



US005614906A

United States Patent [19]**Hayes et al.**[11] **Patent Number:** **5,614,906**[45] **Date of Patent:** **Mar. 25, 1997**[54] **METHOD FOR SELECTING A REMOTE CONTROL COMMAND SET**[75] Inventors: **Patrick H. Hayes**, Mission Viejo;
Kimthoa T. Nguyen, Yorba Linda, both
of Calif.[73] Assignee: **Universal Electronics Inc.**, Twinsburg,
Ohio[21] Appl. No.: **636,666**[22] Filed: **Apr. 23, 1996**[51] Int. Cl.⁶ **G08C 19/12**[52] U.S. Cl. **341/176; 340/825.37; 340/825.69;**
340/825.72; 359/148; 379/102[58] **Field of Search** 341/176, 173,
341/174, 175, 23; 348/734; 359/148; 364/709.14,
709.15, 709.16; 379/102; 340/825.37, 825.69,
825.72[56] **References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—Jeffery Hofsass*Assistant Examiner*—Andrew Hill*Attorney, Agent, or Firm*—Thomas R. Vigil; Gary Jarosik;
Mark R. Galis[57] **ABSTRACT**

A method for selecting a command set from a group of command sets stored in the remote control. Each remote control command set includes a set of commands for operating at least one of various remotely controllable devices. A command, whose effect is observable in the remotely controlled device is assigned to one of the user actuated keys. The keys are pressed one by one until the user observes the desired effect on the remotely controlled device. The user then signals the remote control to exit the select procedure with the remote control setting the remote control to transmit future commands from the command set including the last transmitted effects observable command having the observed desired effect.

