

[54] **METHOD TO ALLOW A RADIO TRANSCEIVER TO AUTOMATICALLY SELECT FROM AMONGST MULTIPLE RADIO SYSTEMS**

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 687,104, Dec. 28, 1984, abandoned.

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[52] U.S. Cl. 455/34.1; 455/54.2;
455/56.1; 455/166.2; 379/58

[58] Field of Search 455/32.1, 33.1, 33.2,
455/33.4, 34.1, 17, 54.1, 54.2, 56.1, 76, 77,
166.2; 379/58

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[57] **ABSTRACT**

A method and means of automatically accessing several types of radio systems is described. The present invention allows a subscriber unit, which is normally operative in a operator selected radio system, to establish communication with an alternate system if a operator selected system cannot be found. The alternate system may be a conventional single channel mobile relay system or trunked radio system in which the subscriber is authorized to operate. Once communications are established with an alternate communication system, the present invention will periodically attempt to establish communication with the operator selected system while simultaneously attempting to be assigned a higher priority channel in the alternate communication systems according to a priority scan list. Further, the present invention will automatically ignore certain channels which are dedicated for car-to-car use.

5 Claims, 6 Drawing Sheets

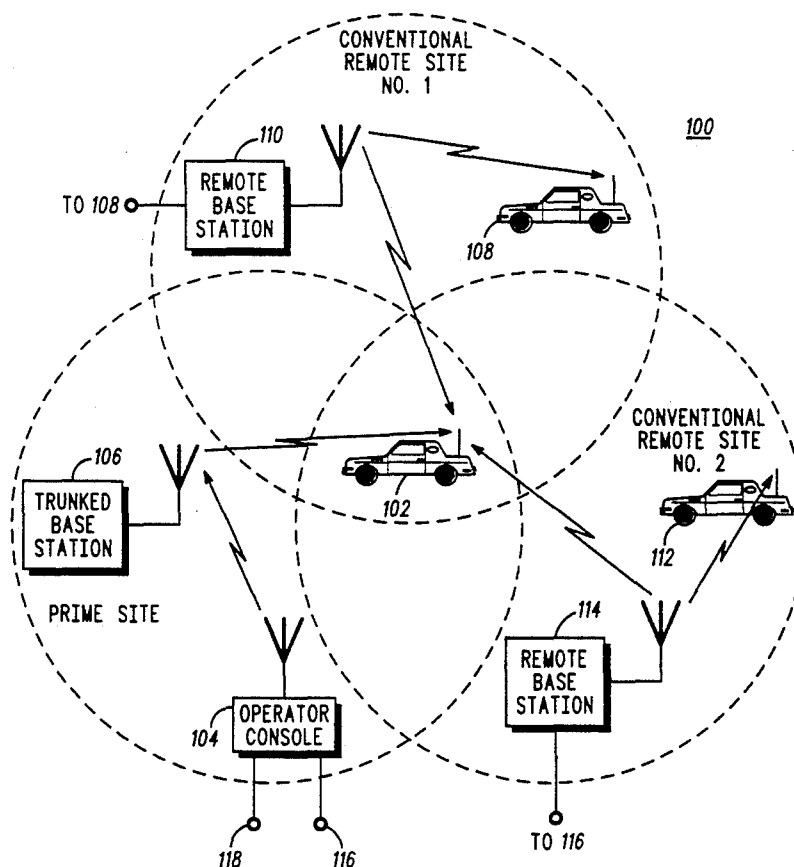
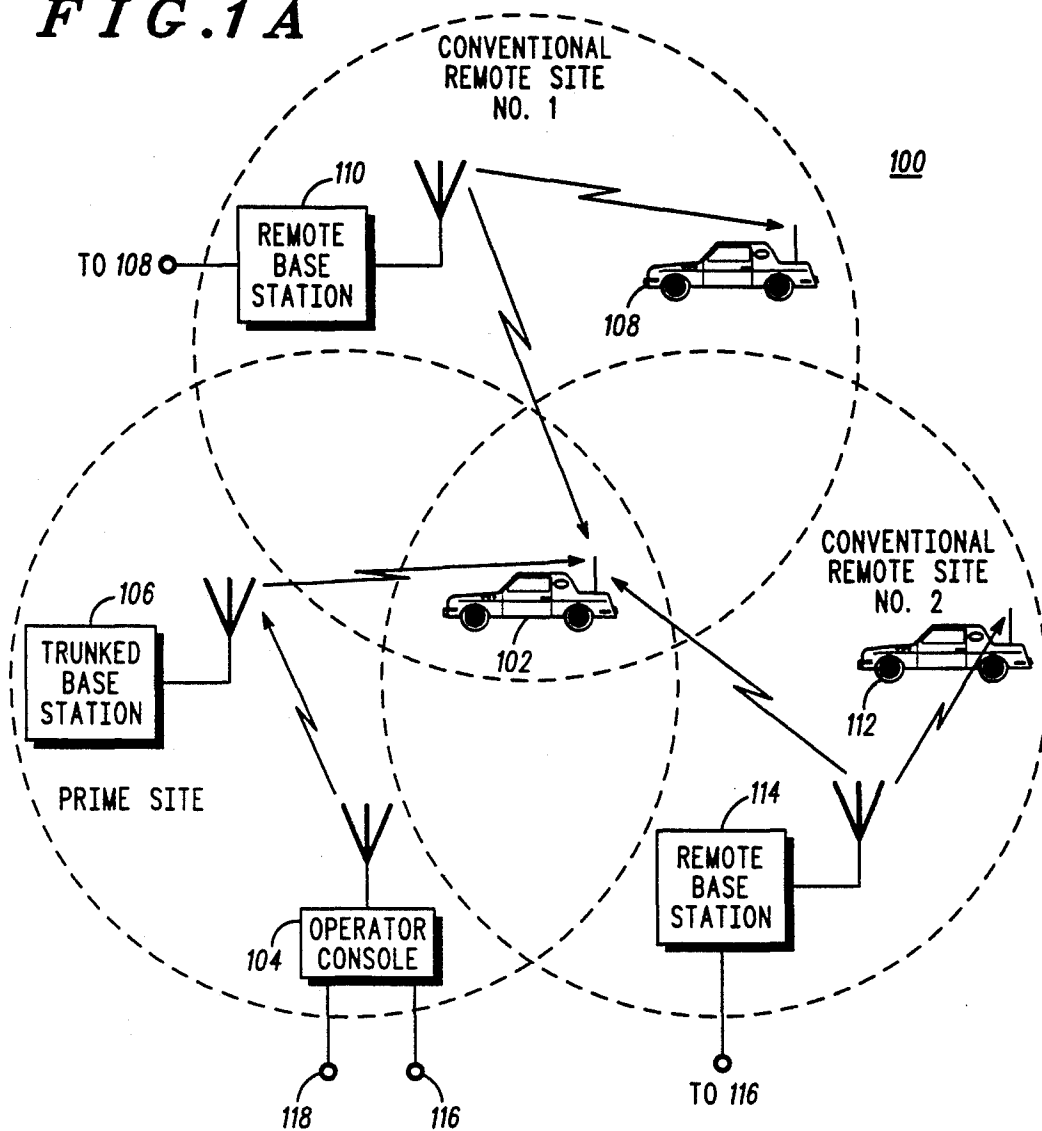
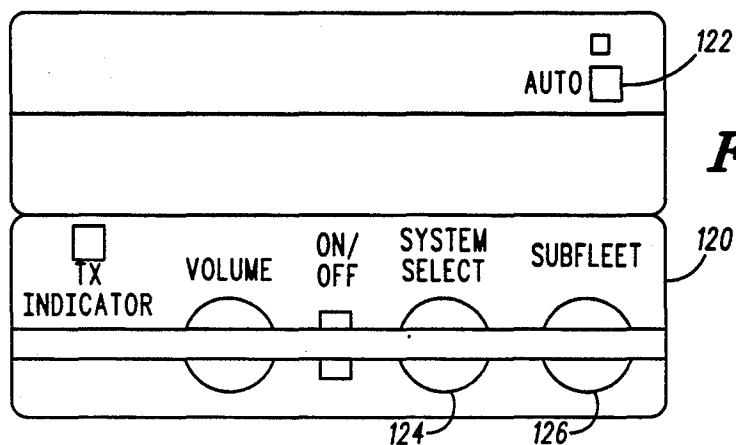


