

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

**PRIME WIRE & CABLE, INC.** )  
)  
**Petitioner,** )  
)  
**v.** )  
)  
**CANTIGNY LIGHTING** )  
**CONTROL, LLC.** )  
)  
**Patent owner** )  
)  
**JASCO PRODUCTS, INC.** )  
)  
**Licensee** )

**Case: IPR2018-01592  
Patent No.: 9,320,122**

**EXHIBIT 1045**



US007058479B2

(12) **United States Patent**  
**Miller**

(10) **Patent No.:** **US 7,058,479 B2**  
(45) **Date of Patent:** **Jun. 6, 2006**

(54) **IRRIGATION CONTROLLER**  
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Montreal, Quebec (CA) H3X 2K8  
(\* ) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **11/044,230**  
(22) Filed: **Jan. 28, 2005**

(65) **Prior Publication Data**  
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**Related U.S. Application Data**  
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30, 2004.

(51) **Int. Cl.**  
**G05D 7/00** (2006.01)  
(52) **U.S. Cl.** ..... **700/284; 239/69**  
(58) **Field of Classification Search** ..... **700/283,**  
**700/284, 15, 16, 17, 18, 19, 282; 239/63,**  
**239/69**  
See application file for complete search history.

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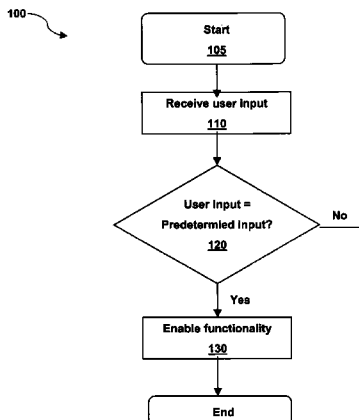
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*Primary Examiner*—Leo Picard  
*Assistant Examiner*—Charles Kasenge

(57) **ABSTRACT**

An irrigation controller for selectively turning on and off a set of sprinkler valve stations. The irrigation controller is programmable by a user. The irrigation controller includes an irrigation control processor. The irrigation control processor includes an input port, an output port, a memory element for storing an irrigation control program and irrigation control parameters, the irrigation control program implementing a plurality of functionalities that are selectively enabled, a processing unit for executing the irrigation control program, and a bus connecting said processing unit to said memory element and to said input and output ports. An input device is interfaced with the input port. The output port is provided with interface with the sprinkler valve stations for controlling the turning on and off of the sprinkler valve stations. The input device cooperates with the control program to enable at least one specific functionality from the functionalities in response to a predetermined input being received from the user through the input device.