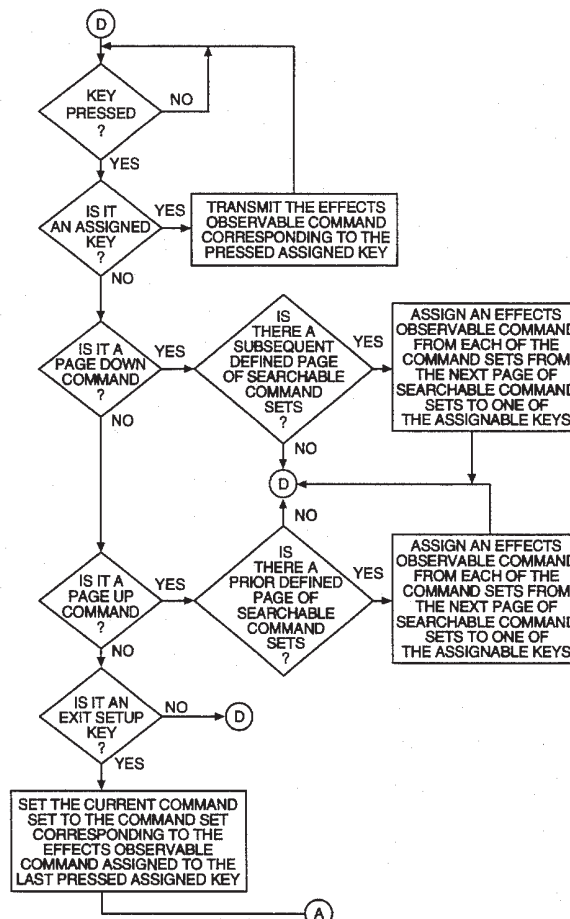
16 Claims, 6 Drawing Sheets

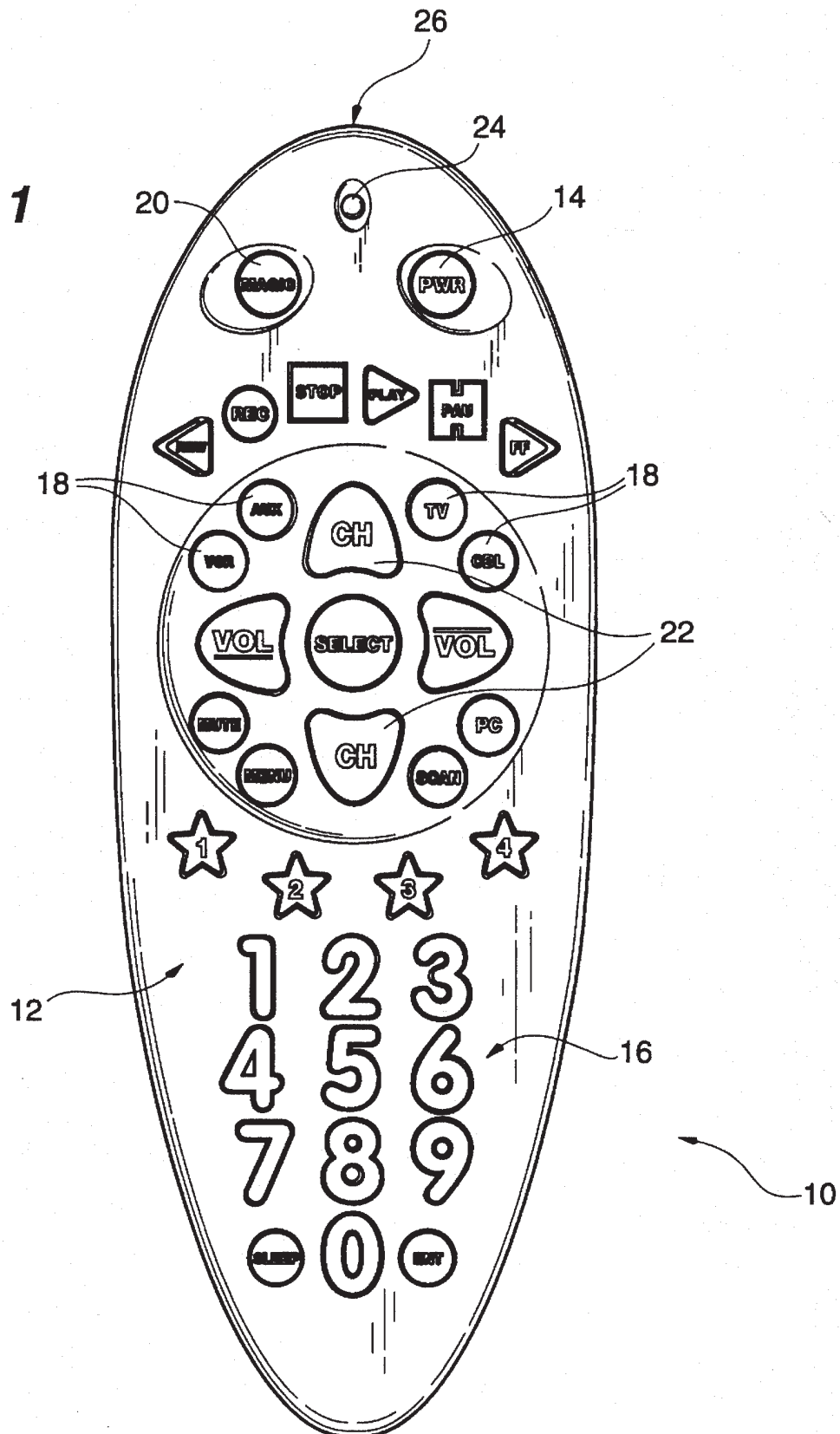
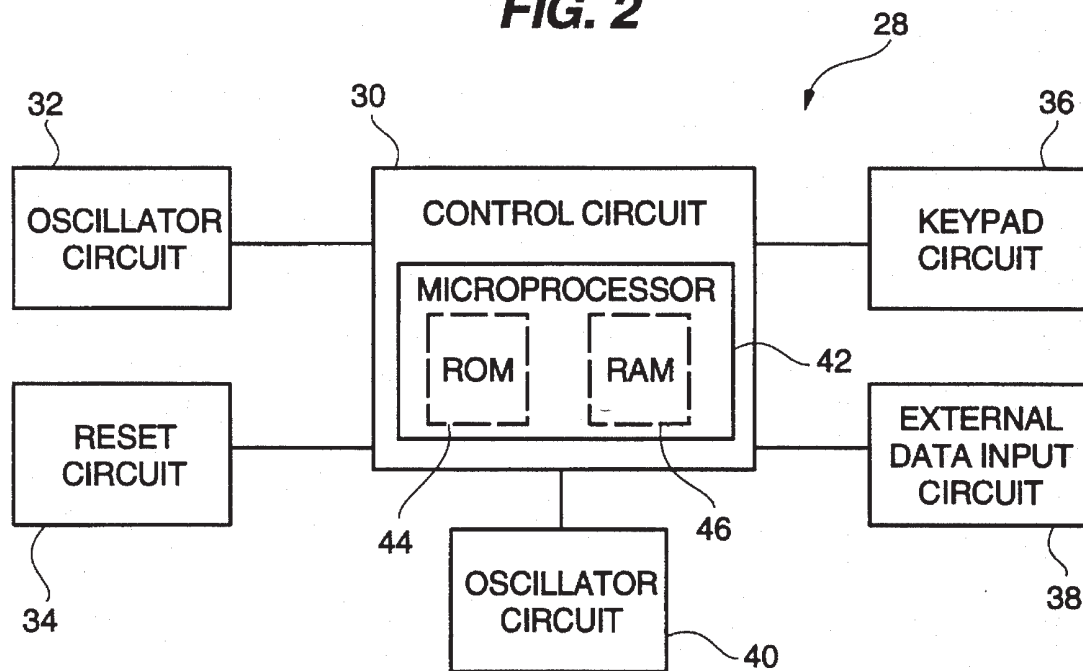
FIG. 1

