

- [54] **CELLULAR CORDLESS TELEPHONE**
- [75] Inventors: **Steven F. Gillig, Roselle; Glen E. Pederson, St. Charles, both of Ill.**
- [73] Assignee: **Motorola, Inc., Schaumburg, Ill.**
- [21] Appl. No.: **249,041**
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- [51] Int. Cl.<sup>5</sup> ..... **H04B 1/40; H04Q 7/04**
- [52] U.S. Cl. .... **379/59; 379/61**
- [58] Field of Search ..... **455/89, 73; 379/63, 379/58, 59, 61**

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[57] **ABSTRACT**

A cellular cordless telephone (10) operates with both a cordless base station (180) and a cellular base station (190) and cellular control terminal (196). In one embodiment (FIG. 2), a cellular cordless telephone (100) includes a cellular transceiver (120), antenna (128), keyboard (140), a display (180), handset (160), and microcomputer (130) together with a cordless transceiver (110) and antenna (118), all of which may be in a single housing. In another embodiment (FIG. 3), a cellular cordless telephone (200) includes a cellular telephone (220) and a cordless telephone transceiver (210) which may be a plugable module. Whenever cellular cordless telephone (10) is within range of cordless base station (180), telephone calls may be made over the cordless radio channel or transferred from the cellular radio channels to the cordless radio channel. If the cellular cordless telephone (10) thereafter moves out of range of the cordless base station (180), telephone calls may be made over the cellular radio channels or transferred from the cordless radio channel to one of the cellular telephone channels.

