



United States Patent [19]
Migliaccio et al.

[11] **Patent Number:** **6,161,002**
[45] **Date of Patent:** **Dec. 12, 2000**

- [54] **APPARATUS AND METHOD FOR THE RECEPTION OF RADIO SIGNALS TRANSMITTED BY RDS SYSTEM**
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- [21] Appl. No.: **09/182,661**
- [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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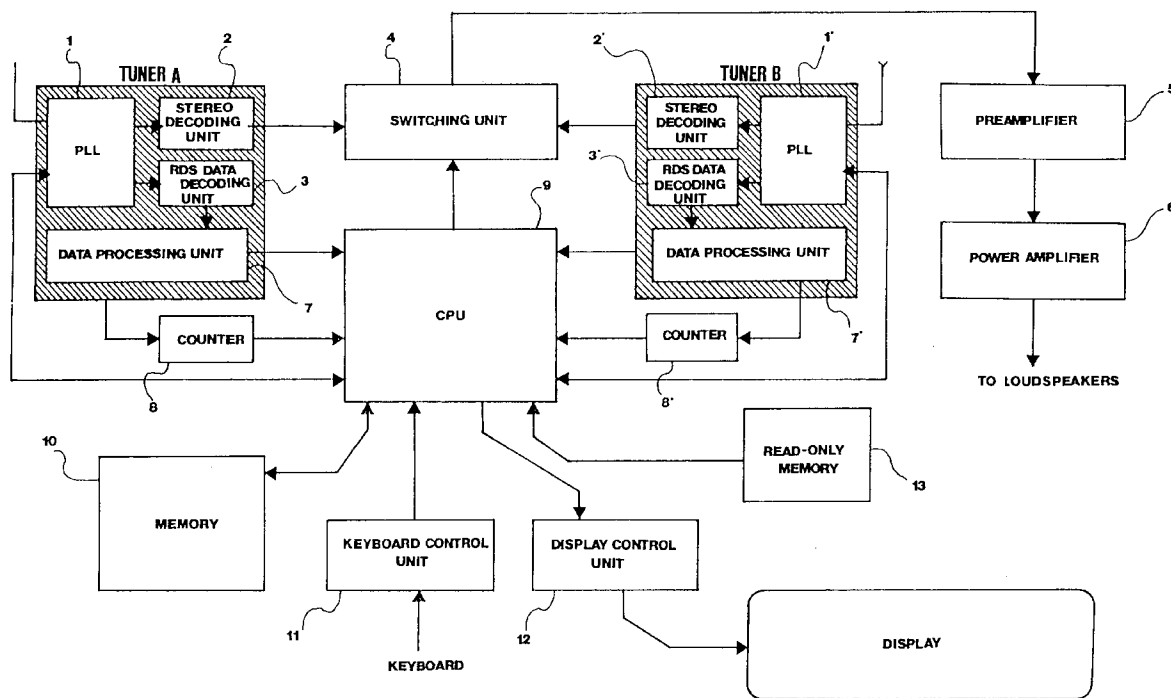
Primary Examiner—Dwayne D. Bost
Assistant Examiner—Temica M. Davis
Attorney, Agent, or Firm—Browdy and Neimark

[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.

- [56] **References Cited**
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16 Claims, 4 Drawing Sheets



