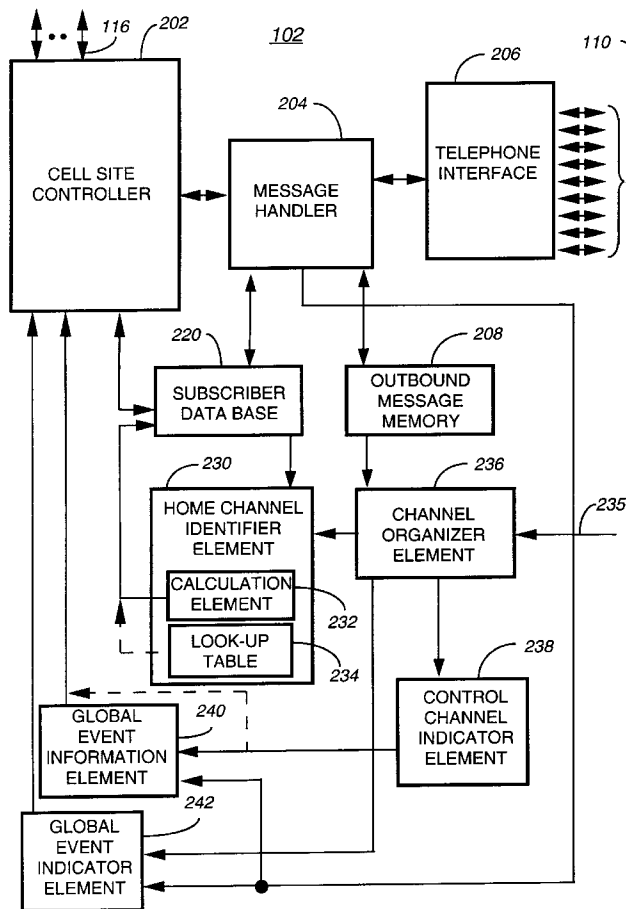
[58] Field of Search 455/31.3, 38.1, 455/62, 515, 450

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25 Claims, 7 Drawing Sheets



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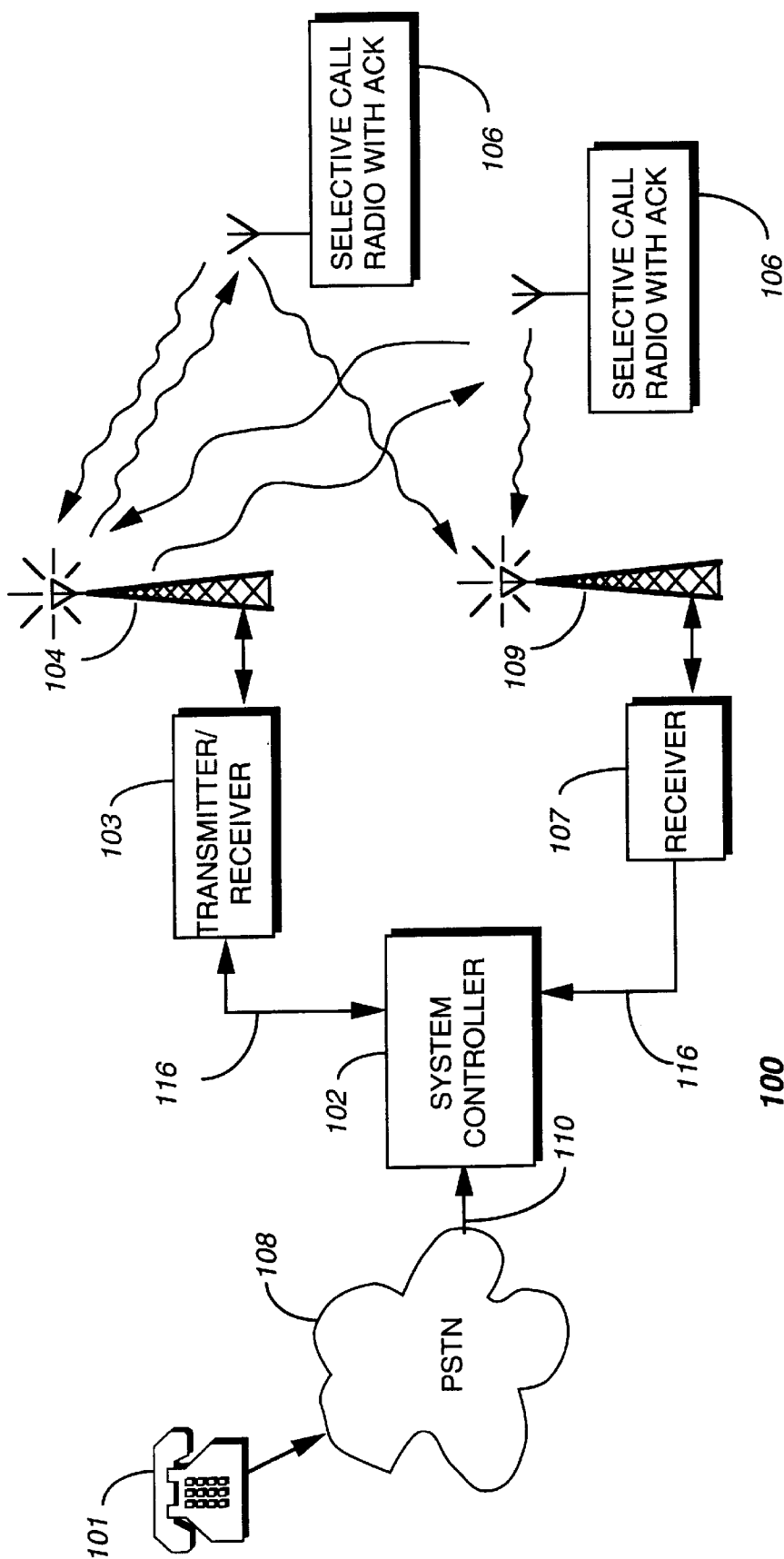


