



# United States Patent [19]

Migliaccio et al.

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[54] **APPARATUS AND METHOD FOR THE RECEPTION OF RADIO SIGNALS TRANSMITTED BY RDS SYSTEM**

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[30] **Foreign Application Priority Data**  
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[51] Int. Cl.<sup>7</sup> ..... **H04B 1/16**

[52] U.S. Cl. .... **455/150.1**; 455/45; 455/151.1; 455/151.2; 455/158.4; 455/186.1

[58] **Field of Search** ..... 455/45, 186.1, 455/150.1, 151.1, 151.2, 158.4

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### [57] **ABSTRACT**

An apparatus and a method for the reception of radio signals transmitted by an RDS system provide the selection and reception of a first frequency; the selection, during the reception of the first frequency, of a second frequency, different from the first frequency and not included in the AF list of frequencies alternative to the first frequency; and the switching of the reception between the first and second frequency upon comparison of RDS data relative to the second frequency with previously stored RDS data.

**16 Claims, 4 Drawing Sheets**

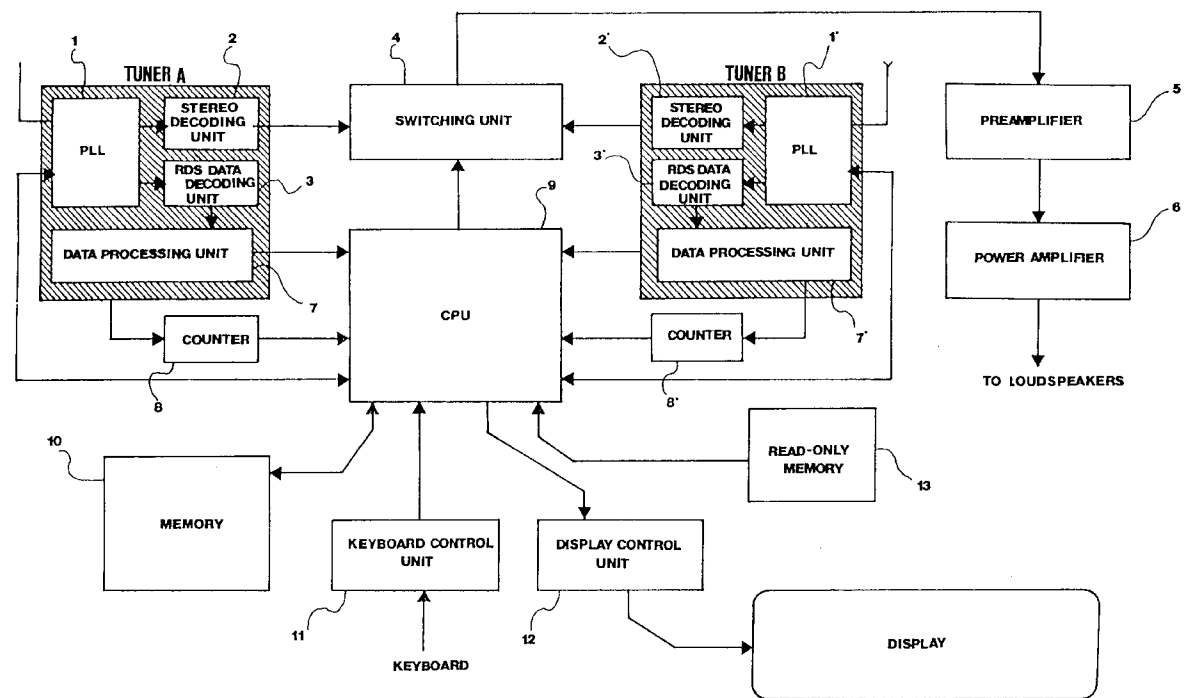
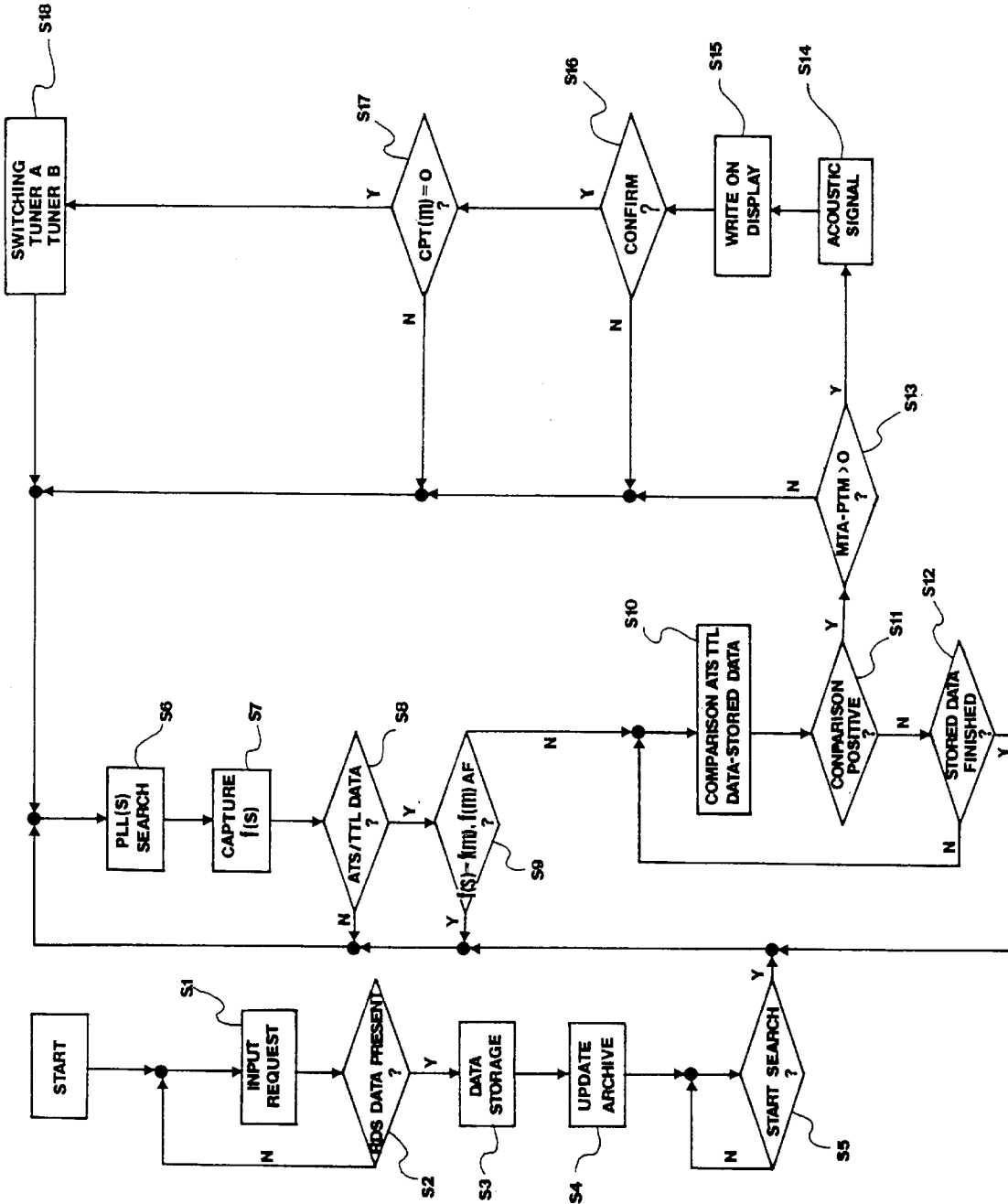




