



United States Patent [19]

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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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[22] Filed: **Oct. 30, 1998**

[30] Foreign Application Priority Data

Nov. 18, 1997 [IT] Italy RM97A0712

[51] Int. Cl.⁷ **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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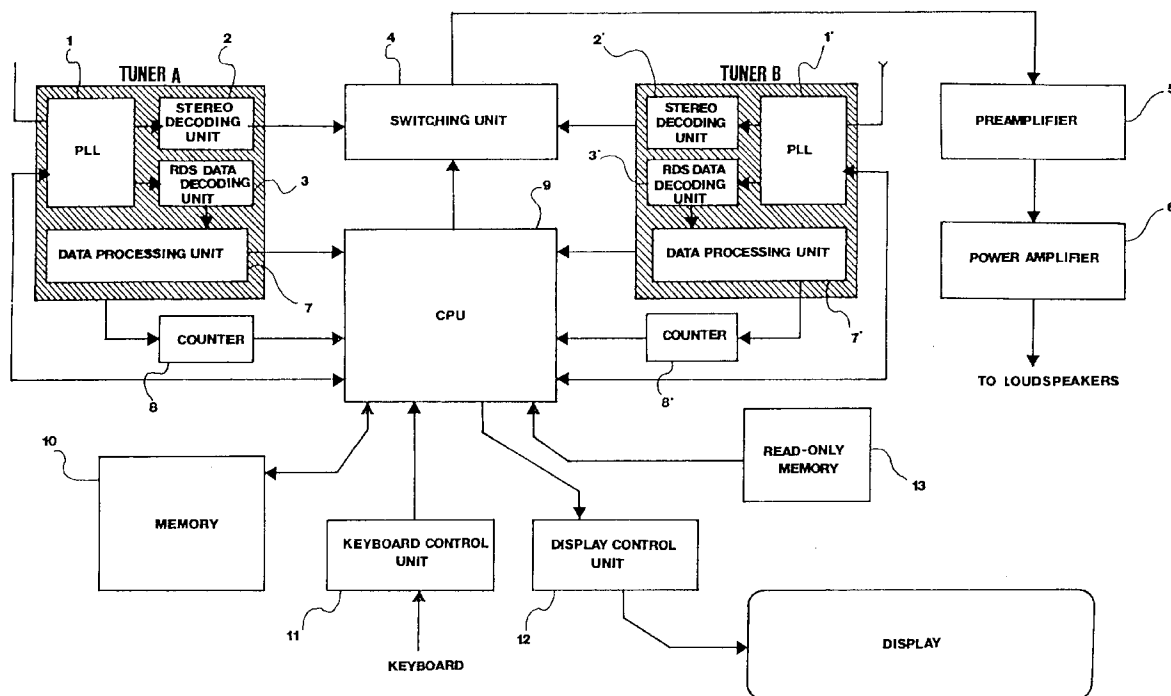
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[57] ABSTRACT

