

**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 1040**



US 20170188441A1

(19) **United States**

(12) **Patent Application Publication**  
**King**

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(54) **PROGRAMMABLE LIGHT TIMER AND A METHOD OF IMPLEMENTING A PROGRAMMABLE LIGHT TIMER USING A KEYPAD**

**Publication Classification**

(51) **Int. Cl.**  
**H05B 37/02** (2006.01)  
(52) **U.S. Cl.**  
CPC ..... **H05B 37/0281** (2013.01)

(71) Applicant: **Cantigny Lighting Control, LLC,**  
Wheaton, IL (US)

(57) **ABSTRACT**

(72) Inventor: **John Joseph King,** Wheaton, IL (US)

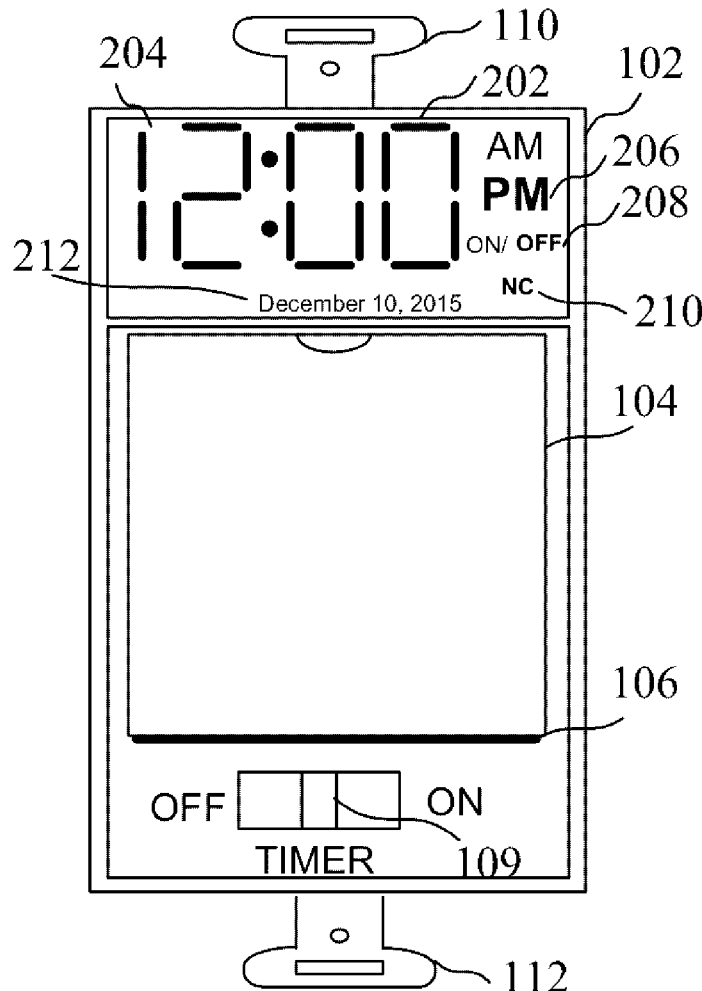
A programmable light timer for implementing a timing pattern is described. The programmable light timer comprises a numeric keypad enabling the selection of data for programming the programmable light timer; and a programming interface having one or more buttons enabling a selection of an on time or an off time associated with a button for implementing the timing pattern; wherein the on time or the off time associated with the button is programmable using the numeric keypad.

(21) Appl. No.: **15/239,764**

(22) Filed: **Aug. 17, 2016**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 14/979,377, filed on Dec. 27, 2015.



