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# United States Patent [19]

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Perry et al.

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[54] **WIRELESS COMMUNICATION DEVICE ADAPTED TO GENERATE A PLURALITY OF DISTINCTIVE TACTILE ALERT PATTERNS**

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[51] Int. Cl.<sup>7</sup> ..... **H04Q 7/00**

[52] U.S. Cl. .... **340/825.44**; 340/825.46

[58] Field of Search ..... 340/825.19, 825.44,  
340/825.46, 825.47, 825.48, 407.1, 407.2,  
311.1; 379/52; 434/112, 114, 116

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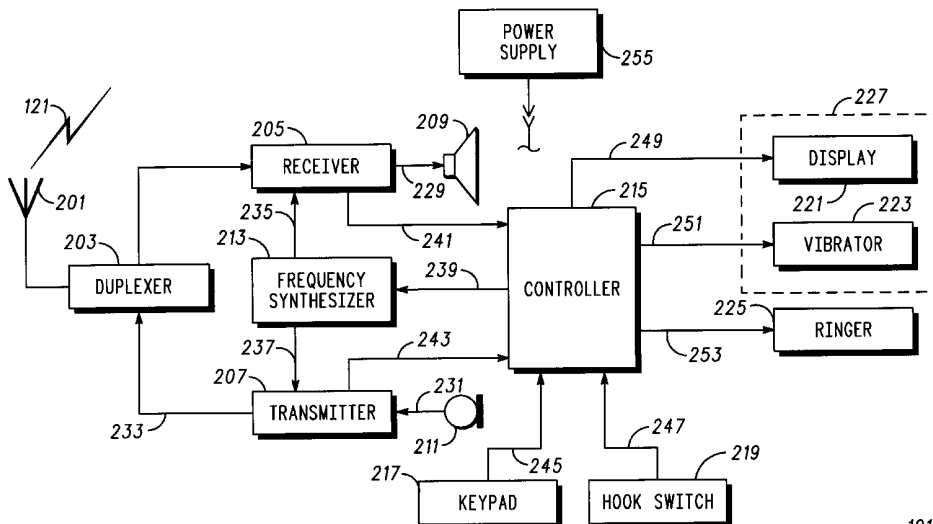
Primary Examiner—Michael Horabik

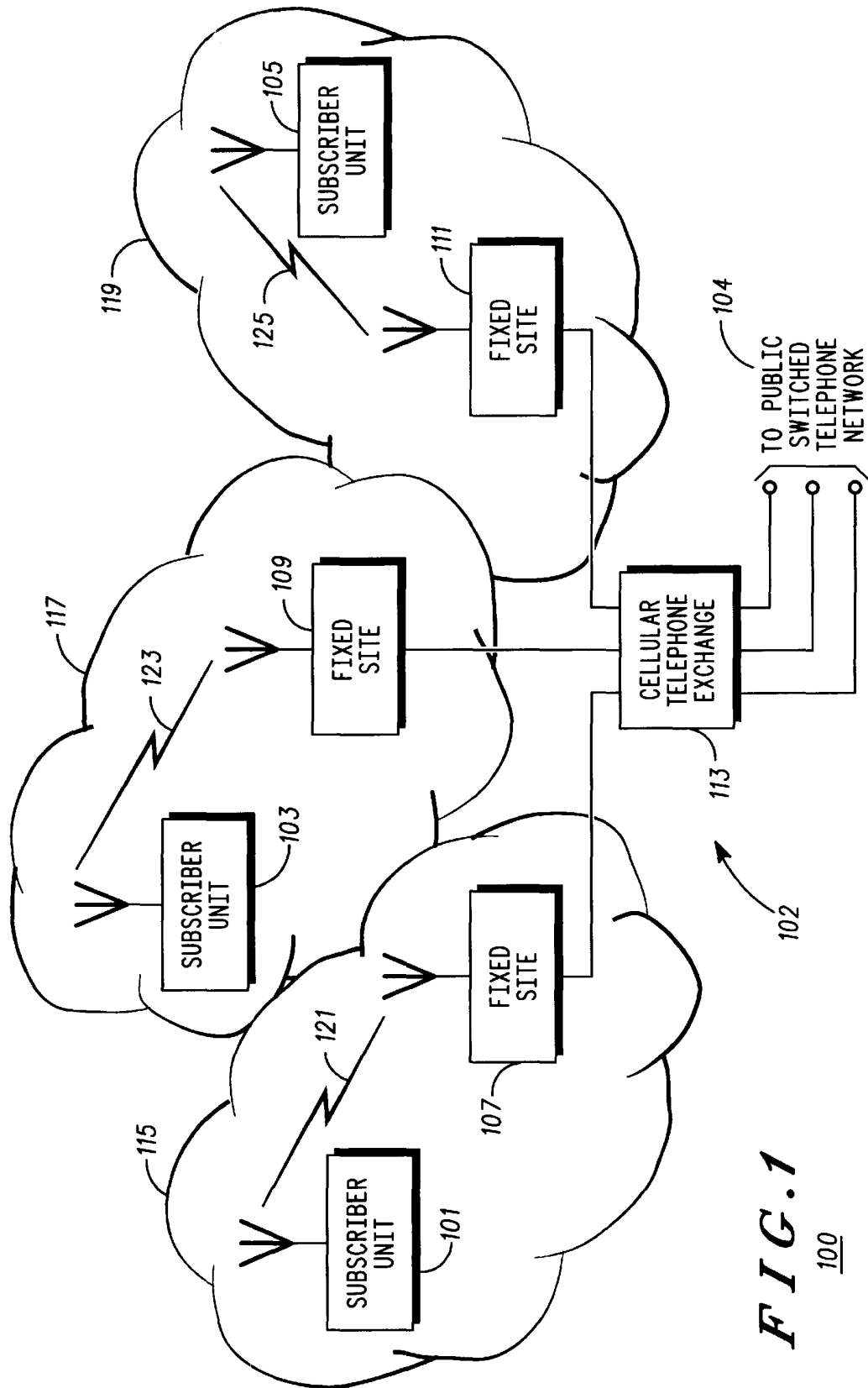
Attorney, Agent, or Firm—Kevin D. Kaschke; Sylvia Chen