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



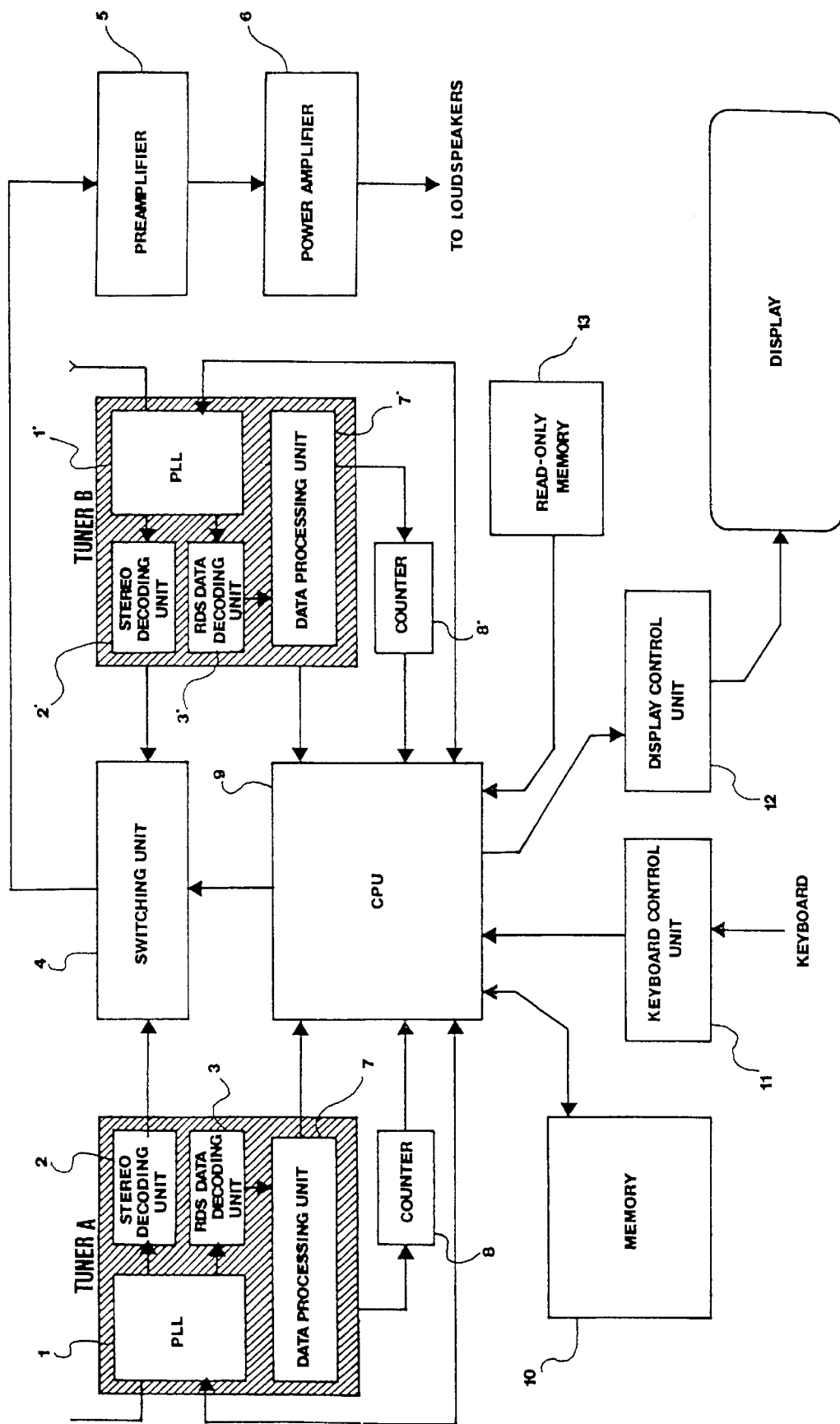
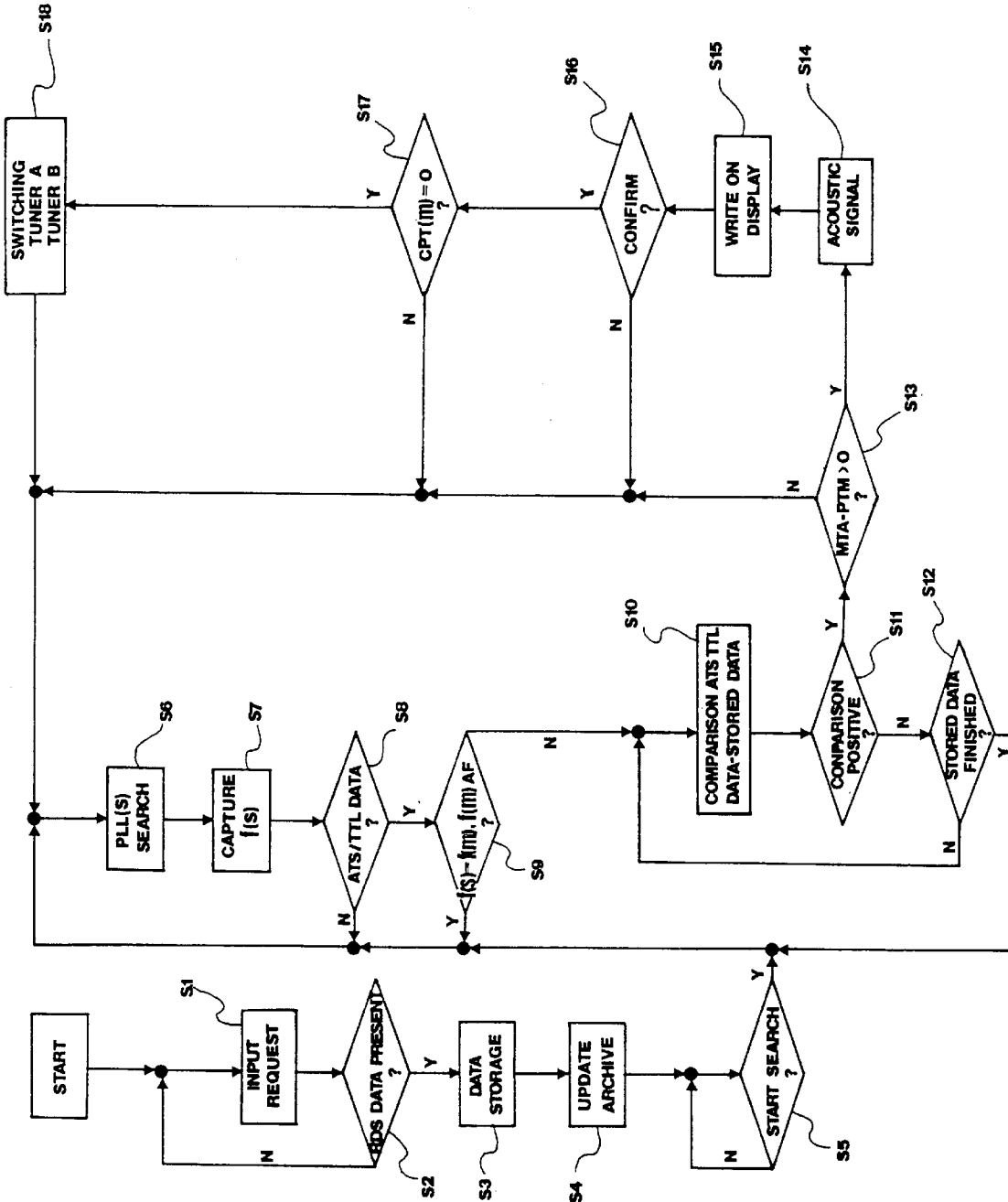


