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United States Patent [19]

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Darbee

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[54] **PDA HAVING A SEPARATE INFRARED GENERATING DEVICE CONNECTED TO ITS PRINTER PORT FOR CONTROLLING HOME APPLIANCES**

[75] Inventor: **Paul Vernon Darbee**, Santa Ana, Calif.

[73] Assignee: **Universal Electronics Inc.**, Cypress, Calif.

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Related U.S. Application Data

[63] Continuation of Ser. No. 37,619, Mar. 24, 1993, abandoned.

[51] Int. Cl.⁶ **G06F 13/00**

[52] U.S. Cl. **395/892; 395/882; 395/825; 395/833; 395/280; 341/176; 455/151.2**

[58] Field of Search 395/280, 281, 395/200.01, 887, 893, 892, 882, 825, 833; 364/709.12; 341/176; 455/151.2

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Primary Examiner—Thomas C. Lee

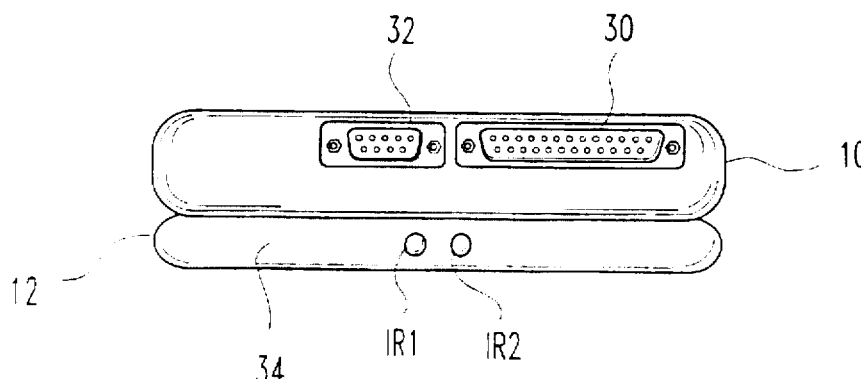
