## Patent Search

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**Abstract:**

ABSTRACT DYNAMIC TRAFFIC CONTROL SYSTEM BASED ON WIRELESS SENSOR NETWORK One weakness of most regular vehicle location techniques in a traffic signal framework is that they can just identify the vehicle in a decent position. This investigation proposed another vehicle location technique utilizing the Wireless Sensor Network (WSN) innovation. The striking component of the proposed WSN-based technique is that it can screen the vehicles progressively. The current sensor-based control strategies settle a few issues. Nonetheless, there are still a few drawbacks with them. For instance, the ultrasonic sensor is extremely touchy to the climate. Inductive circle normally influences the traffic during establishment and are inclined to breakage because of other development. The video recognition procedure is as yet a work in progress what's more isn't experienced enough for genuine traffic light. Also, all of the above sensors can just distinguish the vehicles in a proper spot. They cannot follow the vehicles out of this spot. This research likewise fostered another sign control calculation to control the condition of the sign light in a street convergence. Reproductions of the reality convergence traffic signal framework are directed in the paper. The reproduction results show that the proposed technique is powerful for the traffic signal in a genuine street convergence.

Complete Specification

Claims:CLAIM (S)

1. A method of controlling a transportation system whereof using a distributed network of intelligent devices.
2. According to the system of claim 1,wherein the advancement of microelectronic and PC innovations, a low power-utilization, minimal expense and generally amazing remote sensor network (WSN) innovation has been applied in numerous regions.
3. According to the system of claim 1, wherein the WSN to accumulate the traffic data and control the signal light. The module is made out of 3 primary parts, i.e., RF (Radio Frequency), MCU (Miniature Control Unit) and Power Supply. The RF encodes, regulates and conveys the message, and furthermore it gets, interprets and demodulates the sign. MCU incorporates processor and recollections, where the programs dwells and executes. For a straightforward application, an 8-digit MCU is adequate.
4. According to the system of claim 1, wherein the power part supplies the capacity to every one of the modules. Because of the low power utilization of this module, sun oriented cell or a mix of sun based cell and little size battery-powered battery can be applied. This palm-size module can be connected universally definitely.
5. According to the system of claim 1, wherein the benefits of the proposed framework include: 1) precise checking and estimation of the vehicle number and vehicle speeds continuously because of the presentation of the WSN innovation; 2) minimal expense of the framework due to the effortlessness of the three sorts of hubs
6. According to the system of claim 1, wherein the Every hub as it were requirements to execute an exceptionally basic calculation on the grounds that the general calculation is disseminated among various hubs, which diminishes the intricacy of each individual hub; 3) it is not difficult to attach more capacities to this framework since the framework not just know the factual data yet additionally the data of a uncommon vehicle also; and the side of the road framework can speak with the vehicles

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