20 Claims, 7 Drawing Sheets

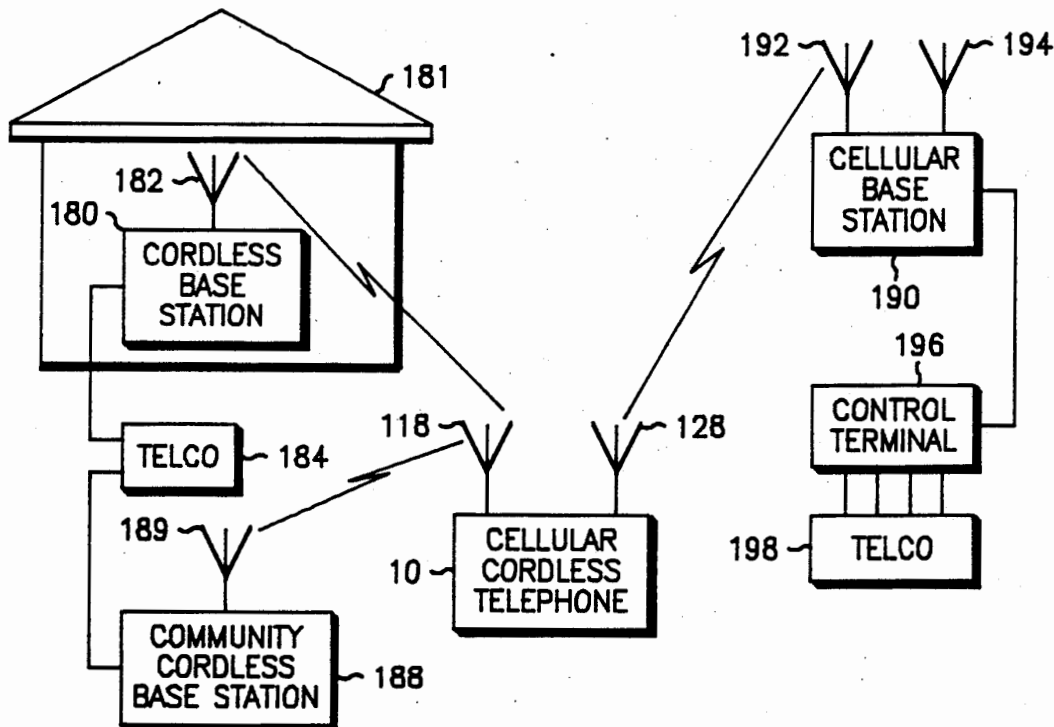


FIG. 1

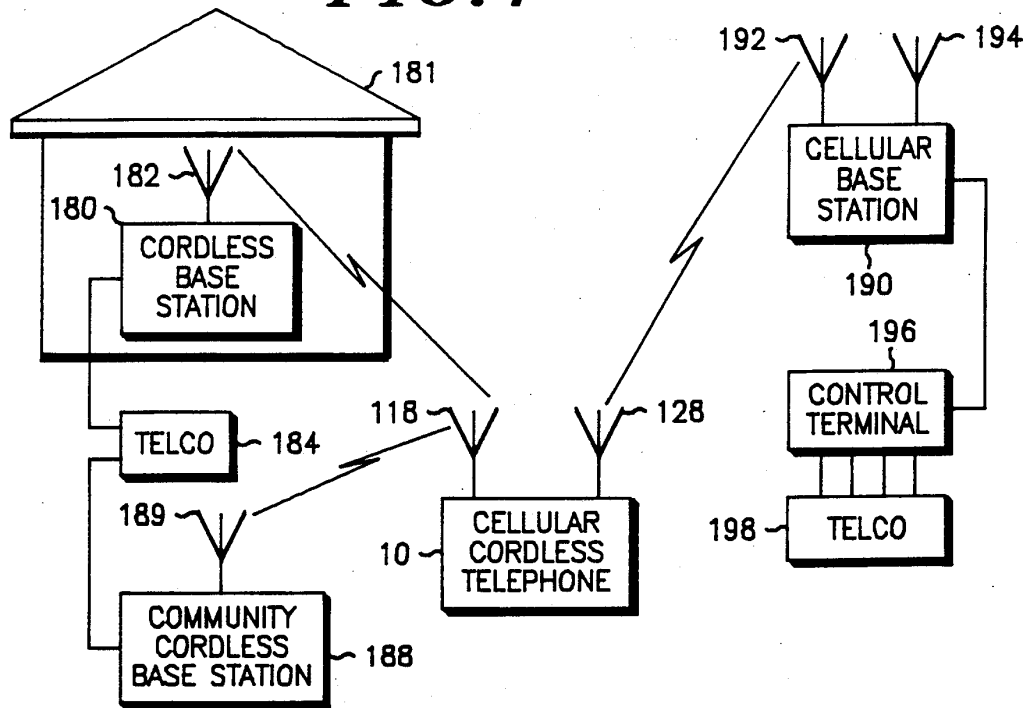
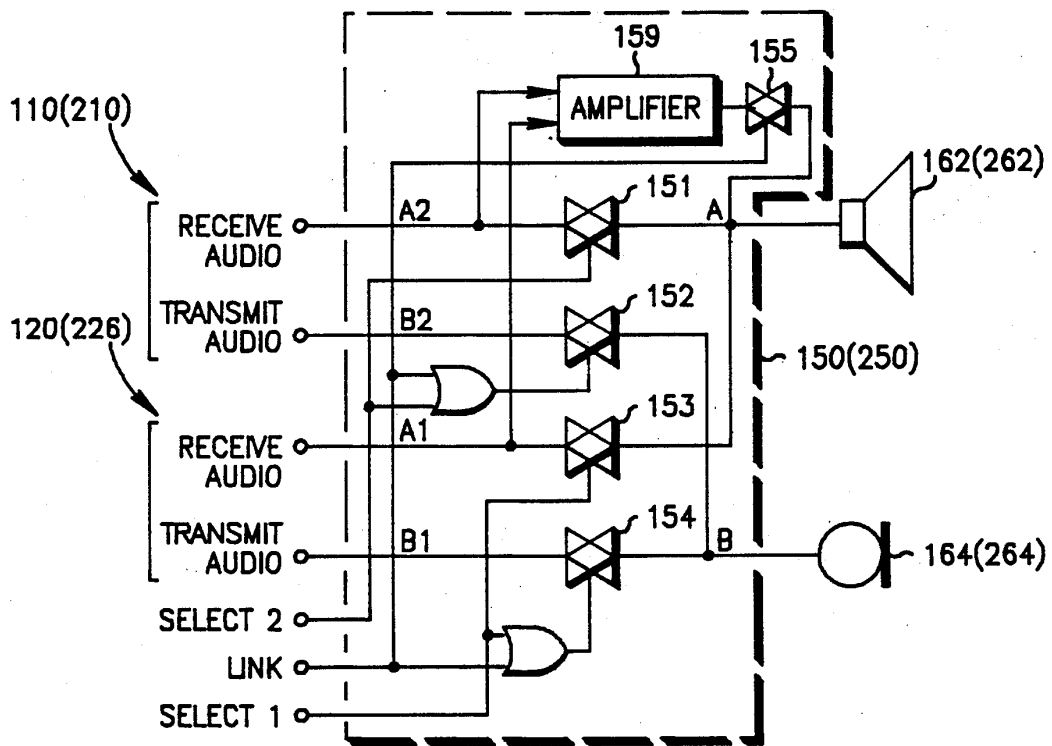