FIG. 2

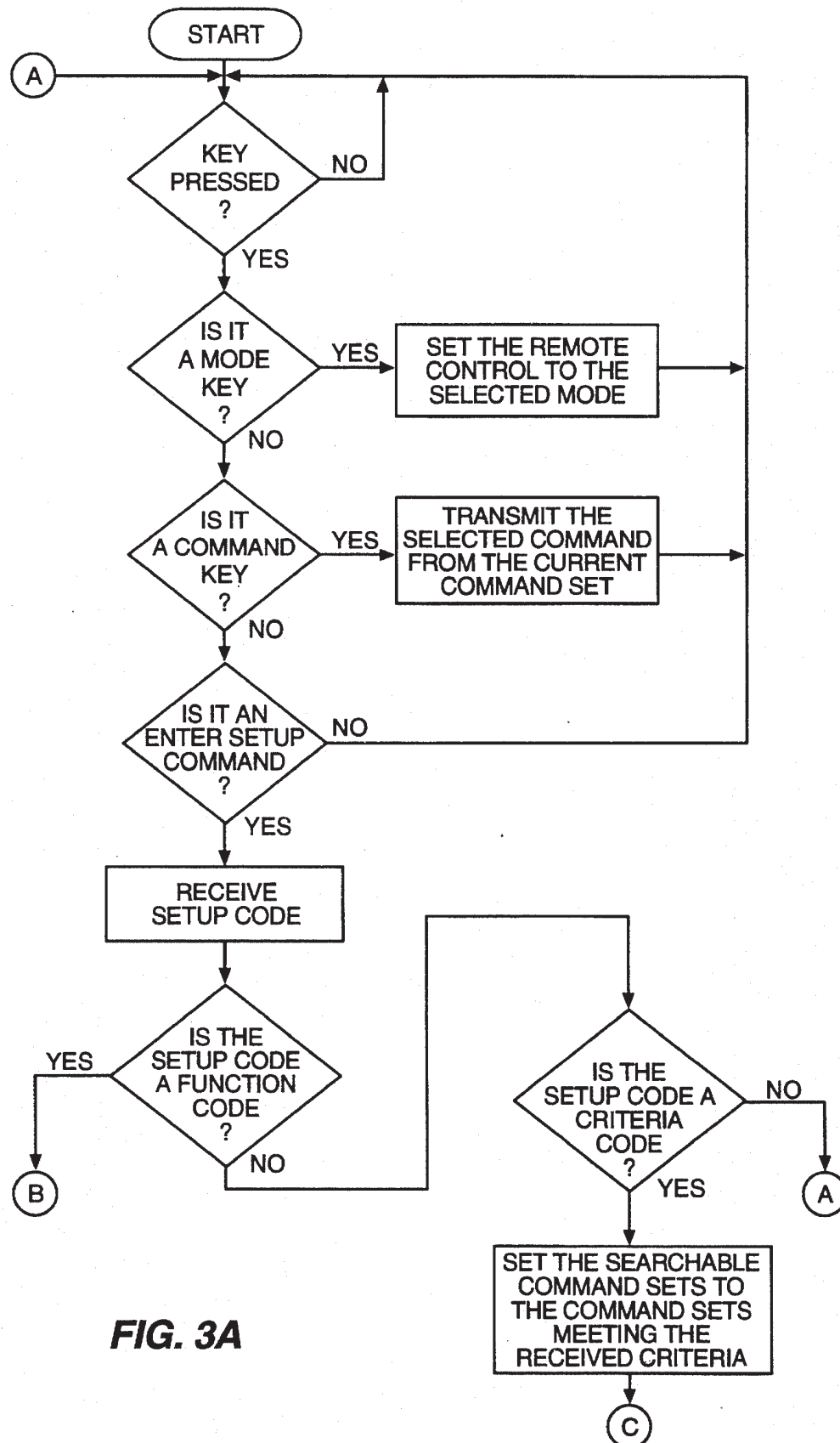
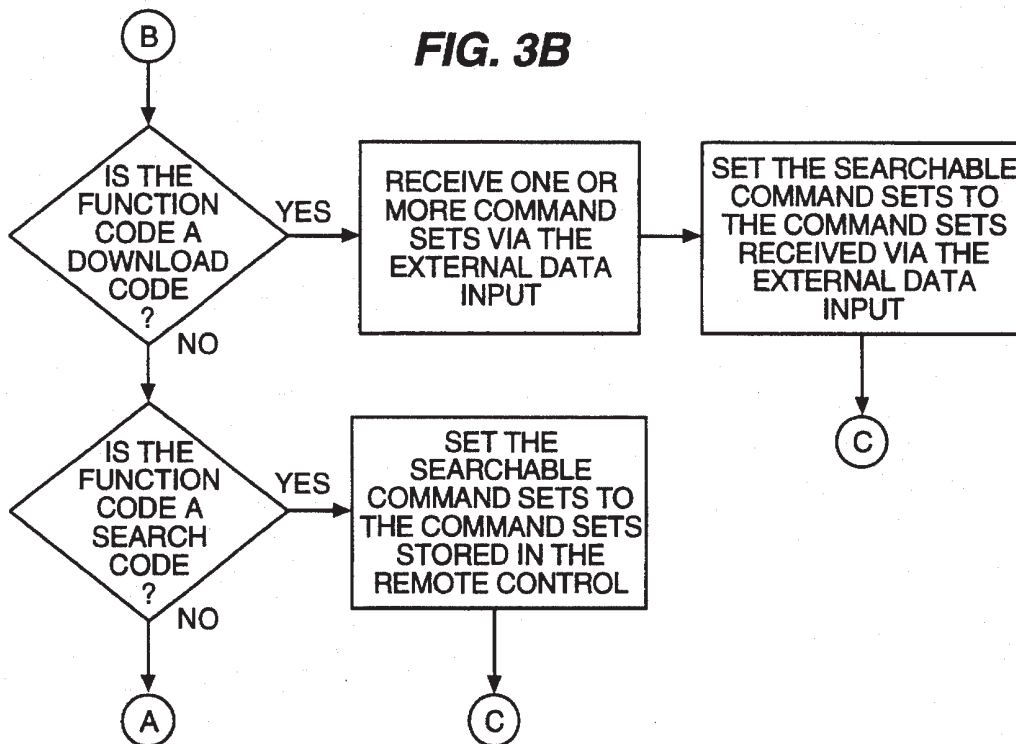
