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(54) Title of the invention : SAFE DRIVING AND ACCIDENT PREVENTION USING WIRELESS TRANSMITTER TRAFFIC CONTROL

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(57) Abstract :

The proposed design is implemented in cities where traffic control can become chaotic when an emergency vehicle needs to travel through a busy intersection. In the existing system the status of the signal will be displayed in the traffic light post and if a smaller vehicle is behind a larger one the status of the signal will not be visible. This problem can be rectified in proposed system by implementing a wireless transmitter traffic control that will transmit signals from traffic lights in traffic junctions to the automobiles like car, bike dashboard which helps the riders for safe riding and prevents accidents. This system operates in two revolutionary modes namely the normal and emergency modes. The device transmits the status of the signals from traffic lights in traffic junctions to the automobiles using RF transceivers. The performance of the proposed system is efficient for distance of 170 meters. With a synchronous traffic control system, emergency vehicles can get to their destinations by keeping the travel environment safe thus reducing collisions and avoiding the traffic. The proposed design is advantageous in the sense that it reduces human intervention and is also cost effective.

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