

- [54] **OPERATING DEVICE AND IMAGE PROCESSING SYSTEM USING SAME**
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- [52] **U.S. Cl.** ..... **345/157; 345/156; 345/161; 463/38; 463/44**
- [58] **Field of Search** ..... **345/156-162; 463/36-47; 273/148 B**

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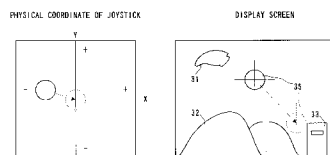
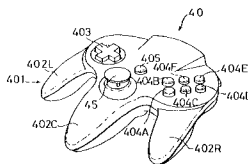
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*Assistant Examiner*—David L. Lewis  
*Attorney, Agent, or Firm*—Nixon & Vanderhye P.C.

[57] **ABSTRACT**

An operating device is connected to an image processing apparatus that generates image data to be displayed on a display according to a program. The operating device supplies a signal for varying the image data to be generated by the image processing apparatus. A joystick includes a lever and a disc interlocked therewith, and the rotation of the disc is detected by a photo-interrupter. Pulses from the photo-interrupter are counted by a resettable counter. A reset signal is supplied to the counter when three buttons are simultaneously depressed, when a power supply is turned on, or otherwise when a signal is received from a CPU of the image processing apparatus.

