

[54] METHOD AND APPARATUS FOR GENERATING COMPUTER-CONTROLLED INTERACTIVE VOICE SERVICES

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[52] U.S. Cl. 364/513.5; 364/300

[58] Field of Search 379/93, 91; 381/51-53; 364/513.5, 300, 456, 516

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[57] ABSTRACT

A user-application program for computerized telephone ordering is generated by a system designer who selects and interconnects pre-defined program modules and subroutines using a graphics terminal. The application program allows TOUCH-TONE input data and voice response. The present invention describes a Dialog Production System (DPS) for generating application programs for instructing a computer-controlled voice response system to provide computer-controlled voice services. The DPS includes interaction modules, each defining a basic end-user transaction which can be performed by the system, and methods for specifying module interconnection. Each interaction module controls the intercommunications with other modules and controls the devices which interface to the system. To design a dialog program to implement the desired voice service the system designer uses a graphic terminal to select and interconnect the modules to define the sequence of transactions needed to implement the desired voice service.

9 Claims, 24 Drawing Sheets

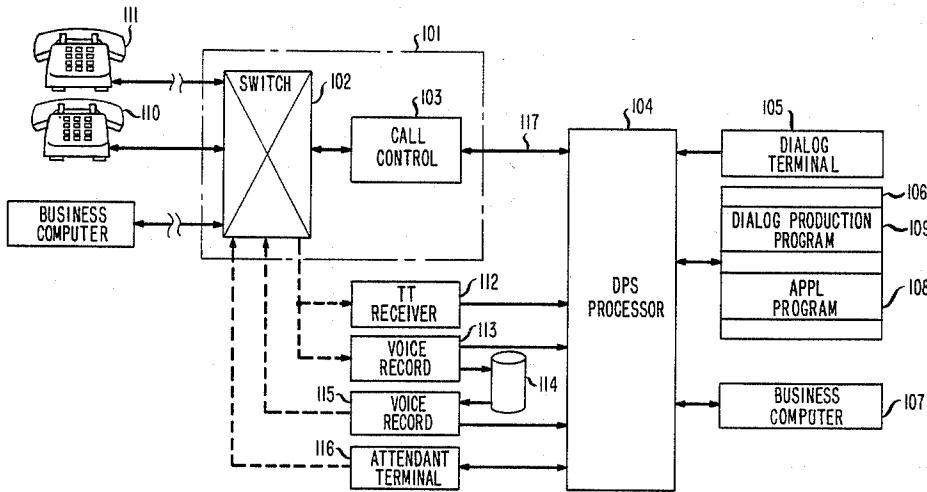


FIG. 1

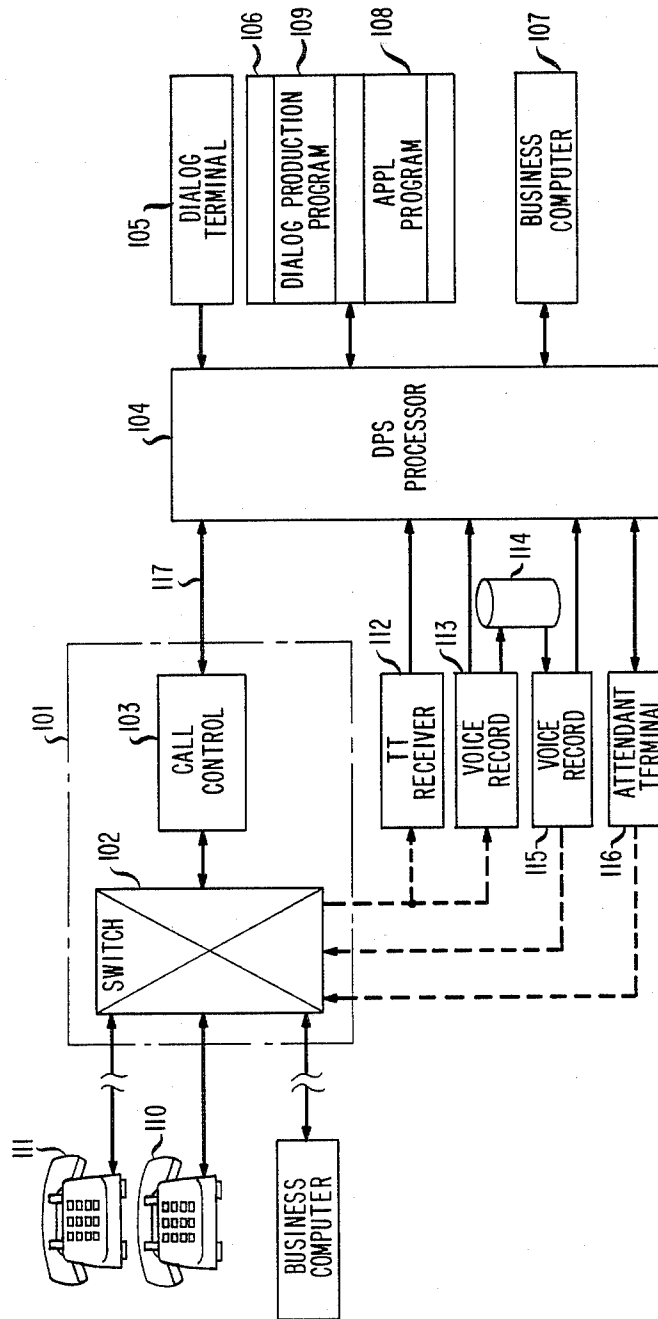


FIG. 2

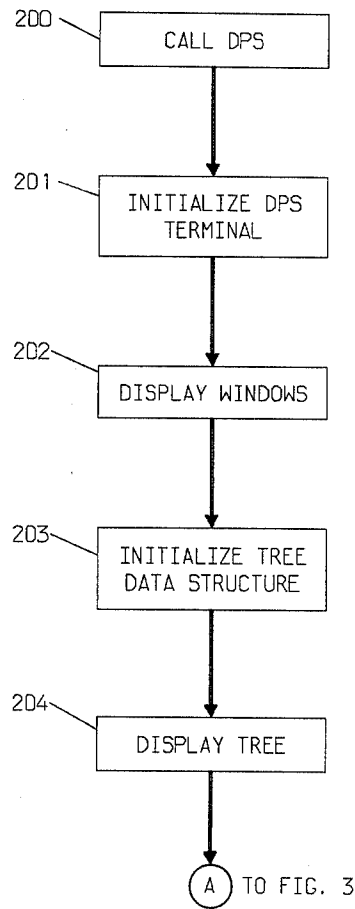


FIG. 3

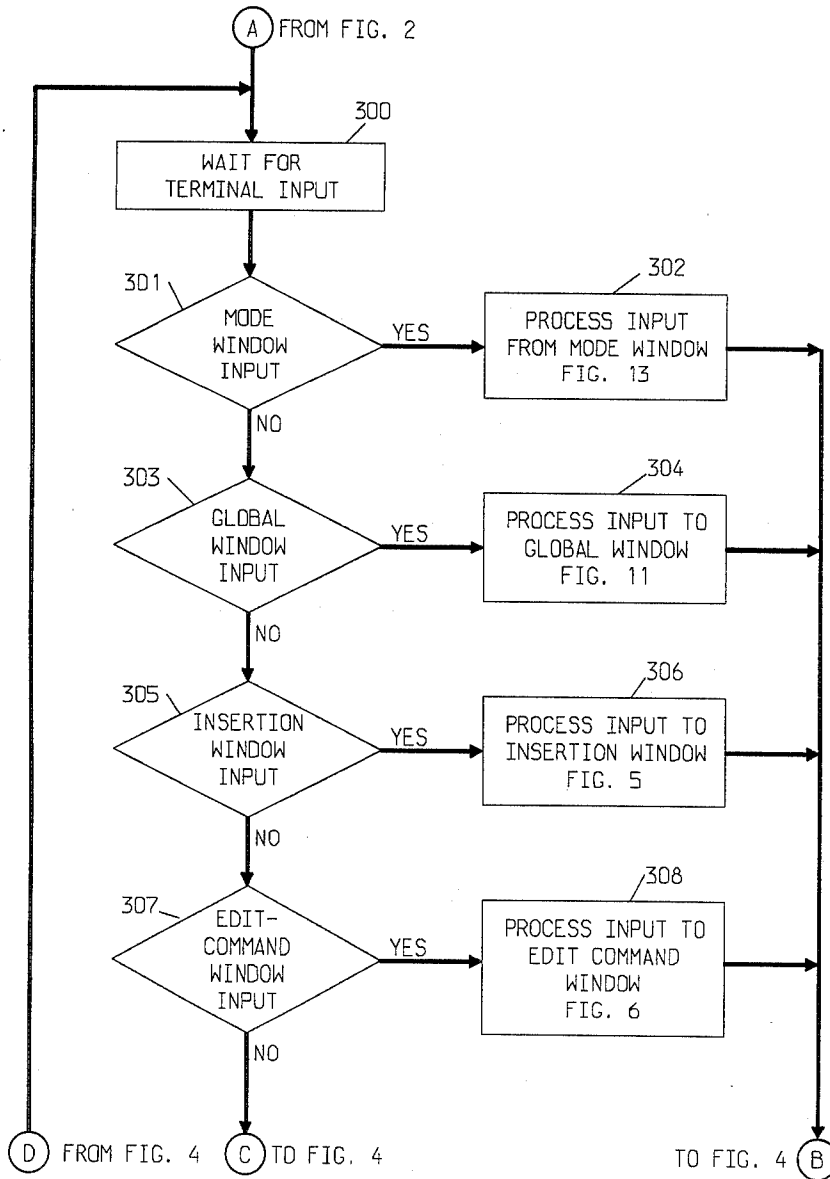
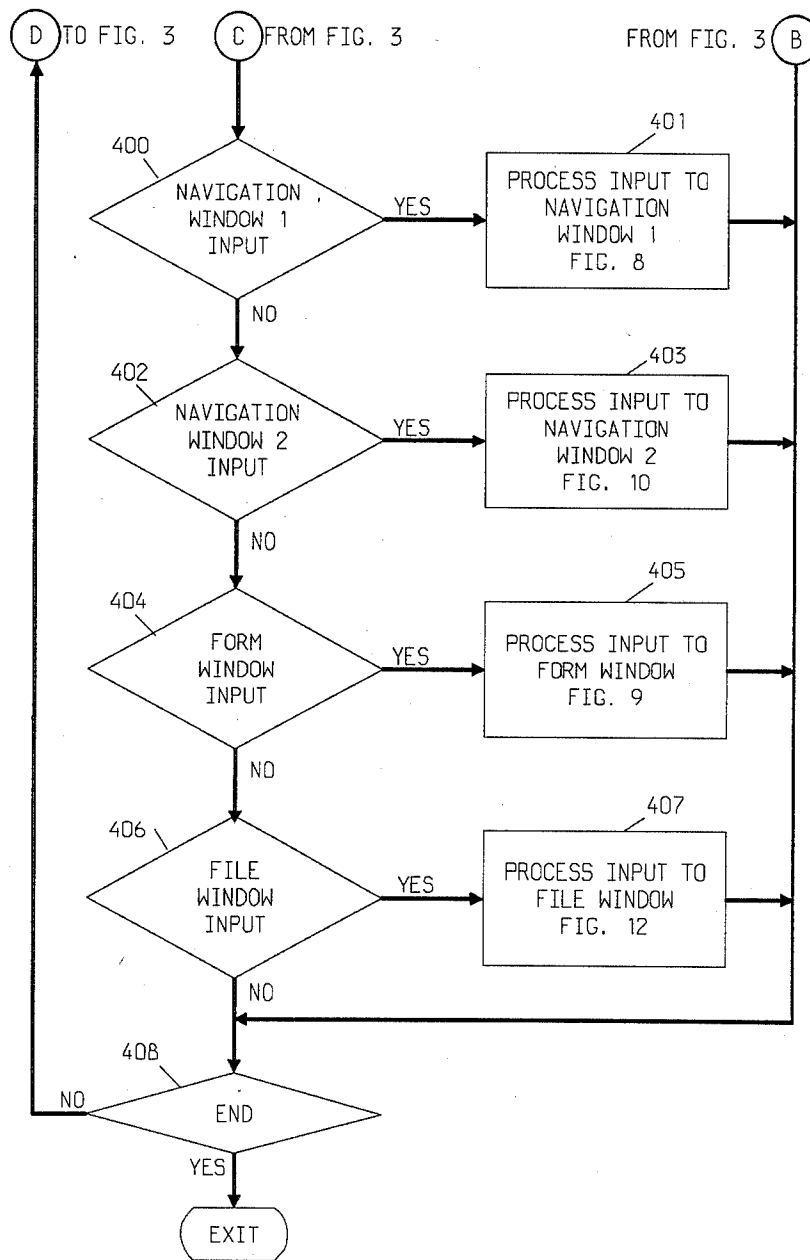


FIG. 4



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