FIG. 1A**FIG. 1B**

200

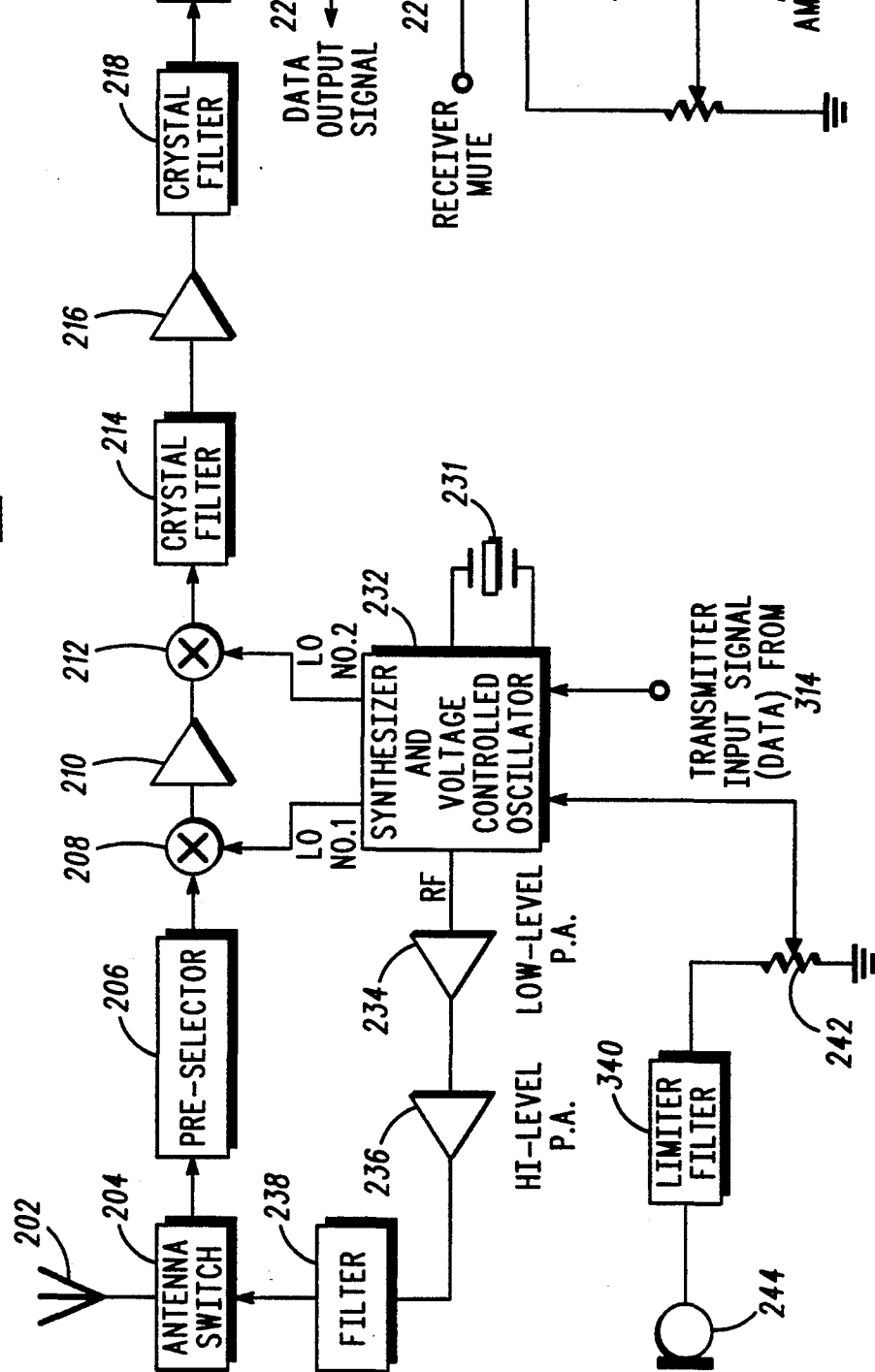