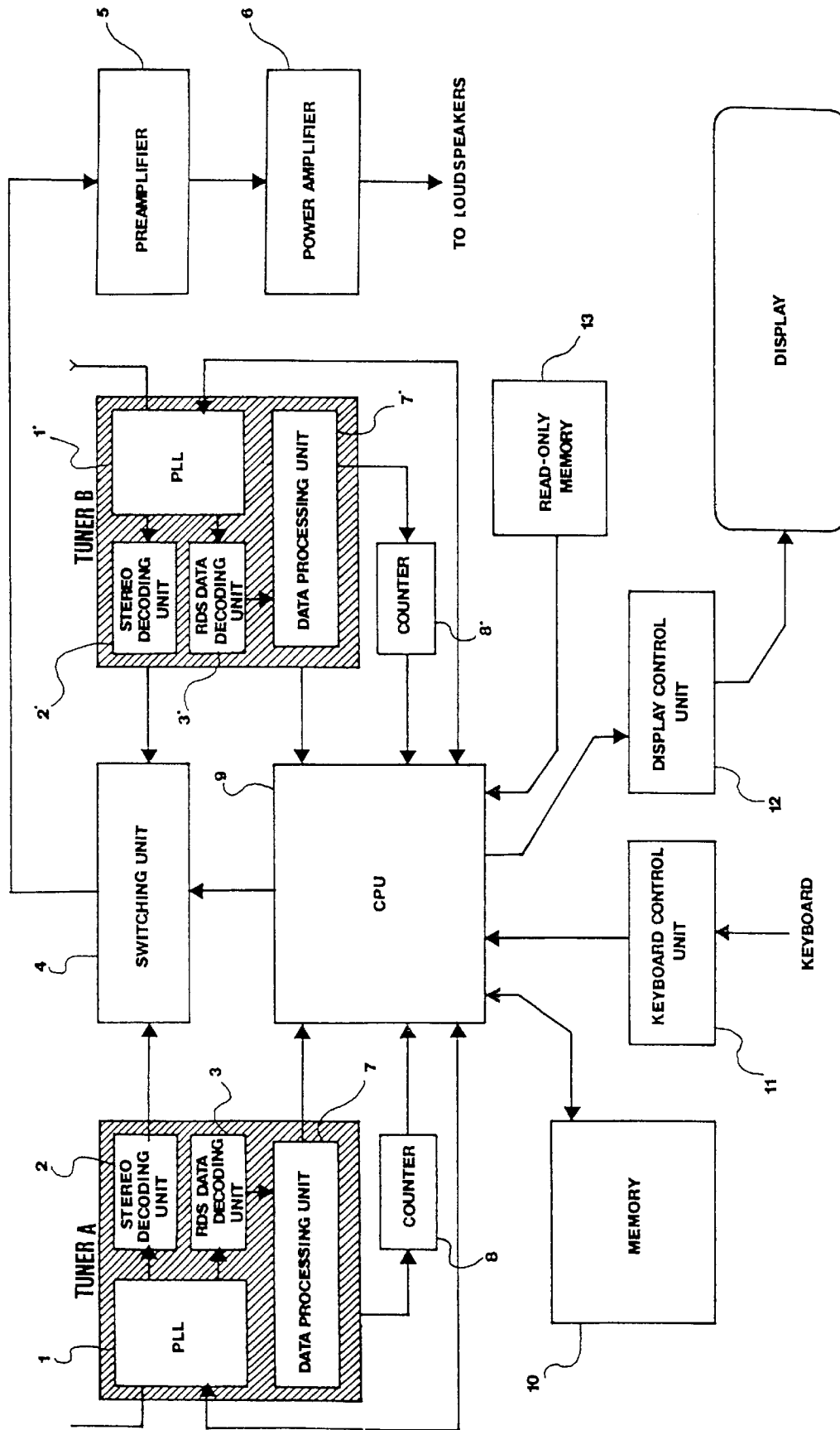