Assistant Examiner—Ki S. Kim

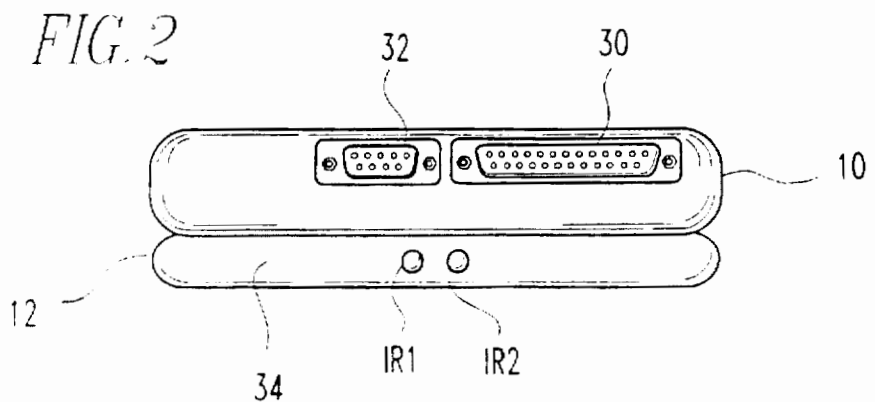
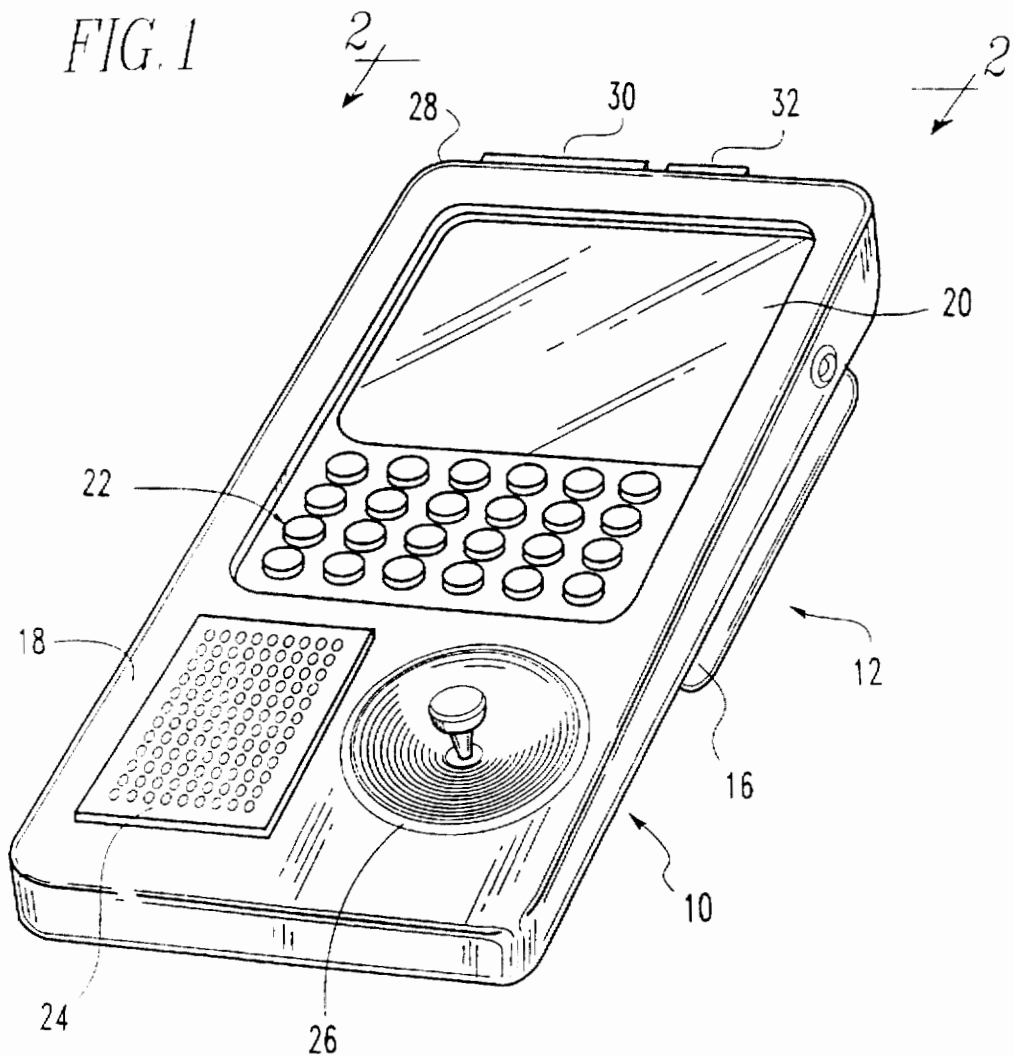
Attorney, Agent, or Firm—Mark R. Galis; Gary R. Jarosik

[57] ABSTRACT

According to the present invention there is provided an infrared code generating and transmitting device adapted to be coupled to or incorporated in a microcomputer system, commonly referred to as a personal digital assistant (PDA). The IR code generating and transmitting device comprises a CPU separate or incorporated into the microcomputer system of the PDA; a memory separate or incorporated into the microcomputer system; an LED output; LED driver circuitry coupled between the CPU and the LED output; an interface connector; an interface buffer circuit coupled between the interface connector and the CPU; and an interface data buffer circuit coupled by data lines between the interface connector and the CPU.