**40 Claims, 28 Drawing Sheets**



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FIG. 1

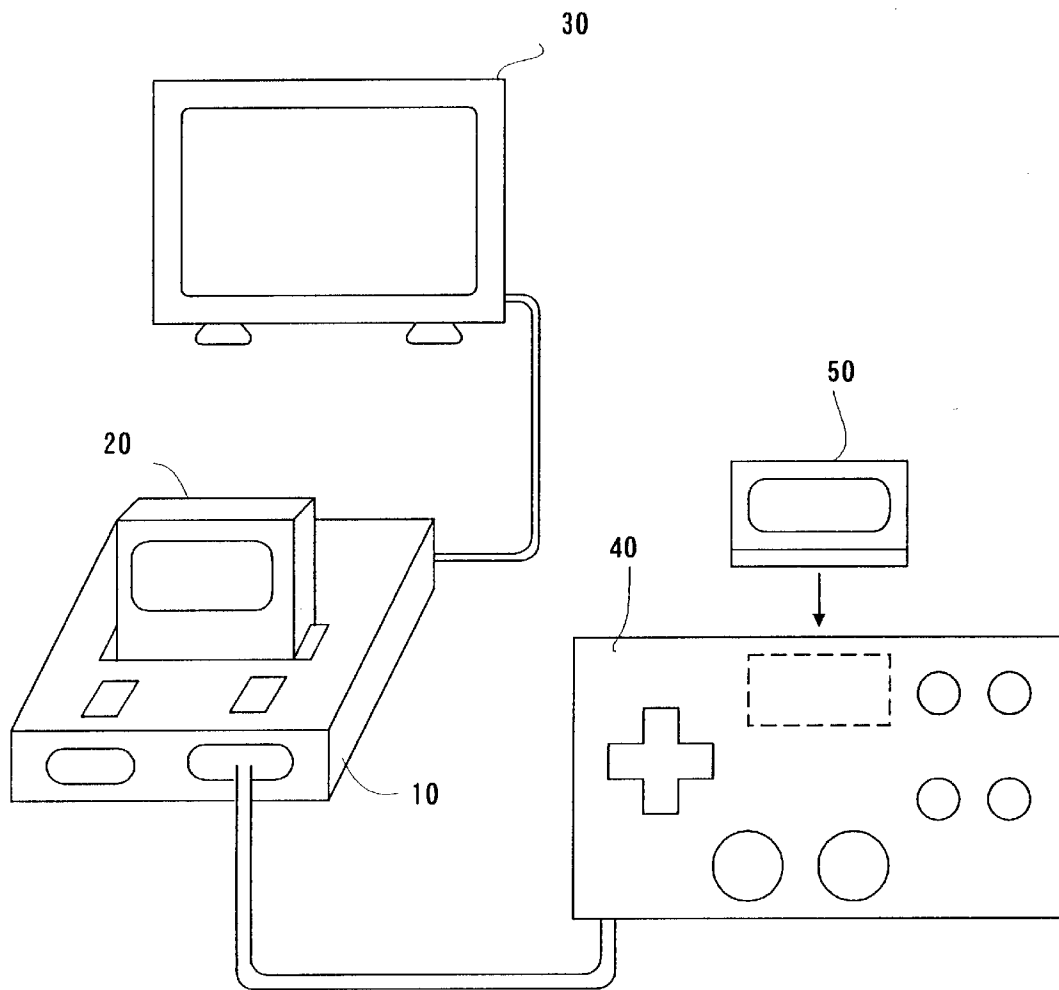


FIG. 2