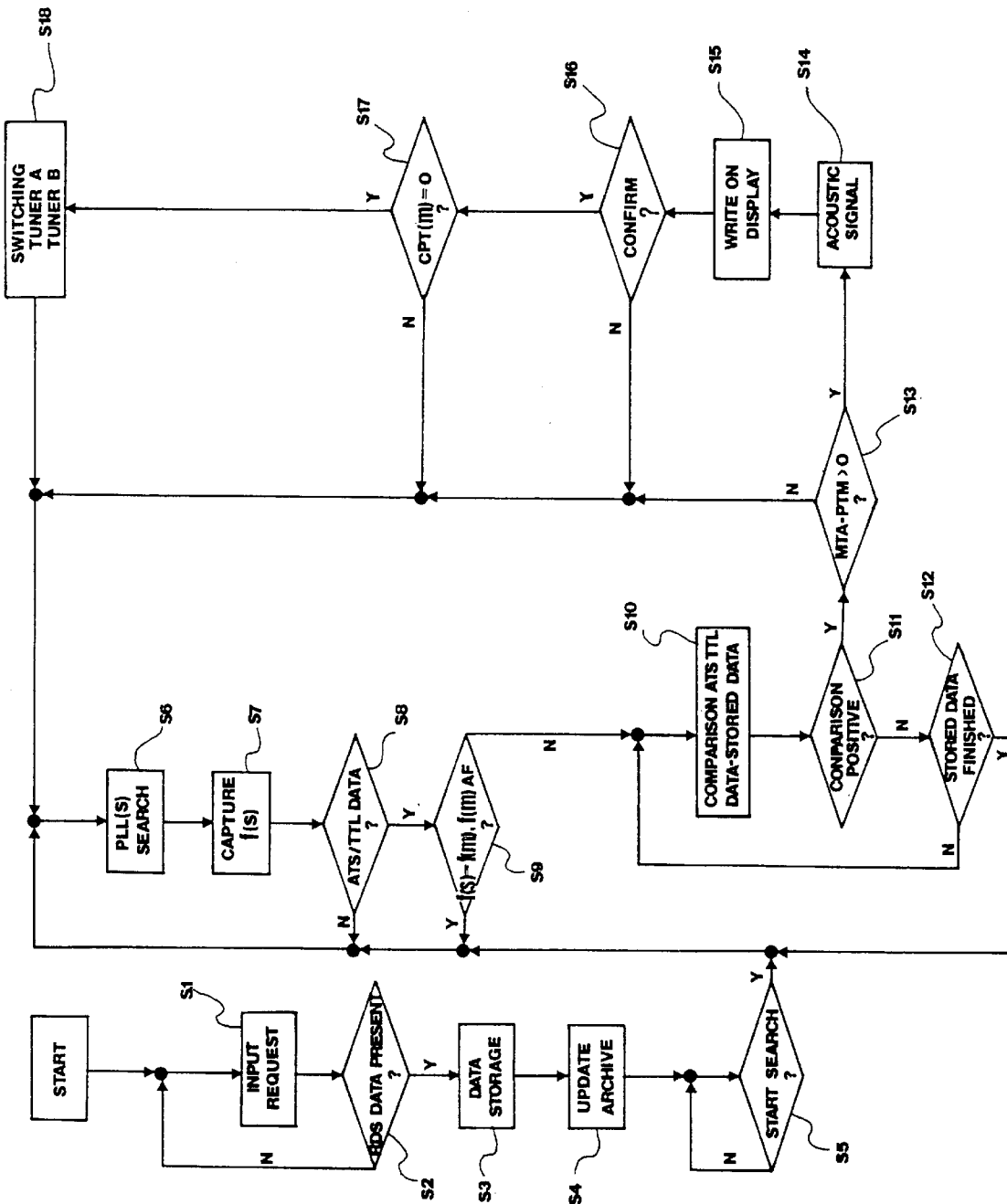