FIG. 1

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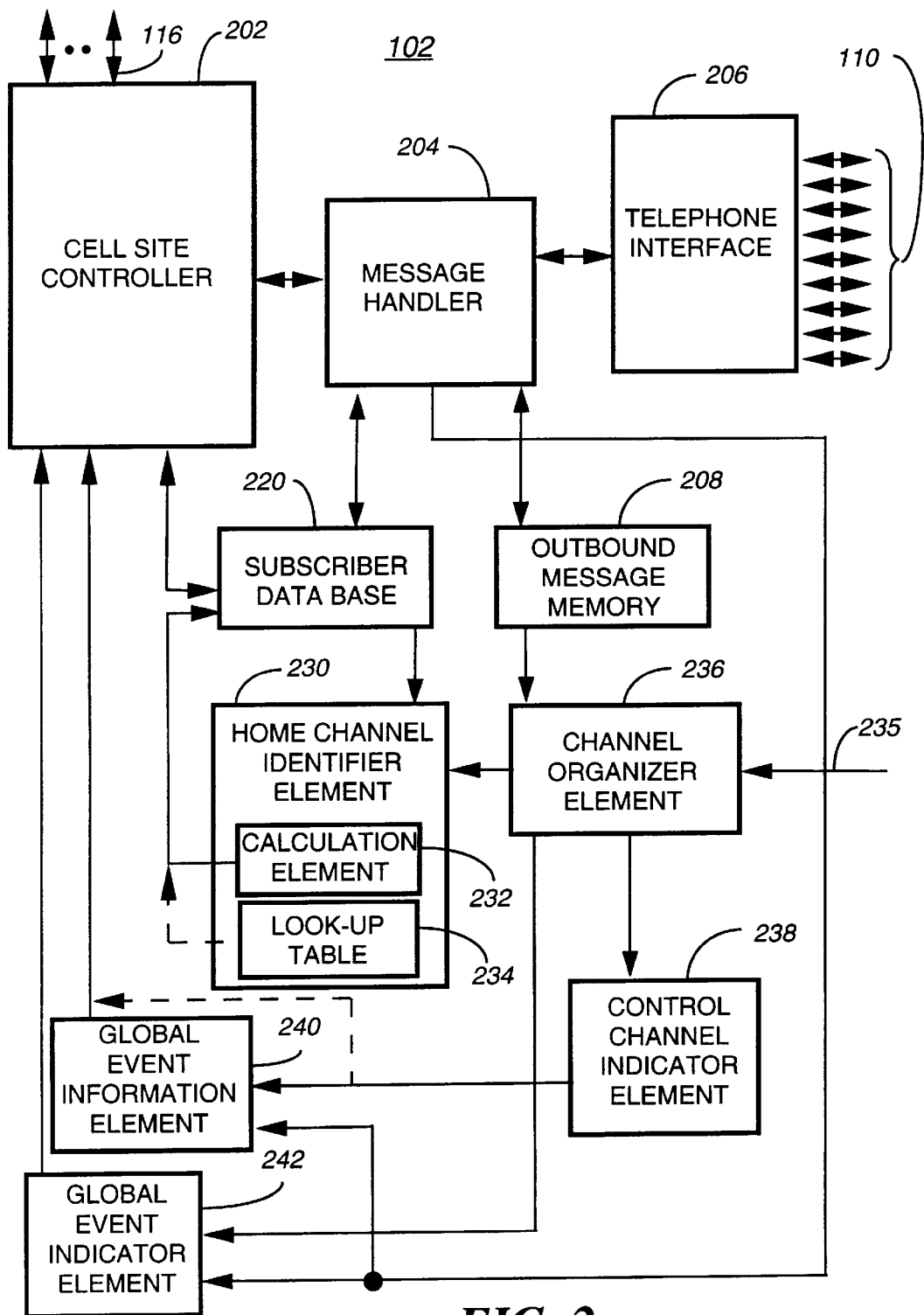