FIG. 9



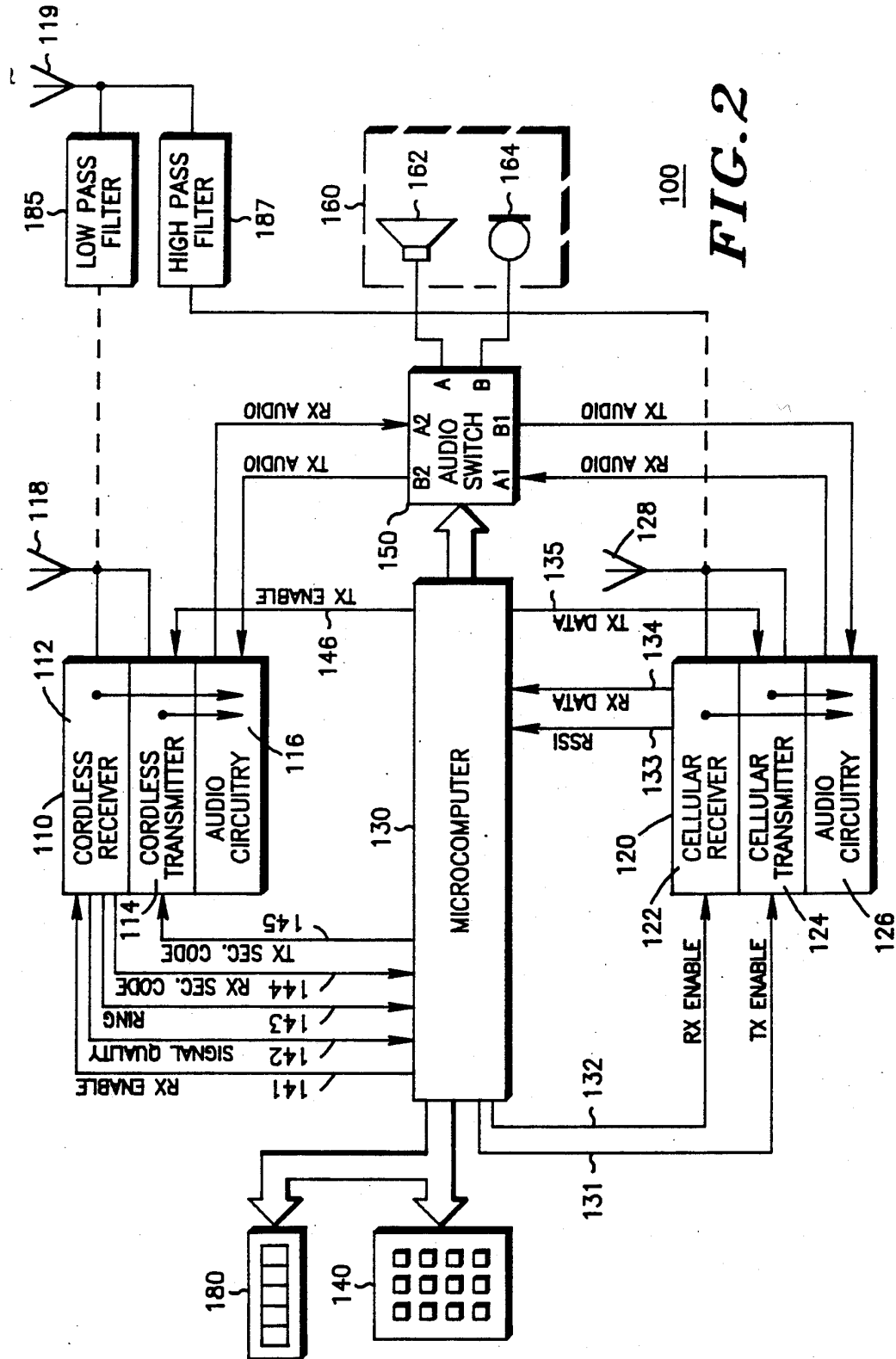


FIG. 3

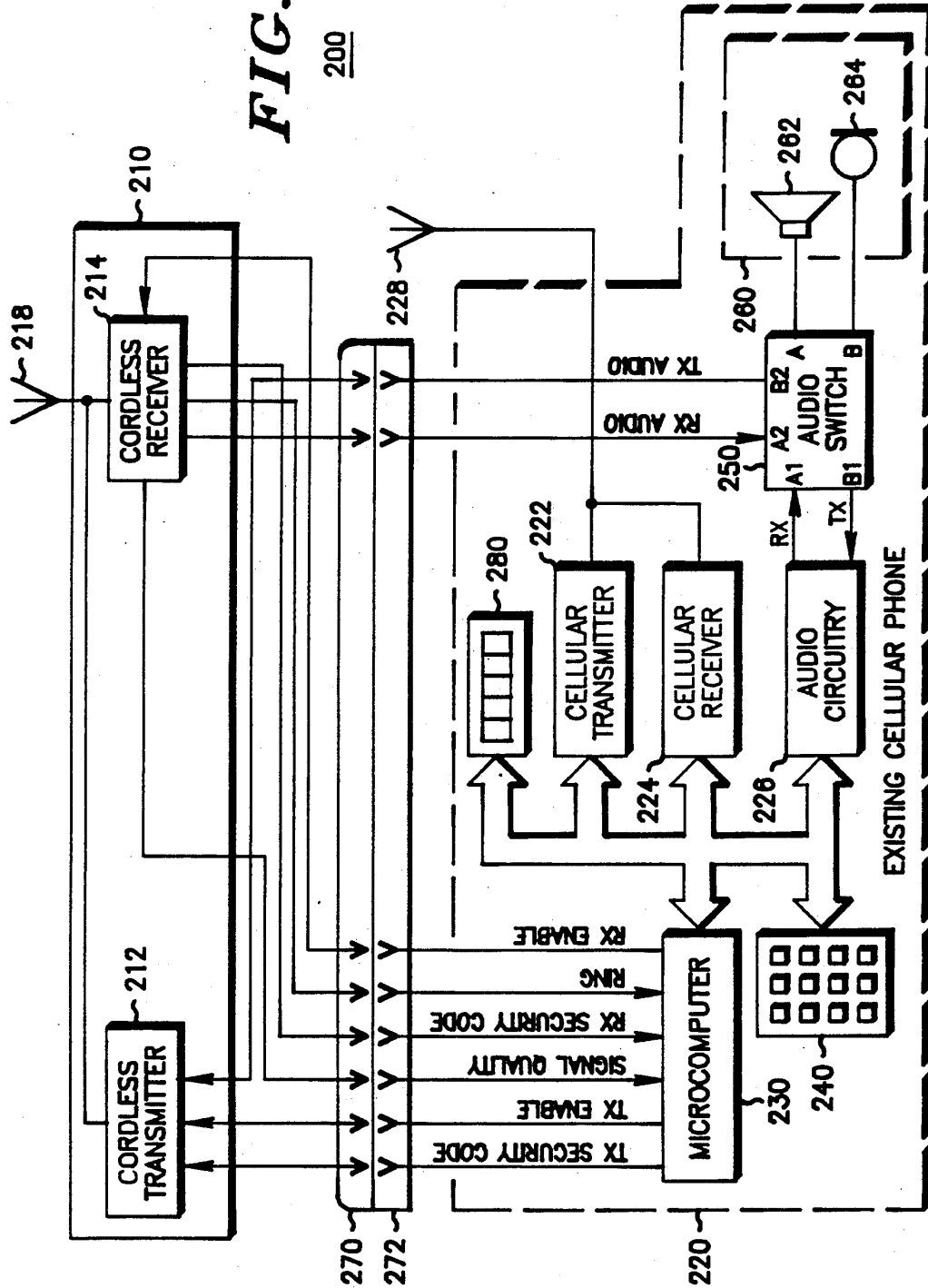