3 Claims, 7 Drawing Sheets





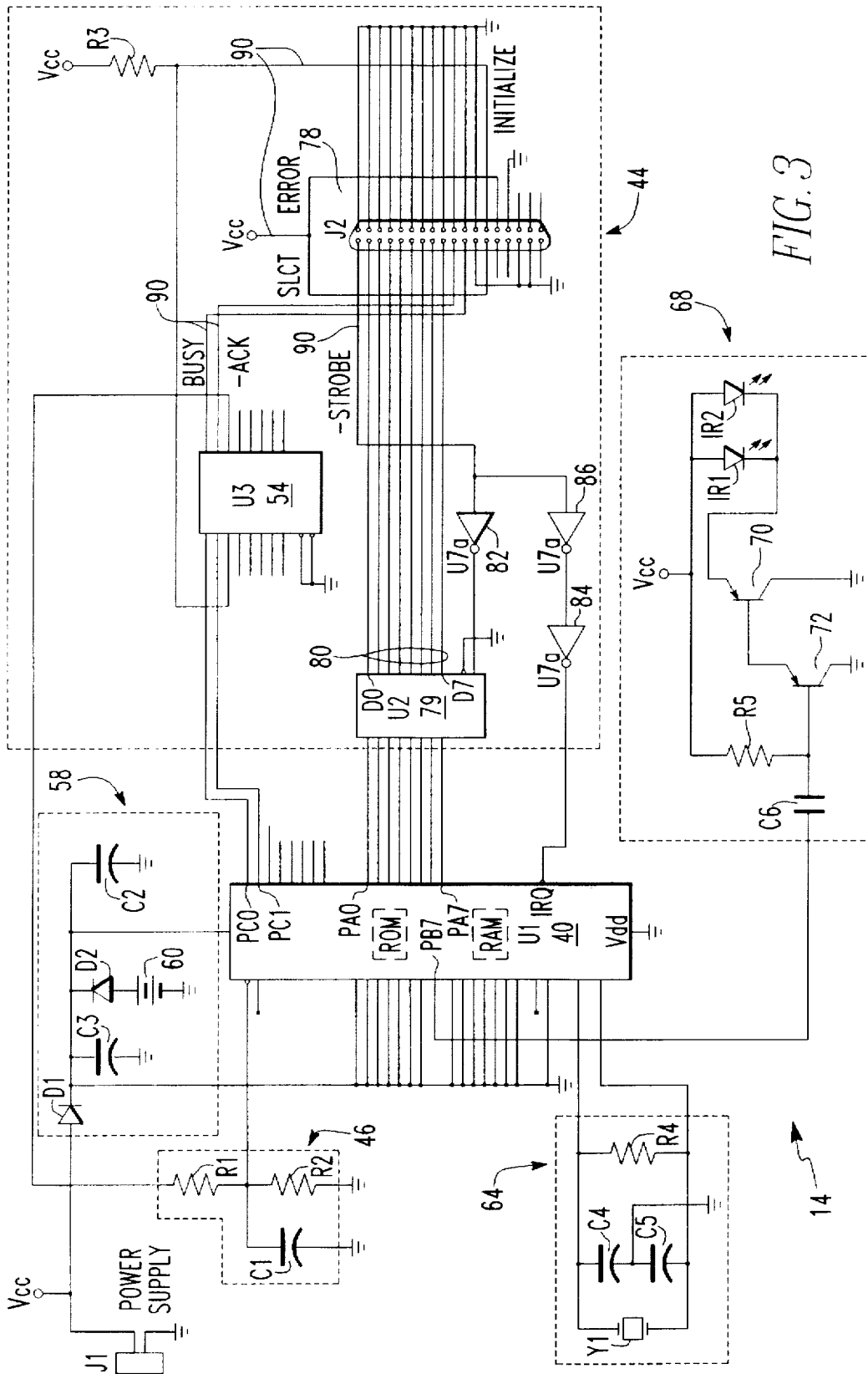


FIG. 3

FIG. 4

RESET / INITIALIZATION SEQUENCE