FIG. 1

FIG. 2



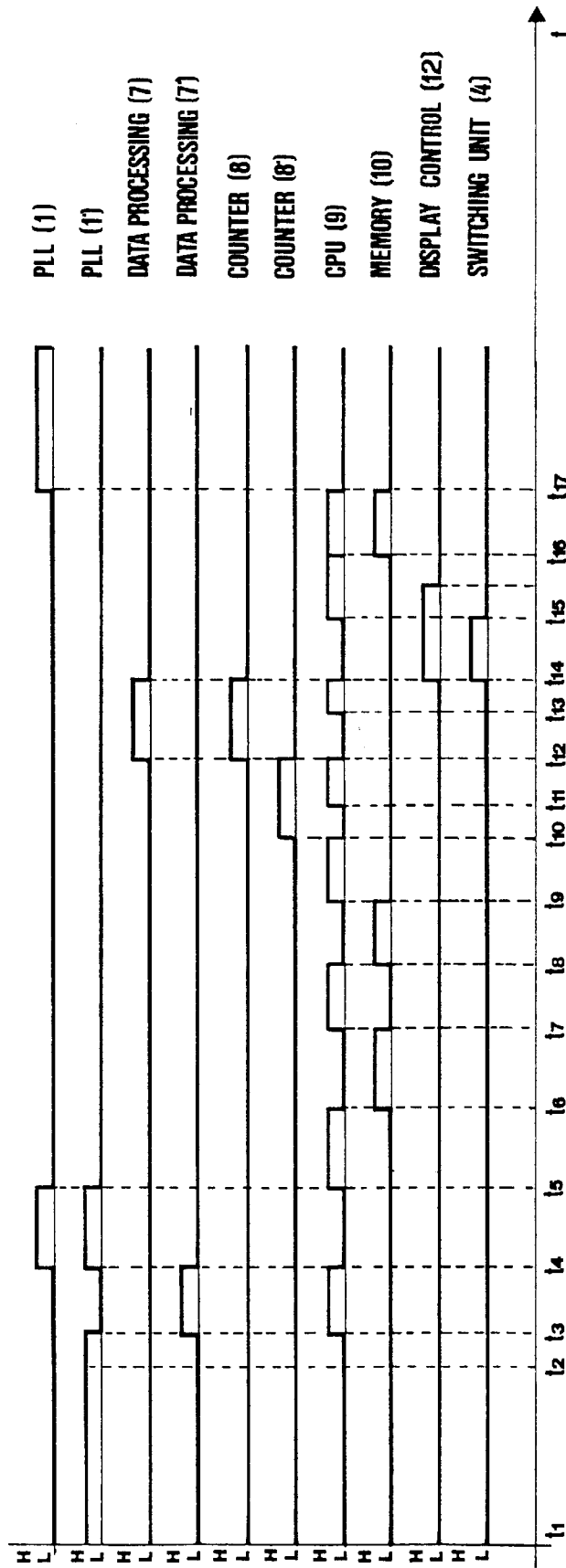


FIG. 3

SWITCHING WITH MANUAL ACCEPTING MODE

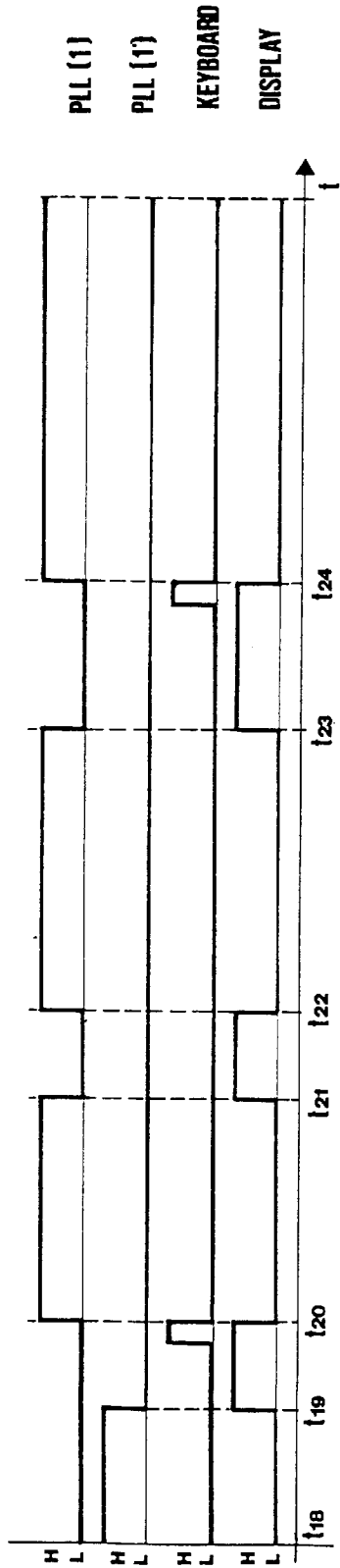


FIG. 4

SWITCHING WITH AUTO - ACCEPTING MODE

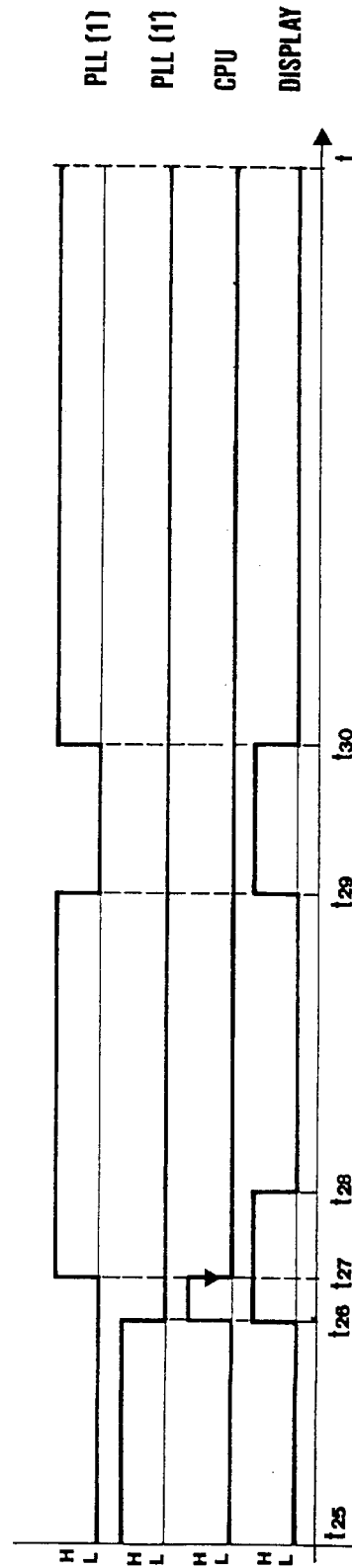


FIG. 5

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