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(54) Title: A DEVICE AND METHOD FOR EFFICIENT POWER UTILIZATION

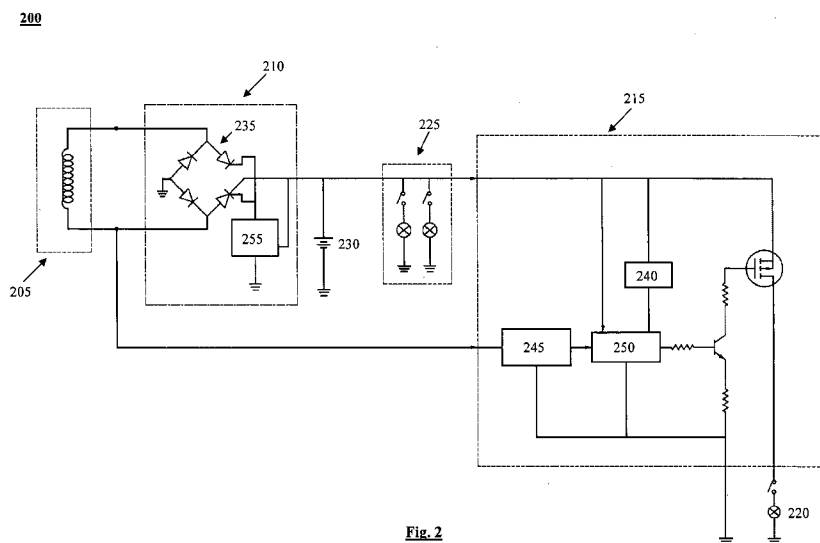


Fig. 2

(57) Abstract: The subject matter described herein is directed towards systems and methods for controlling constant load lamps in the electrical system of two or three wheeled vehicles. The constant load lamps can be controlled by controlling duty cycle of a pulsed width modulated (PWM) signal. The pulse width modulated signal regulates the input to the constant load lamps. A method of controlling constant load lamps is initiated by setting a predefined duty cycle of the PWM signal. The speed of the generator and the battery voltage of the battery of said two/three wheeler are also determined. The battery voltage is compared with a predefined voltage. A duty cycle, based on the comparison and the generator speed, is calculated. The predefined duty cycle is gradually changed to the calculated duty cycle.

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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