WIPER CONTROL SYSTEM

ABSTRACT

Wiper is an essential component that used to wipe the raindrops or any water from the windscreen. Wipers are designed and made to clear the water from a windscreen. Most of cars have two wipers on the windscreen, one on the rear window and the other on each headlight. The wiper parts visible from outside the car are the rubber blade, the wiper arm holding the blade, a spring linkage, and parts of the wiper pivots. The wiper itself has about six parts called pressure points or claws that are small arms under the wiper. In our project there will be 4 LEDs used for on and user input. They are Red, blue, orange and green colour LEDs. The RED LEDs is on, if the user button is pressed and held for 2 seconds which is mainly for ignition key to position at ACC and the other colour LEDs are used as user input. There will be two operating conditions such as wiper on and wiper off. If the red LEDs is pressed for 2 seconds and it will on, it indicates that the process is started. The user input such as blue, green and orange LEDs are on one at a time with the set frequency. The frequency changes on every alternate key press with three frequency levels which is 1, 4 and 8 Hz. The LEDs function will stops on the 4^{th} press, then the wiper action starts next press onwards with the set frequency. If the user button is pressed and held for 2 seconds the Red LEDs is off which indicates that the ignition key is at lock position.