FIG. 2

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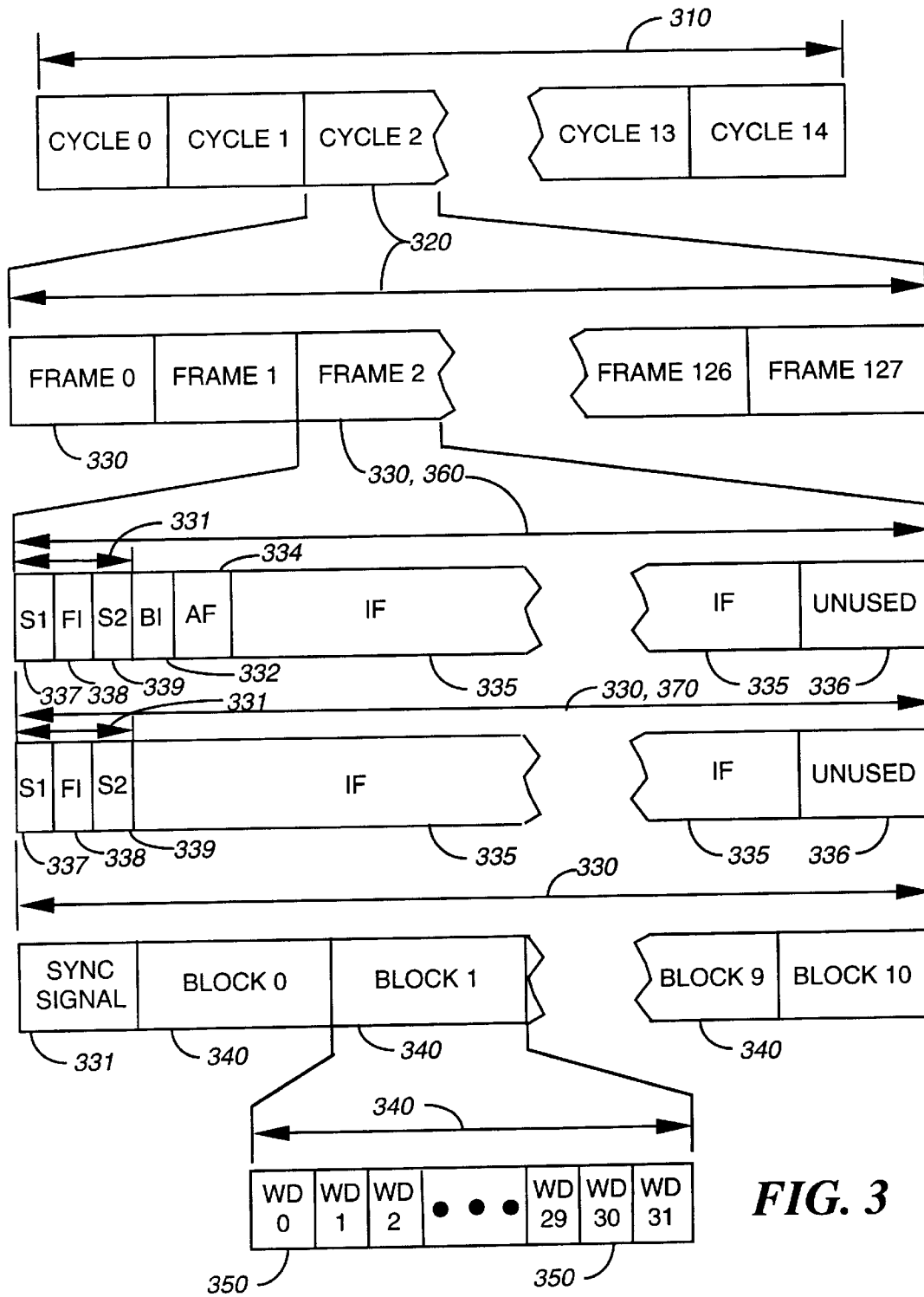