FIG. 1

FIG. 2



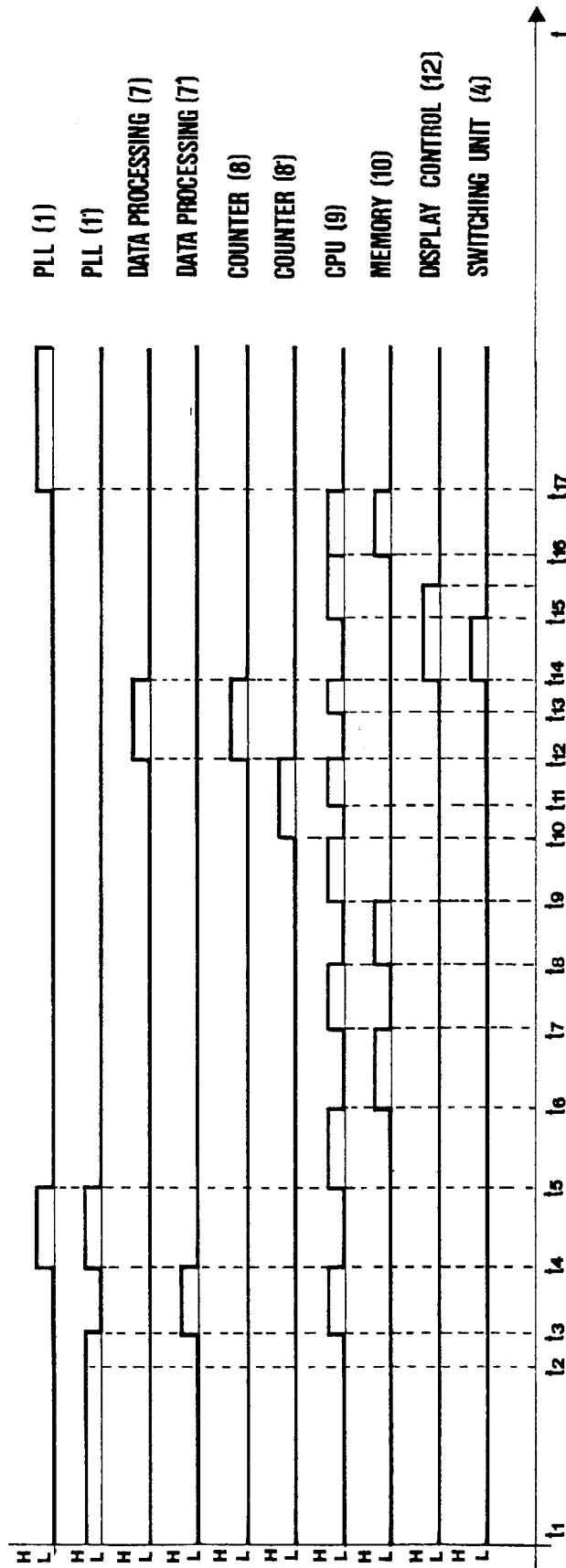


FIG. 3

SWITCHING WITH MANUAL ACCEPTING MODE

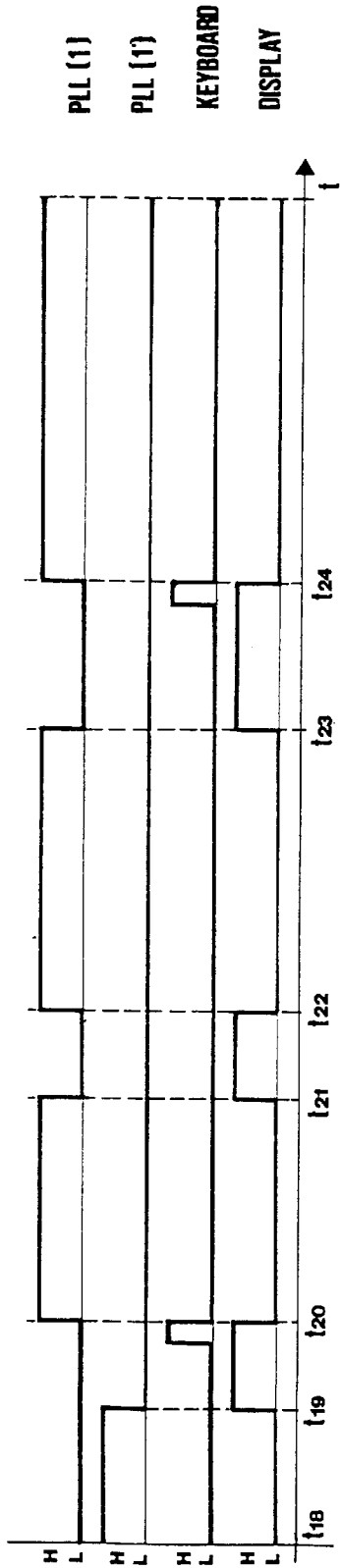


FIG. 4

SWITCHING WITH AUTO - ACCEPTING MODE

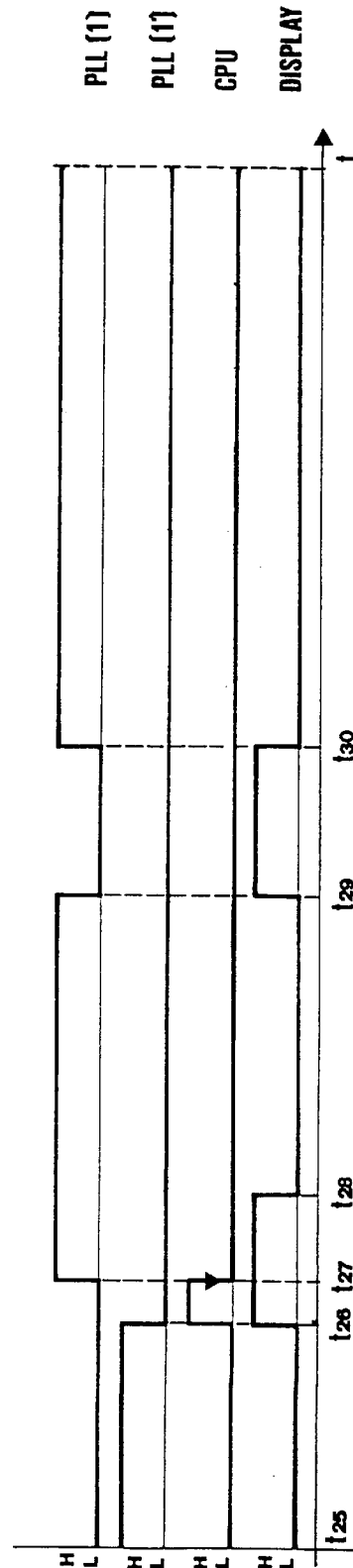


FIG. 5

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