**22 Claims, 8 Drawing Sheets**



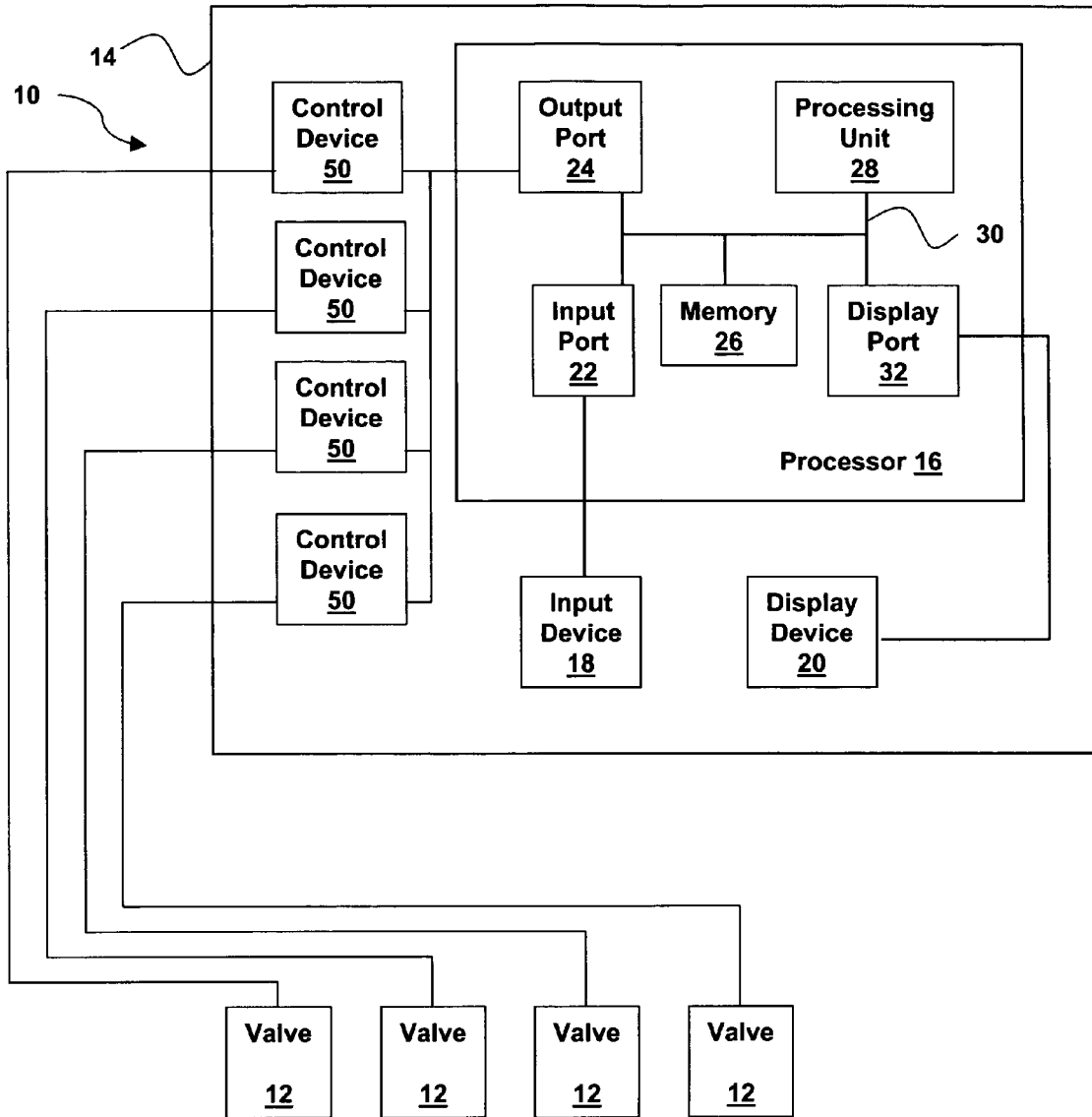


FIGURE 1

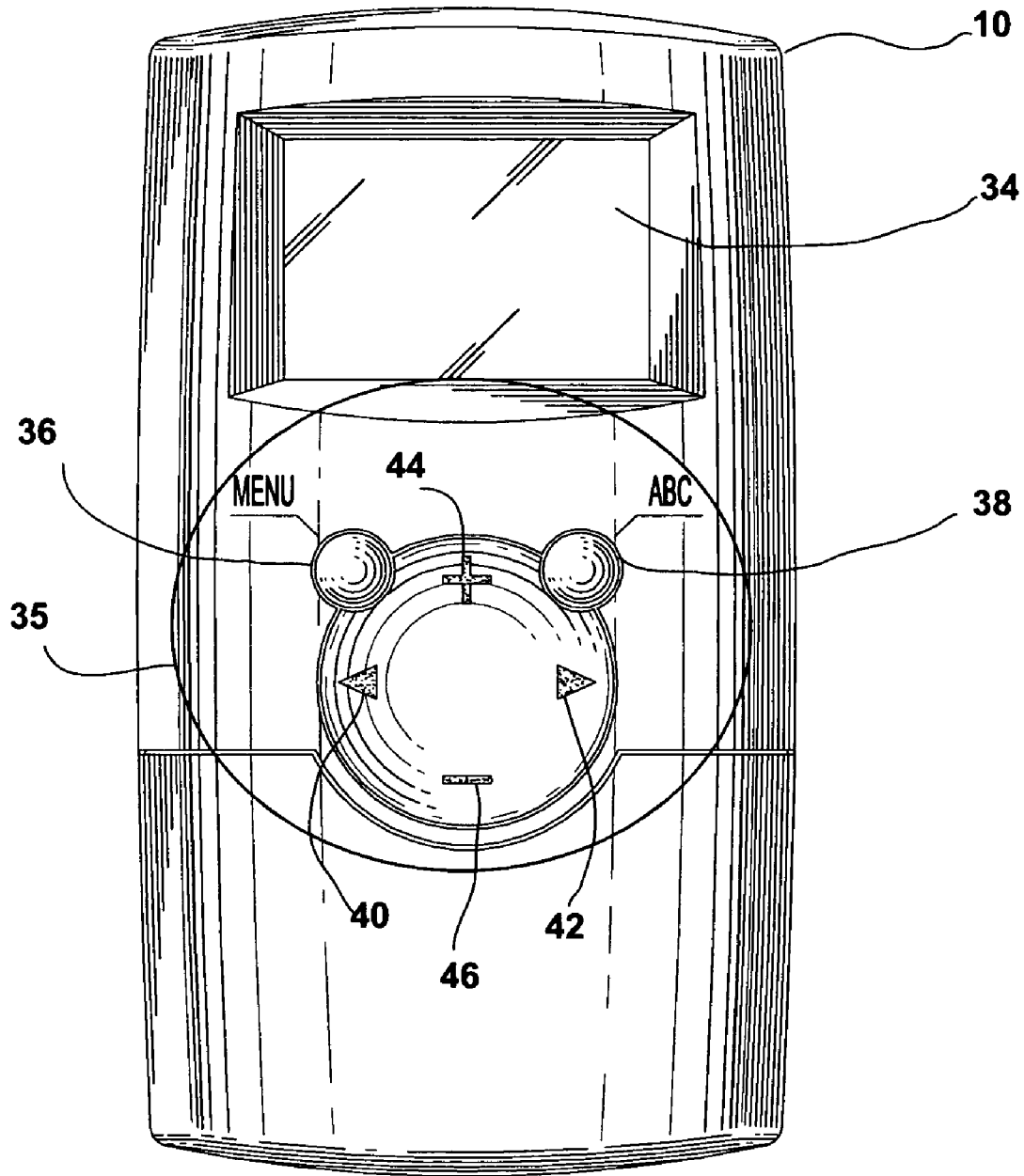


FIGURE 2