FIG. 5

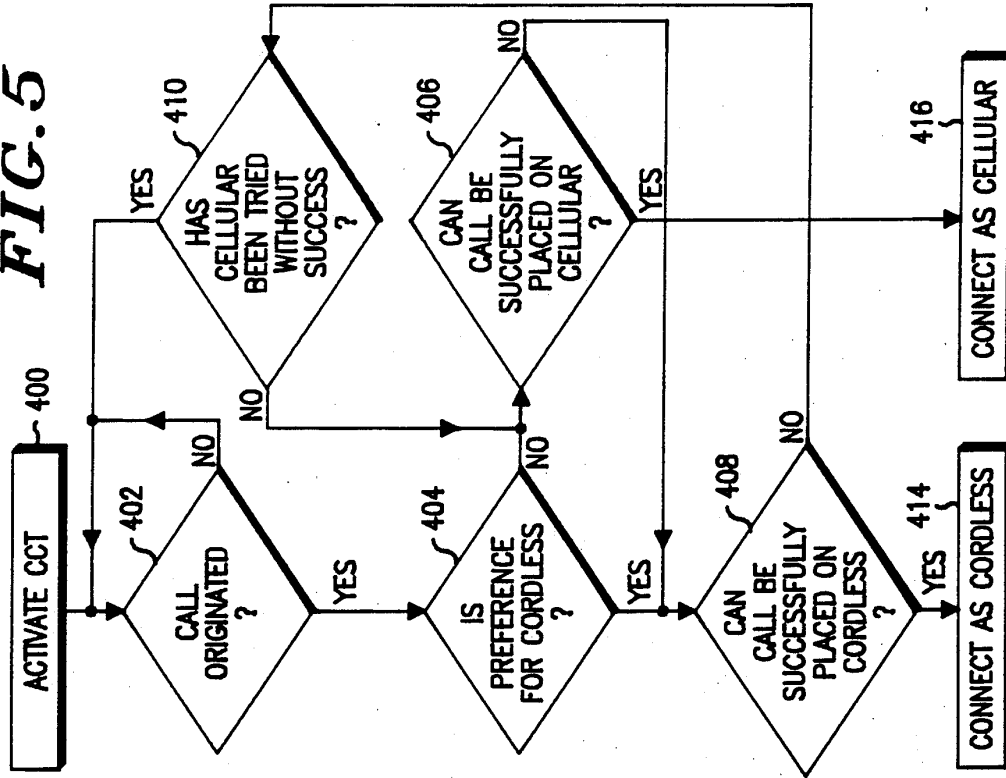