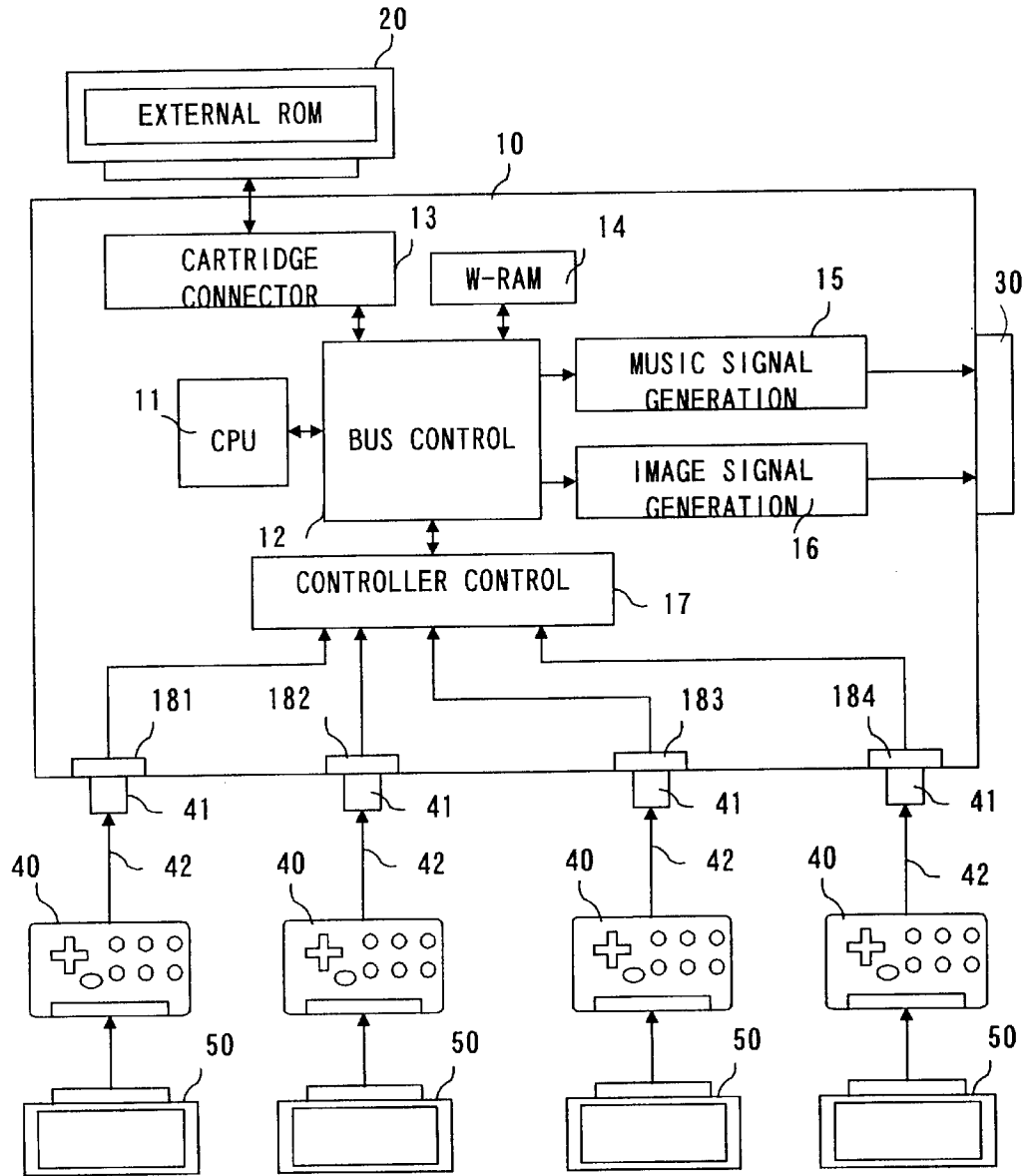
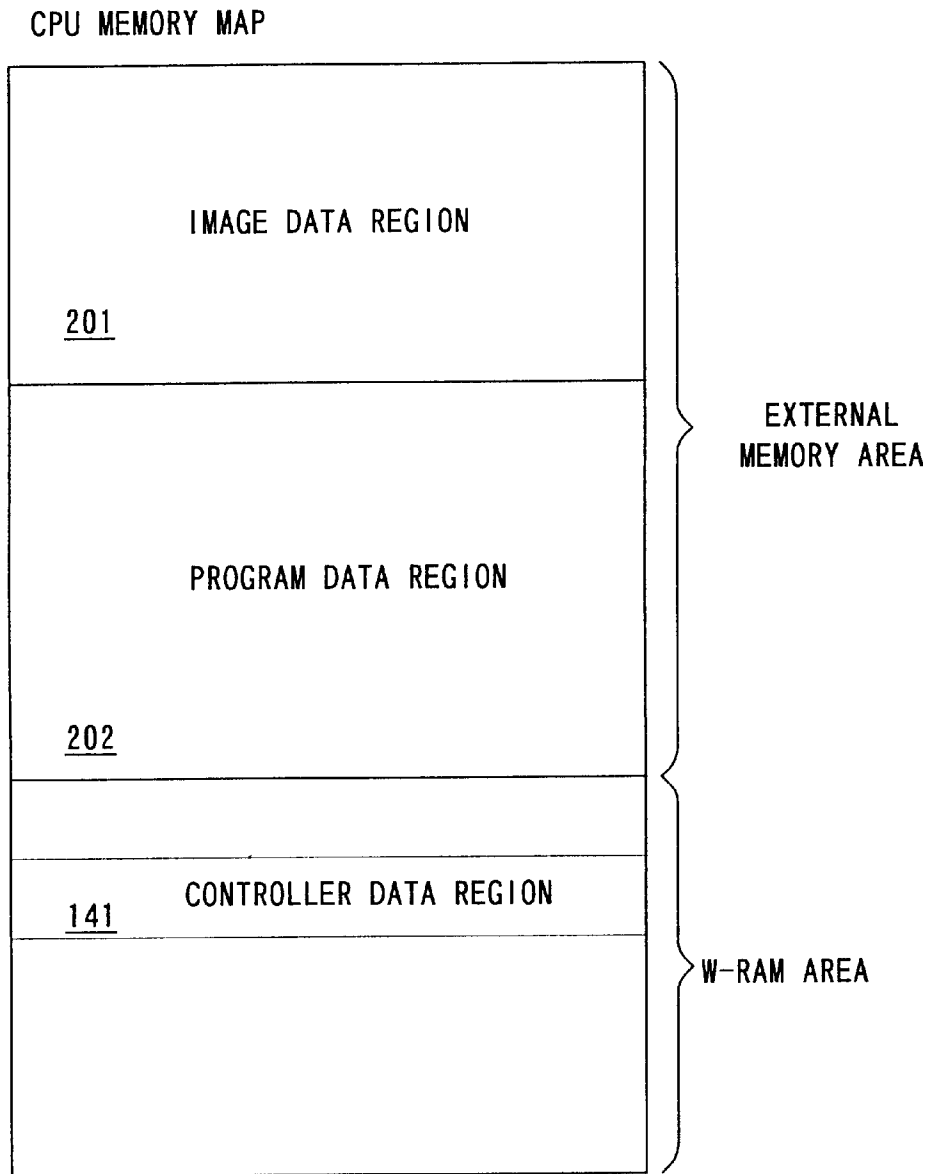


FIG. 3



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