

Sample of thesis English editing

Field of research: Electrical engineering and design

EVOLVEMENT OF LIGHTING CONTROLLERS

Light controllers have been developed for years to control artificial light sources. The following will introduce ~~some typical~~ common controllers, which ~~exist in~~ are employed in our daily lives to ~~allow the~~ control of different ~~kind of~~ light sources. We will also introduce some innovative controllers, which can be employed for specific applications ~~fulfill the needs in various use scenarios.~~

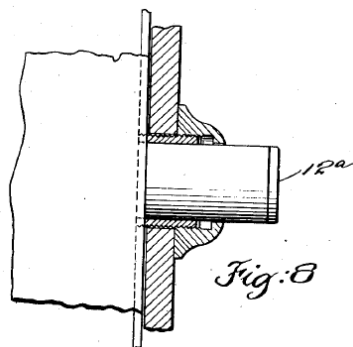
Comment [RVS1]: CHECK: 'Development' or 'evolution' might be a better word here. Please check and revise.

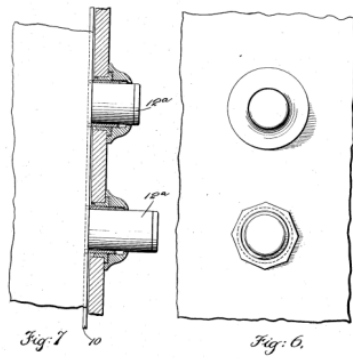
Comment [RVS2]: CHECK: Please check whether the modified sentence conveys the desired meaning.

2.1 Commonly ~~used~~ controllers

The common ~~W~~ wall switch ~~is a secure way to defend~~ protects users from electric shock hazards and ~~enable to the fitting the of~~ multiple lighting controls. In 1916, the electric wall switch, ~~with~~ having only one push button for one light was developed [19], ~~as and is shown~~ depicted in Figure 1a. ~~Because of the~~ With development ~~of in~~ technology, the single push button electric wall switch ~~with single push button~~ was developed into an electric switch consisting of two or more push buttons in 1917 [20], as ~~shown~~ depicted in Figure 1b.

With the use of ~~T~~ technology and invention, ~~overcome~~ electric security problems have been overcome and ~~fit a~~ controllers to be used in public space ~~which have more than one button~~ with ~~multiple buttons~~ or switches are used in public spaces to control many luminaries.





(a)

(b)

Figure 1. Two Patents — the Electric wall switch: (a) Patent No. 1,186,930, single push button, 1916 and, (b) Patent No. 1,248,384, two push buttons, 1917

The Rocker switch is usually used for multiple lighting controls. for instance example, one a single plate with two, three, or six rocker switches is usually seen in our living environment. **Error! Reference source not found.** was shows the patent Des. 284,277 [21], which was published by Sorenson in 1986. and The rocker switch described in the patent the rocker switch with employs a feedback mechanism between the "ON" and "OFF" words as a feedback states.

Following the invention of the LED application, Yei and Hwang [22] published the patent (US 6,621,025) in 2003, the titled topic is 'Rocker Switch with LED indicators' in 2003, and is as shown in **Error! Reference source not found.** And the number "32" is refers to one of the LEDs in this rocker switch and the "61" is previous to light. As a result, the LEDs indicators help enable the users to see the indicators and thus, know the position of the light switch in the dark, and indirectly knows signifying whether all the lights are on or off.

Comment [RVS3]: CHECK: Please check whether the modified sentence conveys the desired meaning.

Comment [RVS4]: CHECK: The meaning of this phrase is not clear. Please check and revise.

Final text

EVOLVEMENT OF LIGHTING CONTROLLERS

Light controllers have been developed for years to control artificial light sources. The following will introduce some common controllers, which are employed in our daily lives to control different light sources. We will also

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introduce some innovative controllers, which can be employed for specific applications.

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2.1 Commonly used controllers

The common wall switch protects users from electric shock hazards and enables the fitting of multiple lighting controls. In 1916, the electric wall switch, having only one push button for one light was developed [19] and is depicted in Figure 1a. With development in technology, the single push button electric wall switch was developed into an electric switch consisting of two or more push buttons in 1917 [20], as depicted in Figure 1b.

With the use of technology and invention, electric security problems have been overcome and controllers with multiple buttons or switches are used in public spaces to control many luminaries.

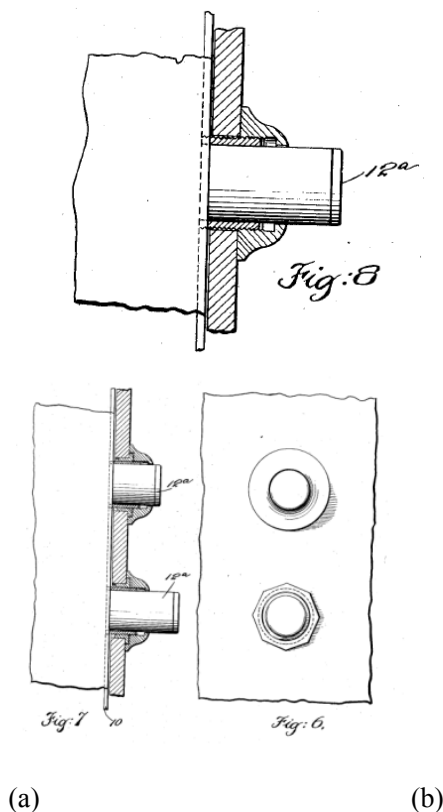


Figure 2. Two Patents — the **electric wall switch**: (a) Patent No. 1,186,930, single push button, 1916 and, (b) Patent No. 1,248,384, two push buttons, 1917

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Following the invention of the LED, Yei and Hwang [22] published the patent (US 6,621,025) titled 'Rocker Switch with LED indicators' in 2003, and is shown in **Error! Reference source not found.** The number "32" refers to one of the LEDs in this rocker switch and "61" is previous to light. As a result, the LEDs enable the users to see the indicators and thus, know the position of the light switch in the dark, indirectly signifying whether all the lights are on or off.

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