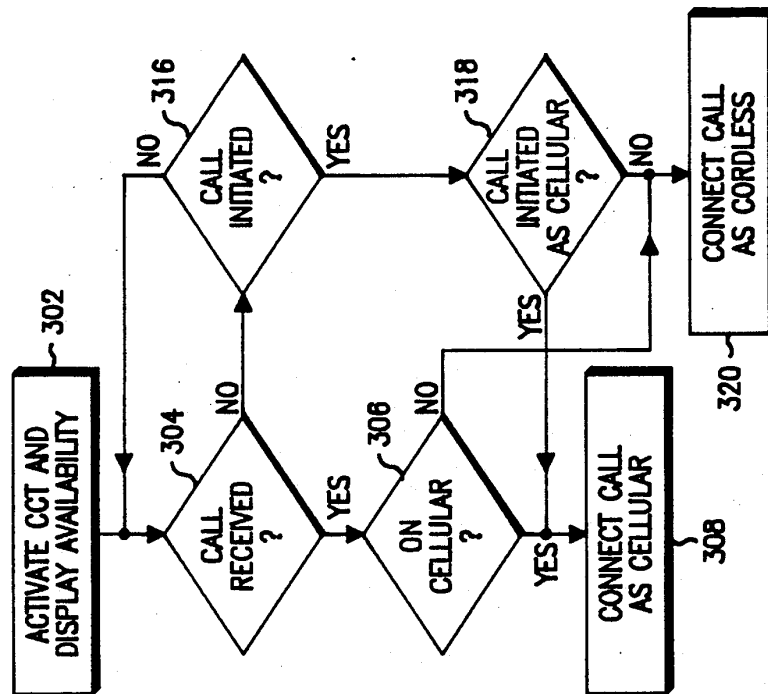


FIG. 4



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