SYSTEM TO REMOTE CONTROL THE VEHICLES DURING THE CHASING

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ABSTRACT

This system is based on stopping the fuel pump from working when sending a code to the cell chip in the control unit located in the vehicle. It's found that use Arduino board is more suitable to control the proposed system because it does not need a programmer device, which mean easier and faster in programming, this makes it superior to the PIC microcontroller.

Experiments shows that Cut off the fuel leads to decelerate the vehicle gradually, and then it stops after a distance does not exceed 860 meters. The flexibility of the system helps ending the chase safely, and minimizes any damage, handling a desired target, precisely.

In the case of there is an attempt for manipulation with the system such as opening the box which includes the system or any component failure, a text message "Emergency case.." as feedback is sent, at once, to the Central Traffic Department to inform about that.

KEYWORDS: Chasing, Arduino, Decelerate the Vehicle Gradually, Pursuit