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Patent Search

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Abstract:

[1] Our Invention "An advance Automatic railway gate controller with elevated speed alerting system using IOT" has been claimed. Majority of the people prefer it because it is affordable comfortable and fastest mode of transportation. In spite of large usage of railways, It is still not developed in technology in crossings. level crossing gates are still manually operated and many unmanned railway gates are present. Railway gates are mainly used to save the accidents from occurring. The information about appearance of train for opening or ending of door is entered from near station. But some road crossings are unmanned and numerous road accidents do at these unmanned position crossings. To avoid the mortal intervention at position crossings fully, we need a road gate control. In every level crossing there are so many of the railway accidents are occurring due to the carelessness and lack of experienced drivers. This invention is to control and operate the railway gate automatically and prevent accidents to save precious human lives. It helps to prevent accidents and reduce the manual labour. Here, we use Arduino and IR sensor. IR sensor use the IR transmitter to pass the arrival of train information, IR receiver receives it and pass it to the micro controller. Arduino use the DC motor to close or open the gate. This invention is implemented using sensor technique. We place a sensor at a distance from the gate detects the approaching train and accordingly controls the operation of the gate. Also an indicator light has been provided to alert the approaching train.

Complete Specification

Description:FIELD OF THE INVENTION

[2] Our Invention is related to An advance Automatic railway gate controller with elevated speed alerting system using IOT.

BACKGROUND OF THE INVENTION

[3] It is very difficult to maintain and easy to occur the accidents. Train accidents having serious repercussion in terms of loss of human life, injury, property. These consequential train accidents include collisions derailments, fire in trains, and accidents at level Crossings. According to the US Dept of Transportation, there are about 5,800 train crashes each year in the United States, and past five years the accidents are increasing rapidly. From the statistics, it is clear that the level crossing is the most dangerous place of accidents causing at the level crossing in the India.

[4] Originally it deals with the reduction of time for which the gate is being kept unrestricted and secondly to give safety to the road druggies by providing a warning system.

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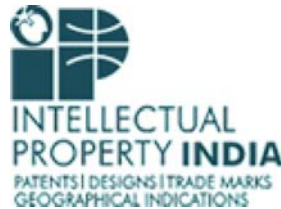


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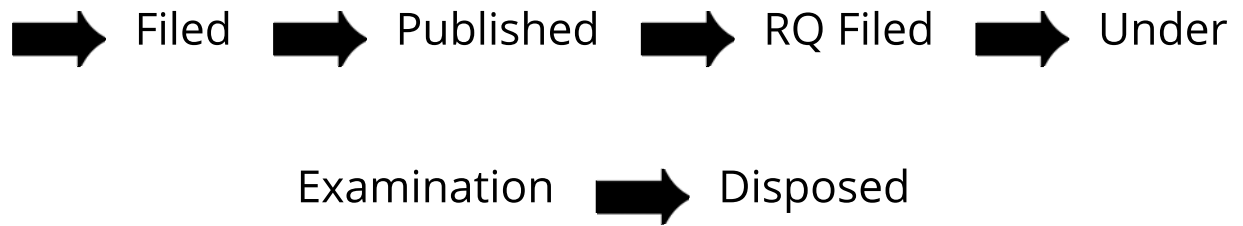
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Application Status

APPLICATION STATUS

Awaiting Request for Examination

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