FIG. 3

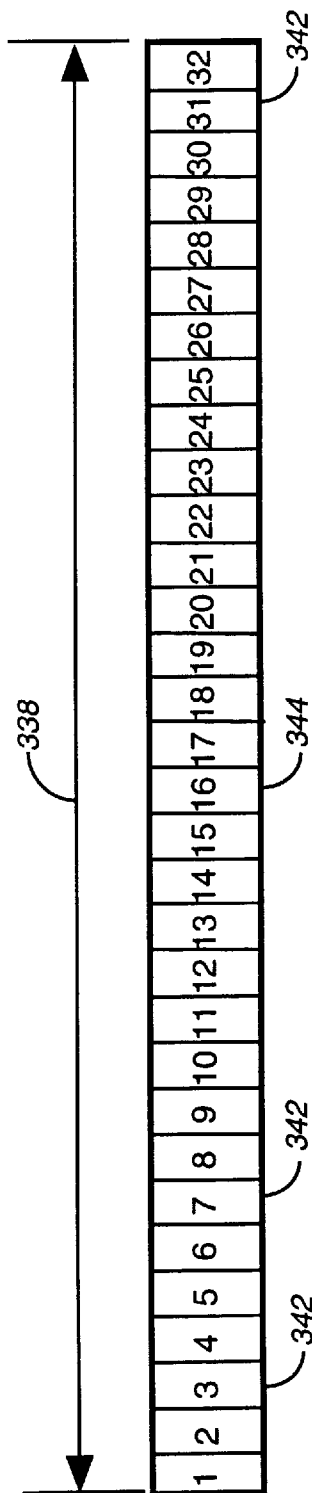


FIG. 4

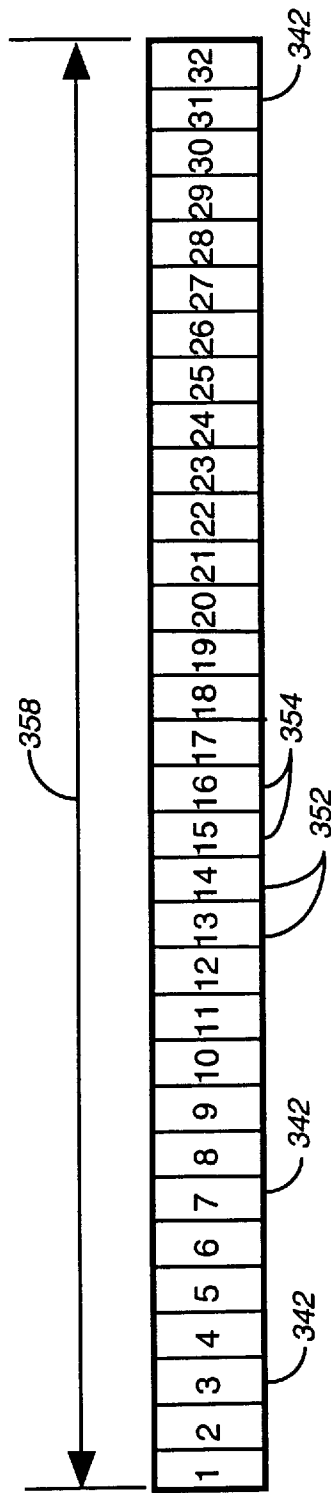


FIG. 5

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