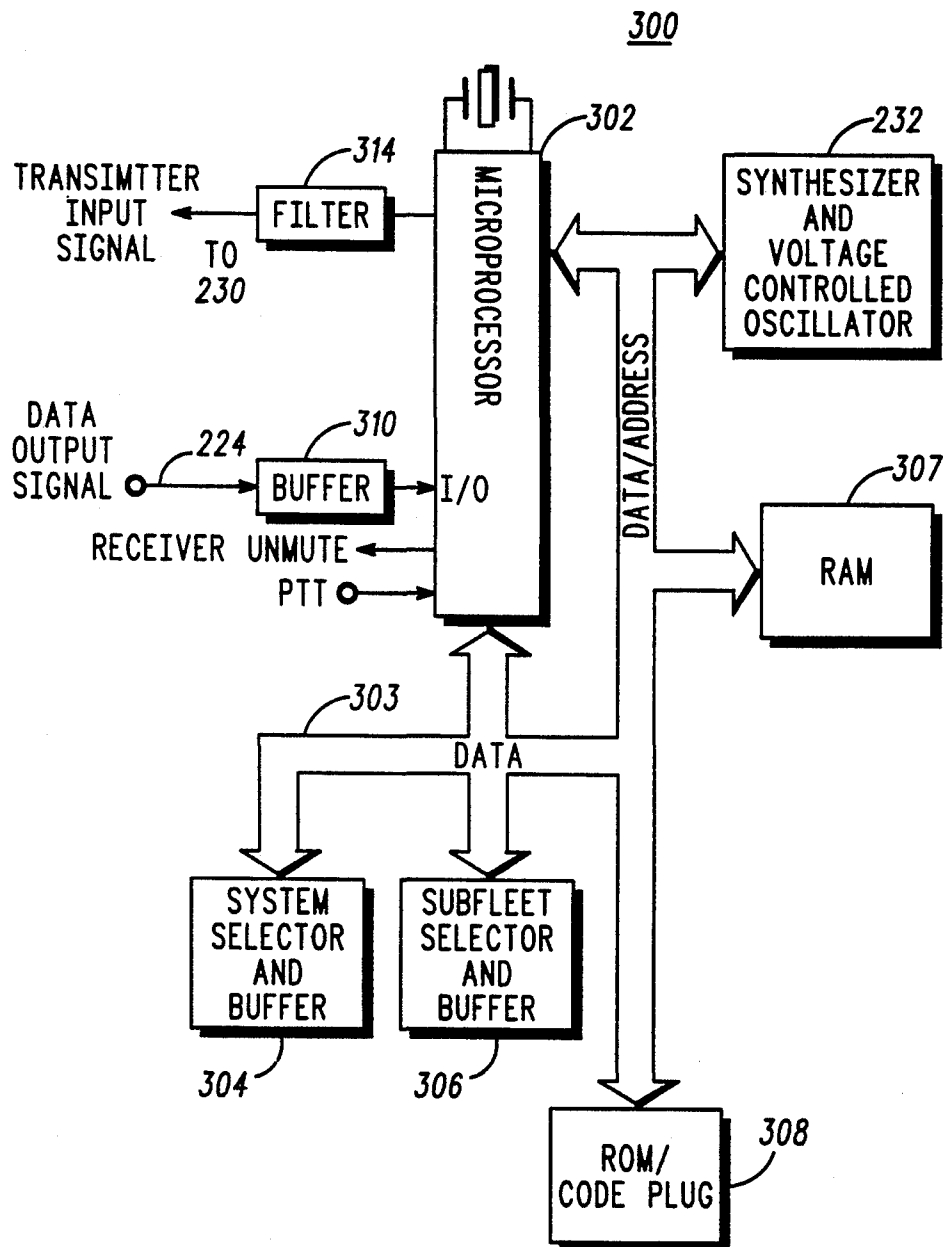
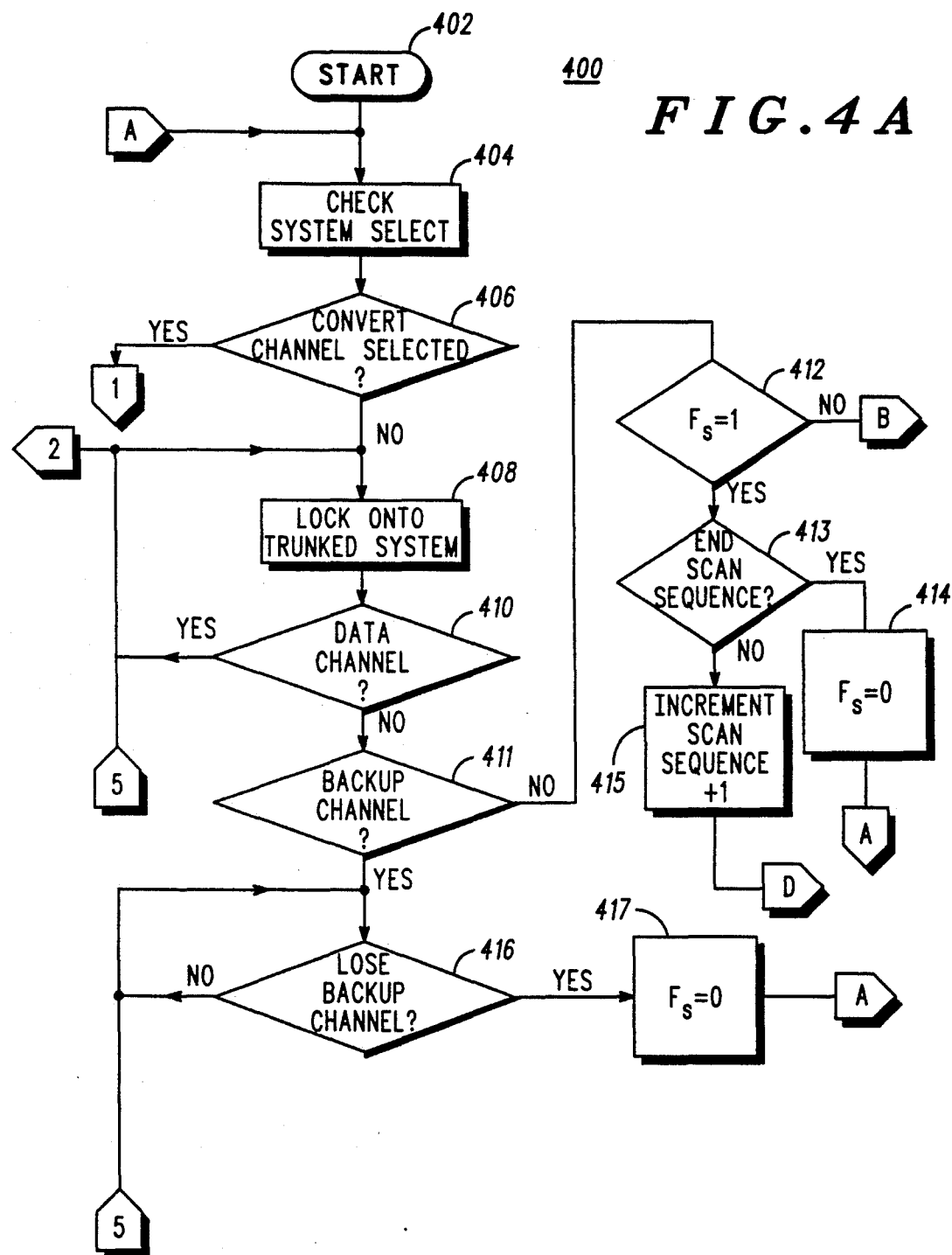


FIG. 2

FIG. 3



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