FIG. 2



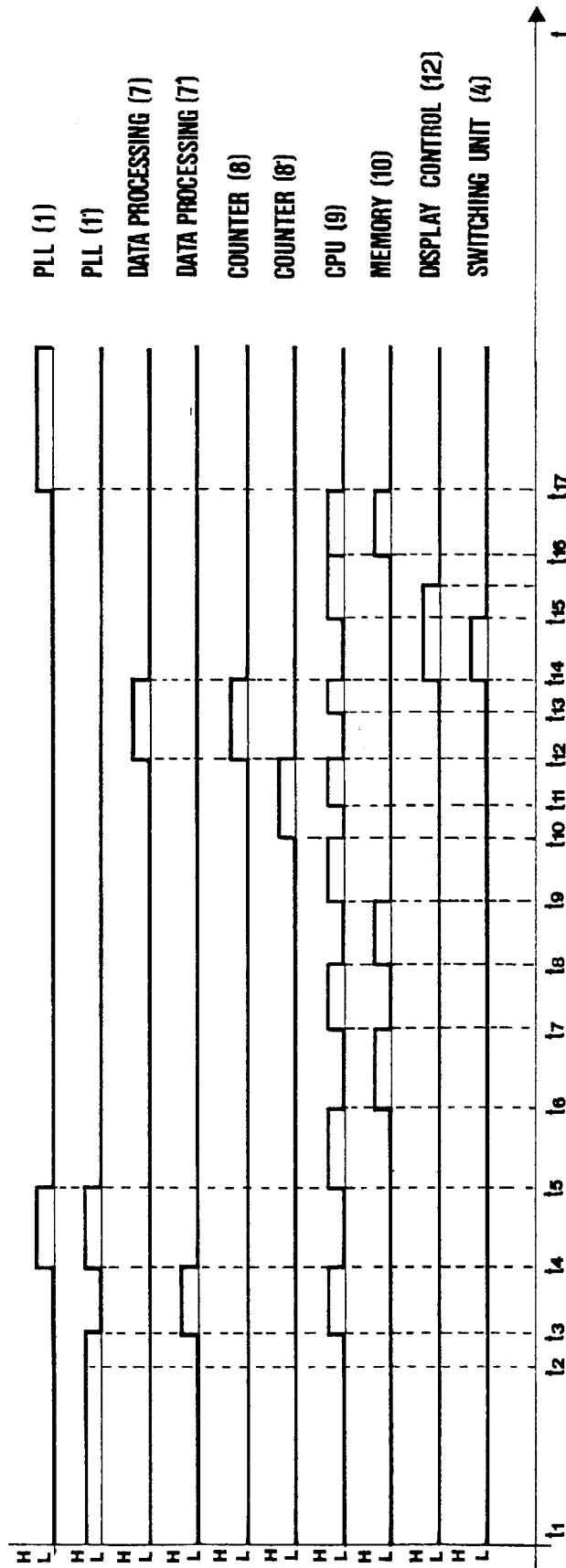
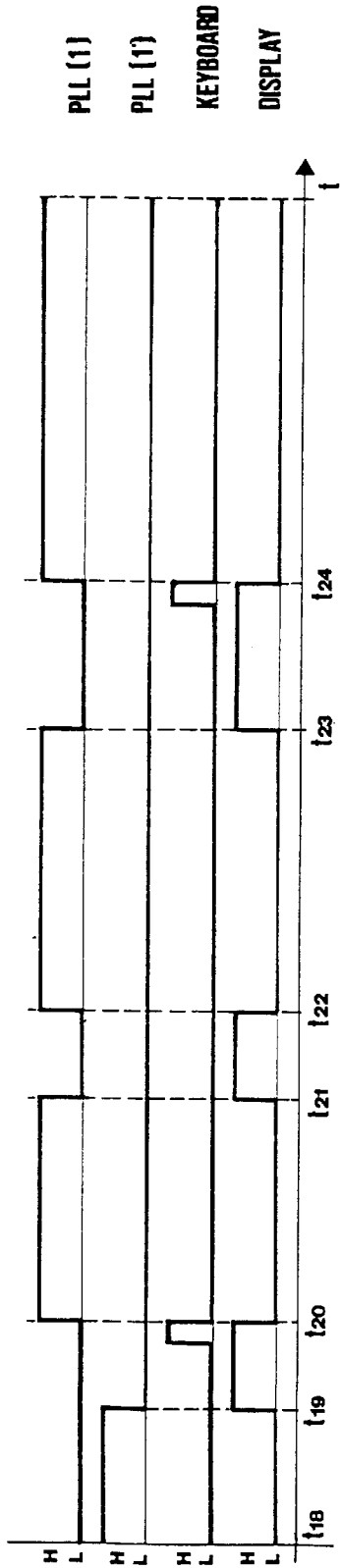


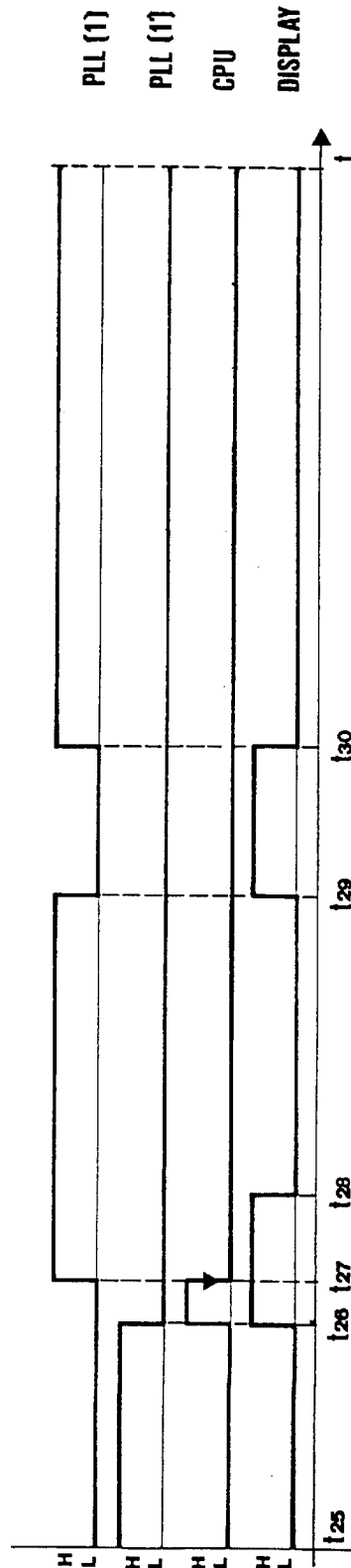
FIG. 3

**SWITCHING WITH MANUAL ACCEPTING MODE**



**FIG. 4**

**SWITCHING WITH AUTO - ACCEPTING MODE**



**FIG. 5**

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