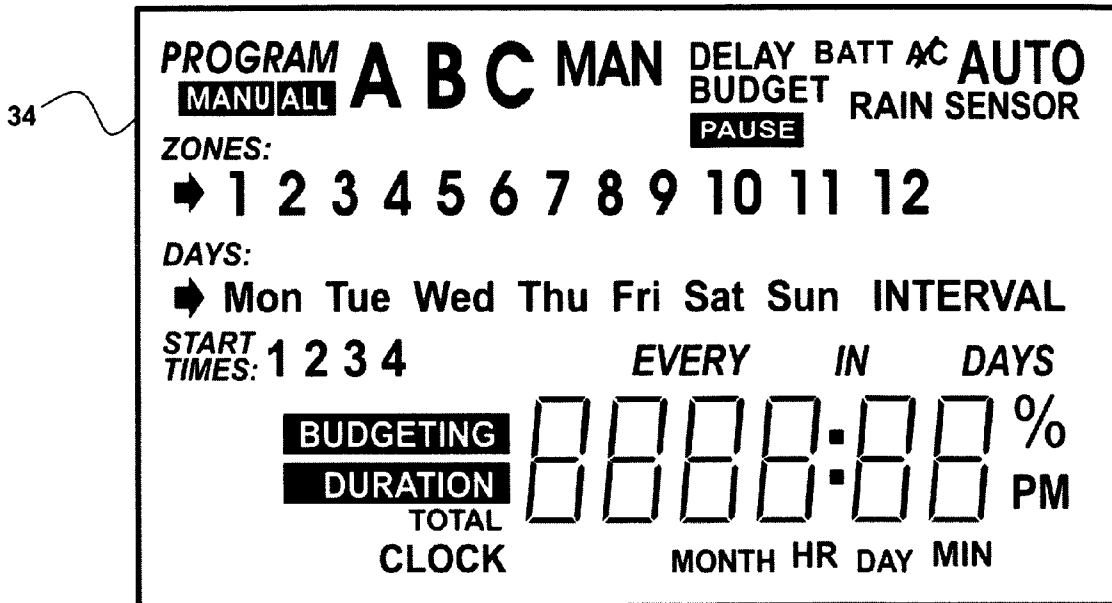


FIGURE 3a

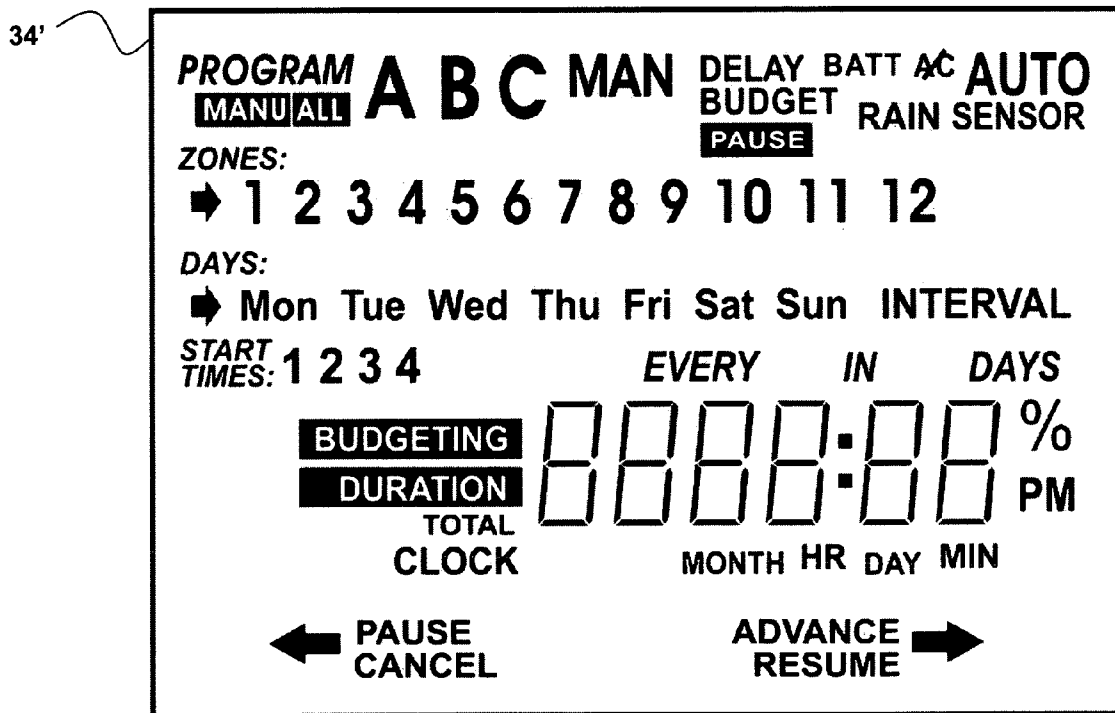


FIGURE 3b

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