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(57) Abstract :

The prime motive of the stated work is to provide secure boarding and departure for the passengers of the train on the platform. The complete system model will help to improvise the existing platform. Further, our model is fully automatic supported by the Microcontroller. When we consider day-to-day scenarios on the railway platform, there will be many accidents happening because of huge crowd present on the platform. Hence, we need any system model which help to mobilize the crowd in the queue form, this will not only make secure boarding into the train but also it supports safe departure from the train. Also, our automatic system model will help to reduce the boarding and,departure time on the platform for the passengers of the train.

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Abstract:

The prime motive of the stated work is to provide secure boarding and departure for the passengers of the train on the platform. The complete system model will help to improvise the existing platform. Further, our model is fully automatic supported by the Microcontroller. When we consider day-to-day scenarios on the railway platform, there be many accidents happening because of huge crowd present on the platform. Hence, we need any system model which help to mobilize the crowd in the queue form, this not only make secure boarding into the train but also it supports safe departure from the train. Also, our automatic system model will help to reduce the boarding and, departure time on the platform for the passengers of the train.

Complete Specification

Field of Invention

The railway has a major contribution in the transportation; a large population uses train as a transportation medium to travel from one place to another. Our attention has to be focused on the safety of the passengers on the platform, where we have witnessed many accidents while boarding into the compartment or falling on the track because of the moving train, which leads to risk of the life. To improve the existing system, the recent trends in the automation will help to provide the solution, such that people on the railway platform will not access the train in moving condition. Also, automation will help to provide the passage by sliding of grill doors on the platform when the train gets stopped and it provides boarding as well as departure of the crowd from and into the train for safer journey.

Background of Invention

The automation has an important role to make existing system in a better way. If we consider one of the existing systems for train mobility then huge crowd for boarding and departure on the platform will be very challenging to provide safety for the passengers. From a long time, very less attention has been given to improve the platform which motivated us to provide a system model fully automatic such that the passengers are made to be away from the train track while the train is under moving condition by installing a grill on the platform. Automation will make opening of the grill doors to the train compartment doors once the train gets stopped, such that the passenger will board and departure safely into and from the train on the platform. Hence, in this way it avoids any scope for falling on to the track while the train is in moving condition. Once boarding and departure is completed the grill doors will get closed which will give further no access to the passengers to catch the train. Our proposed system model will reach the required expectations to safeguard passengers during the boarding and departure time.

Brief Description of Figure

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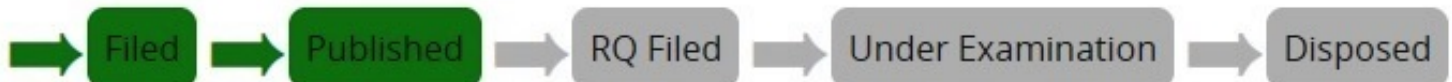
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