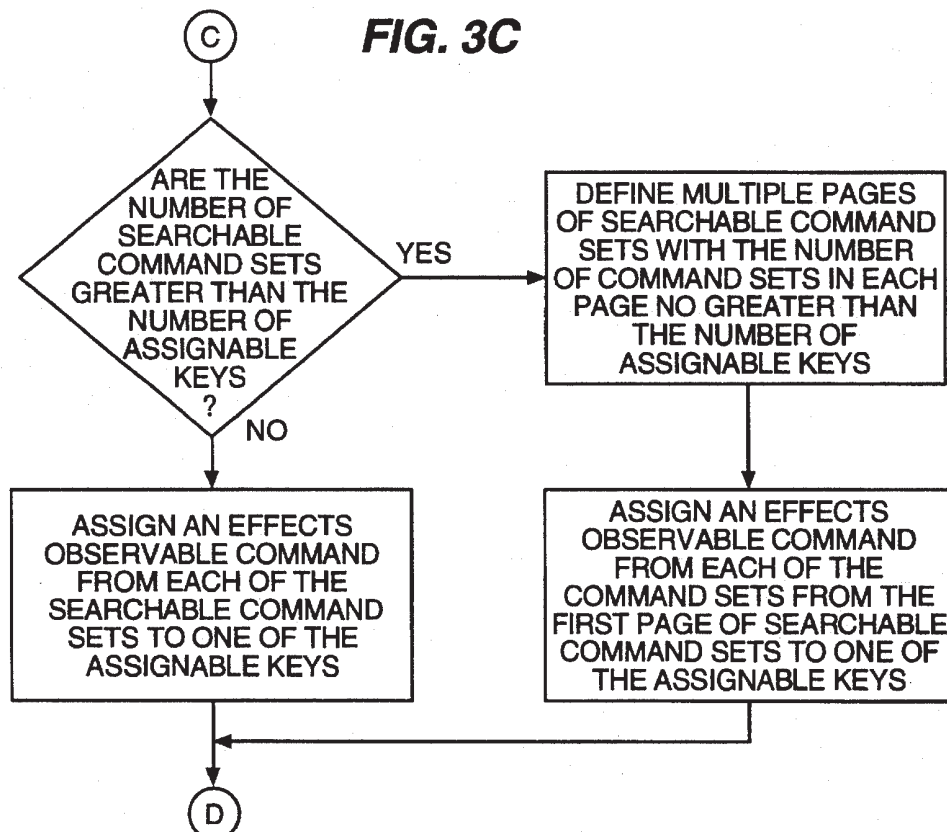
**FIG. 3A**

FIG. 3B**FIG. 3C**



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