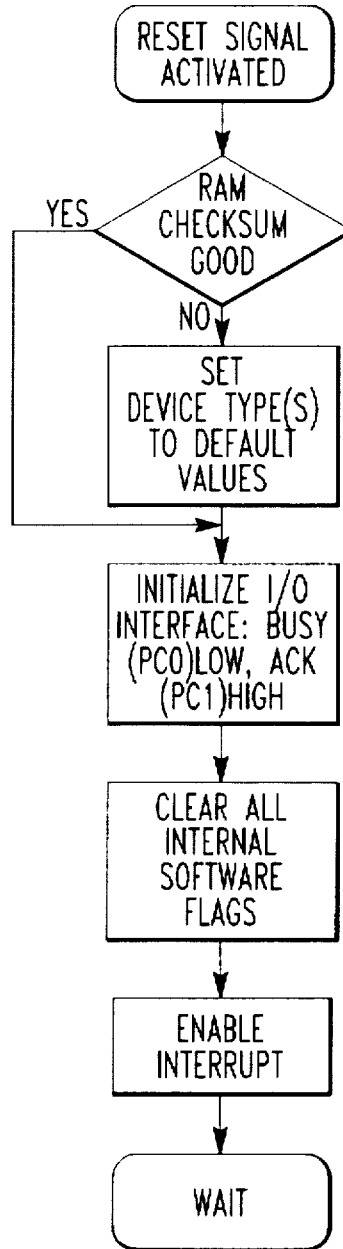
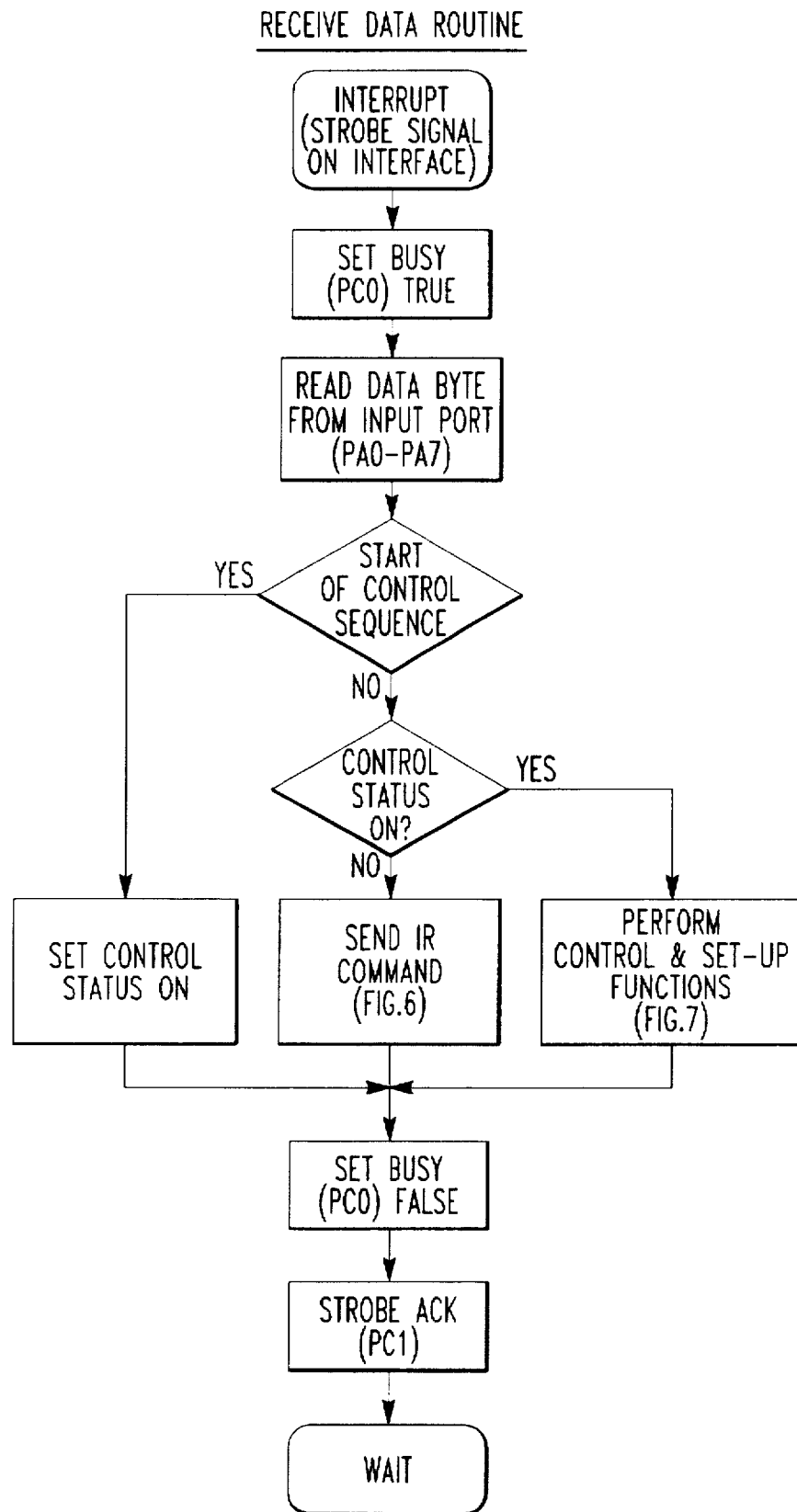


FIG. 5



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