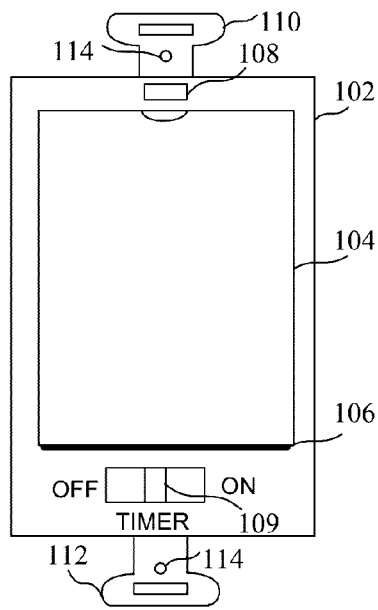


FIG. 1

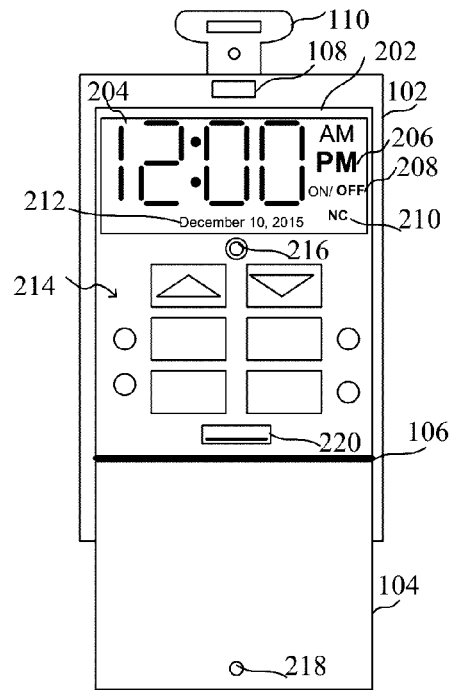


FIG. 2

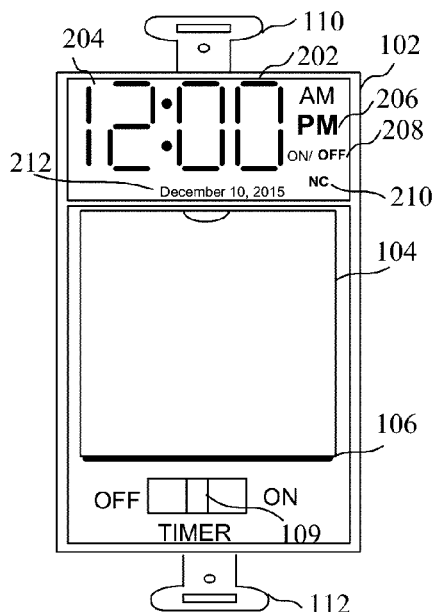


FIG. 3

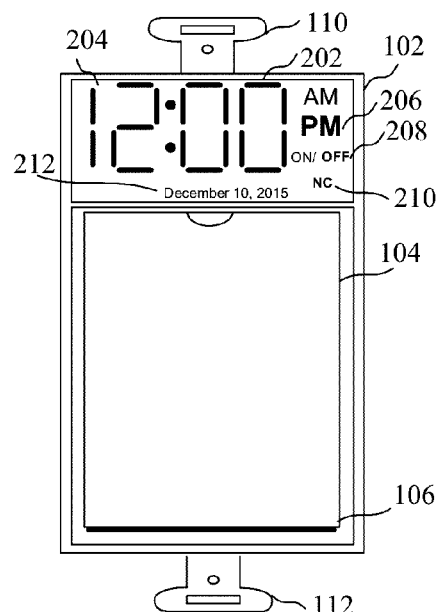


FIG. 4

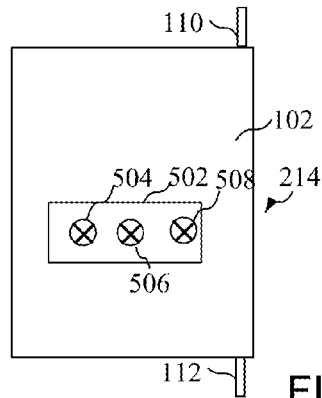


FIG. 5

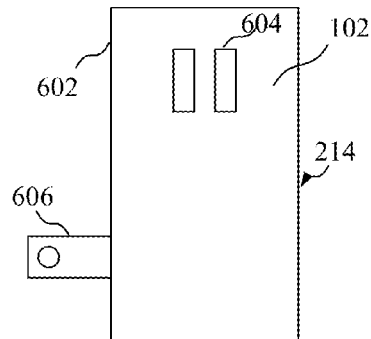


