New toll gates

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キーワード: RFID, toll gate, traffic congestion

1. Introduction

The RFID reader is used to read the tag of the vehicles. The Vehicle information is stored in the microcontroller based on the TAG number. Based on that number the Tax amount for that vehicle will automatically transfer to the toll gate system. This system uses IR technology, making it very vulnerable to failure.

2. Related works

This tax payment system will be an advantage for the government and this system will be monitoring the vehicles which are crossing the gates. This is the first system has been implemented then only accidents has been reduced.

Bean Michal (1994) had proposed the system of toll collection established in England and Wales from about 1986 in responded to the need for better road way. The trusts were ultimate response for the maintenance and improvement of most of the main roads in England.

3. Overview of my research

I have to make this program and idea better than normal toll gate, it will be a new system of payments in everywhere.

4. Current outcomes

It won't waste the time. it is a free flowing system, so you don't need to stop the car at any point on the highway and manually pay a road toll to someone sitting at a toll booth: we can travel freely, at normal highway speeds. There are no toll booths, barriers or physical gates, so you drive straight through the tolling gate.

5. Conclusion

Its 'Passive' tags are powered by the transceiver in the toll gate and no battery is required for the tag itself. Radio frequency identification (RFID) is an automatic identification method, relying on storing and remotely retrieving data using devices called RFID tags or transponders.

Reference

2) http://www.rroij.com/open-access/automatic-toll-gate-system-using-advancedrfid-and-gsm-