[57] **ABSTRACT**

A radiotelephone (101) is adapted to generate a plurality of distinctive vibrating alert patterns. An antenna (201) receives radio frequency (RF) signals including an incoming telephone call signal (121). A receiver (205), operably coupled to the antenna (201), receives the incoming telephone call signal (121). A vibrating alert generator (223) generates a vibrating alert pattern when enabled. A controller (215), operably coupled to the receiver (205) and the vibrating alert generator (223), enables the vibrating alert generator (223) to generate the vibrating alert pattern (301) as one of a plurality of distinctive vibrating alert patterns (301-312) when the incoming telephone call signal (121) is received. The present invention advantageously permits the user or the radiotelephone system (100) to select a preferred distinctive vibrating alert pattern (301), or to assign a particular distinctive vibrating alert pattern (301) to a particular incoming telephone call signal (121).

**2 Claims, 4 Drawing Sheets**





**FIG. 1**  
100

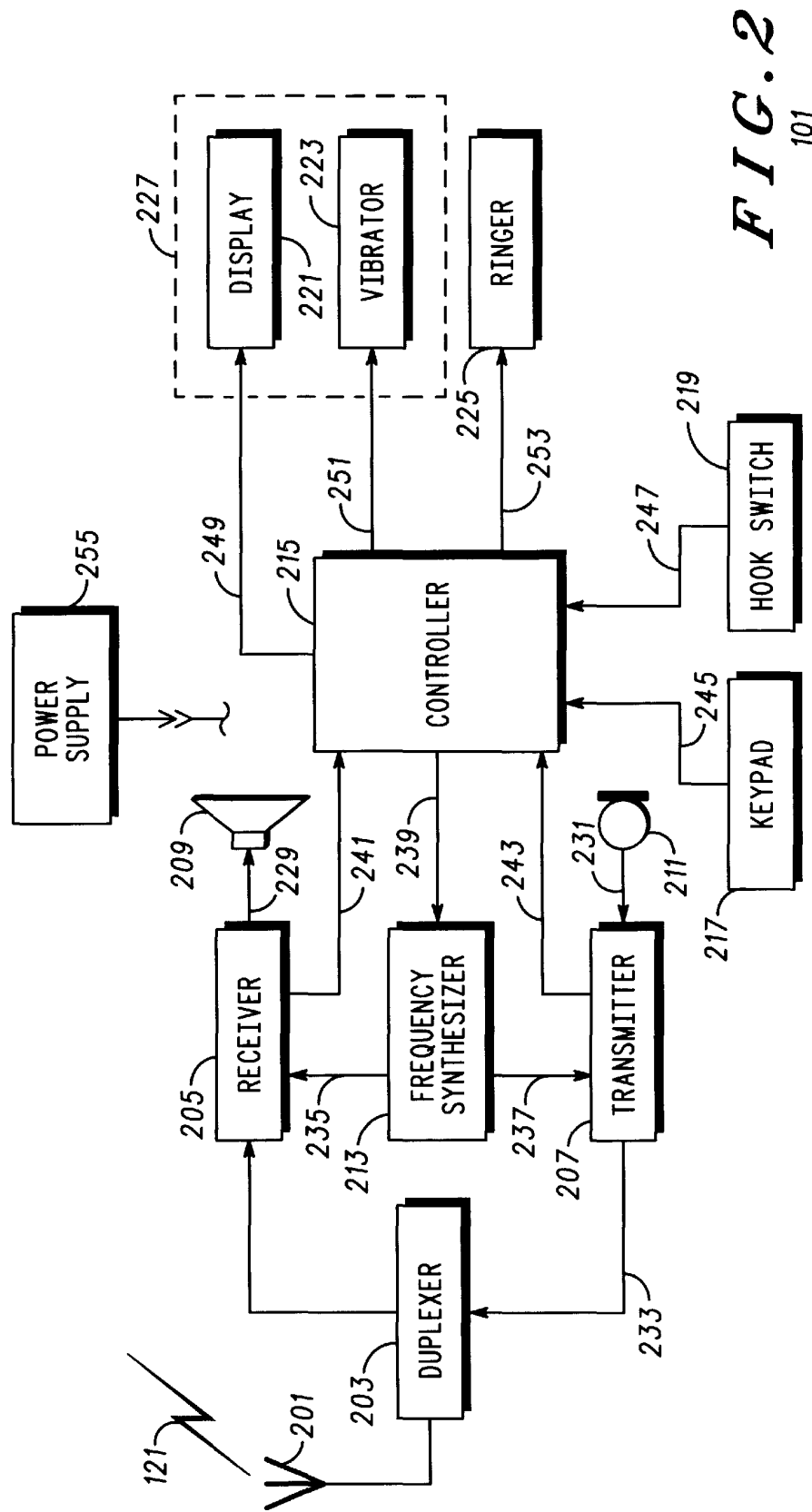


FIG. 2  
101

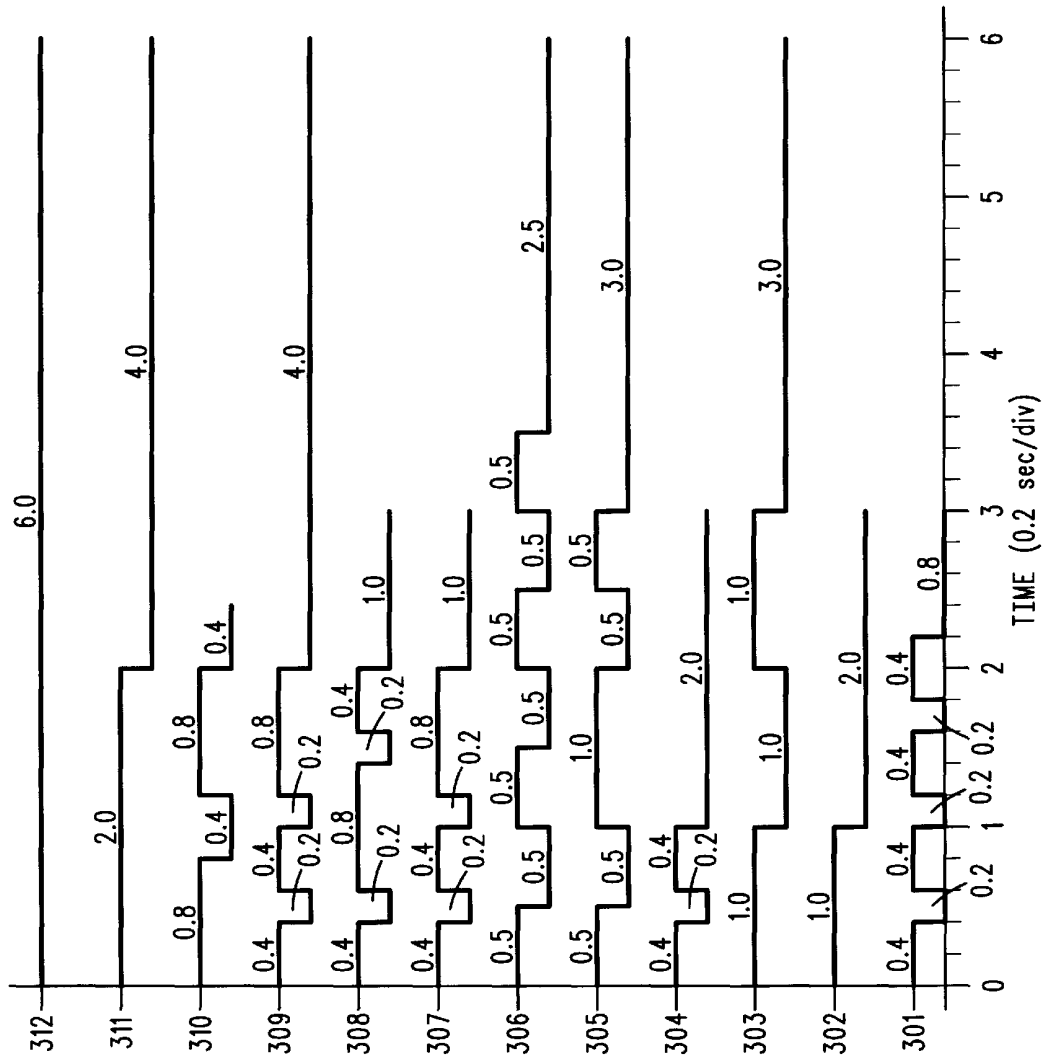


FIG. 3

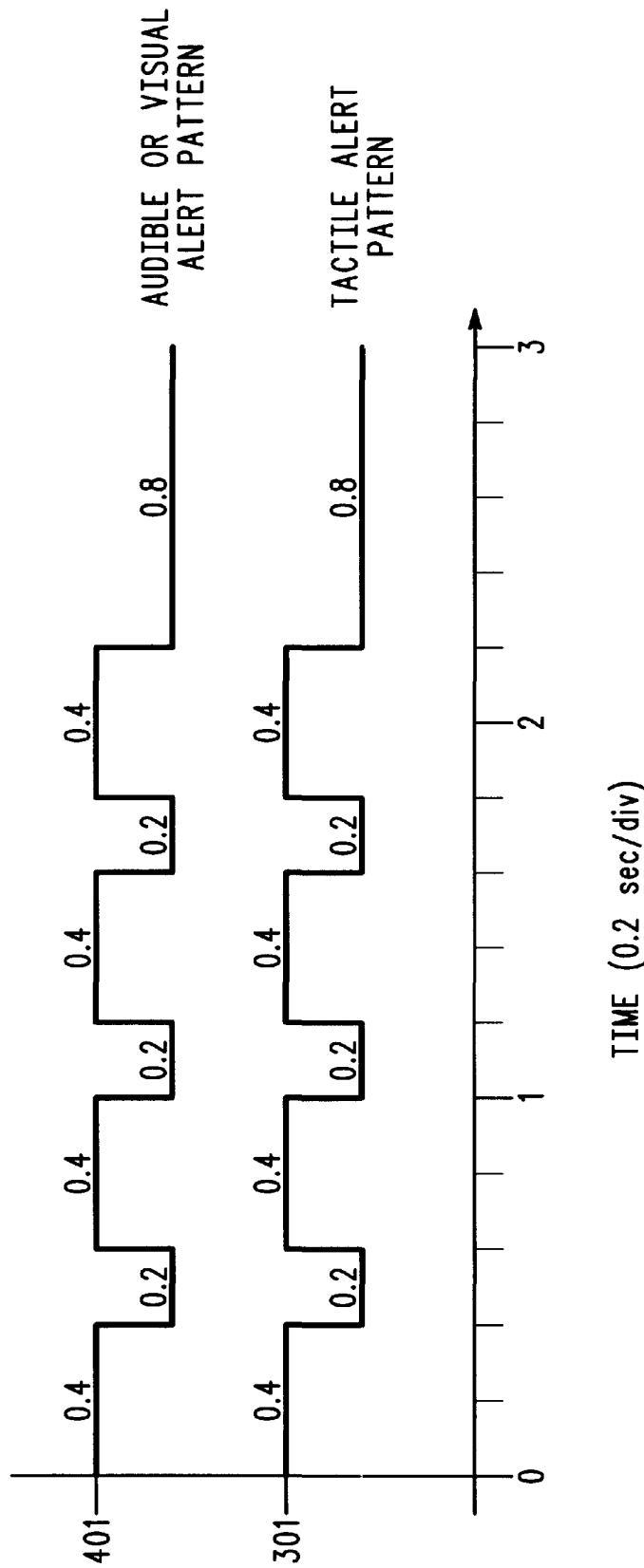


FIG. 4

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