FIG. 6

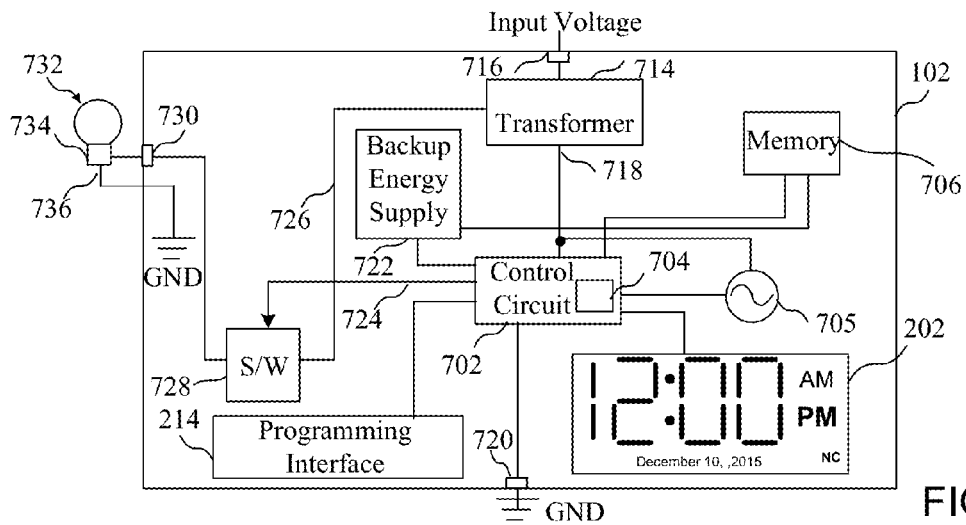


FIG. 7

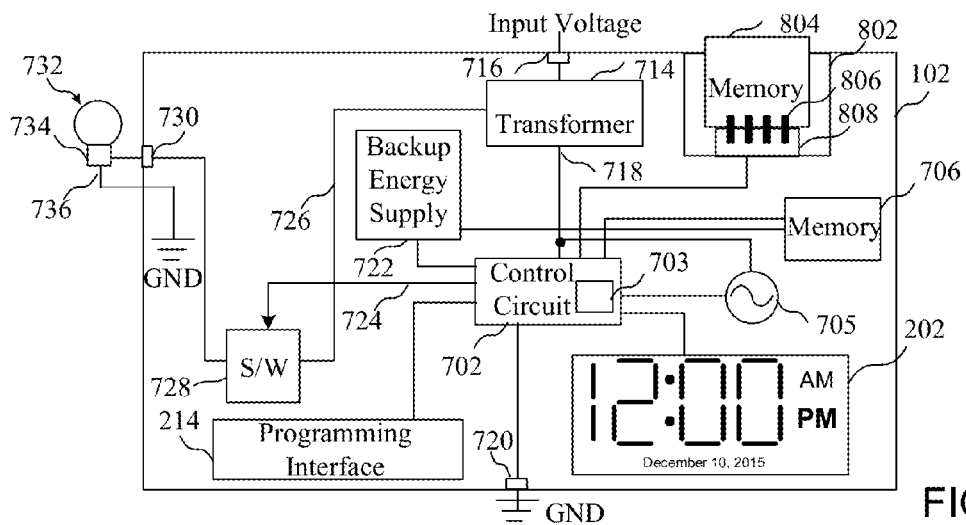


FIG. 8

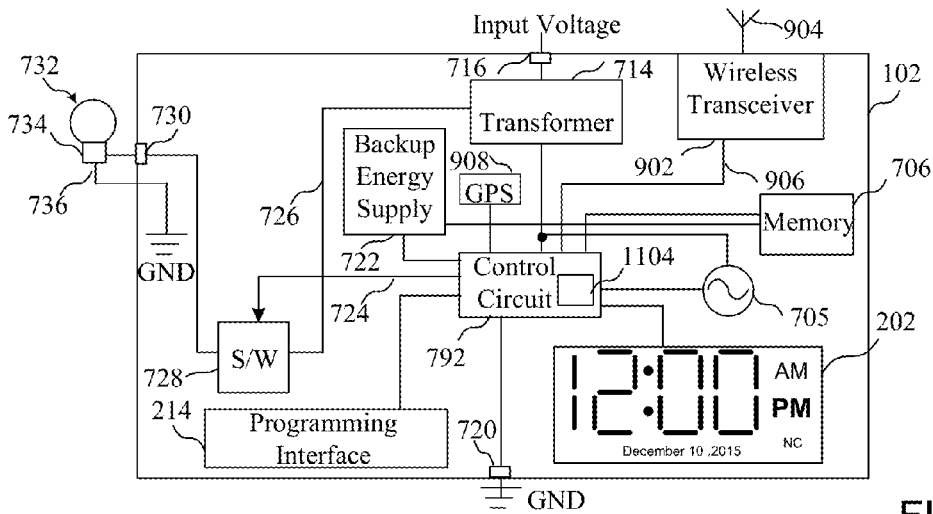


FIG. 9

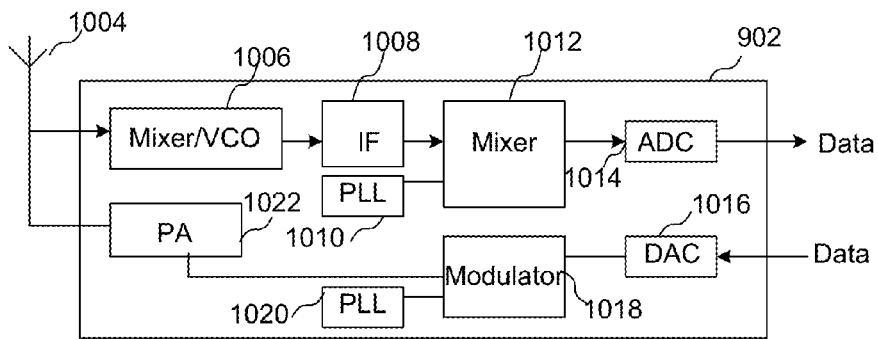


FIG.10

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