Abstract

There are a variety of areas wherein a need exists for a system capable of identifying and tracking the geographic location of a remote valuable object. One such valuable object which requires constant surveillance is a car. In order to alert the car owner immediately regarding theft of the car by means of a portable remote receiver, we have come up with an Event Tracking System, which we have discussed in this paper. This system consists of Event Detection Module, Global Positioning System (GPS), Asset Tag and Wireless Network Interface. The Event Detection Module consists of Event detection sensor and Event detection logic. GPS and Asset Tag together determine the location of the car. Wireless Network Interface consists of a transmitter used to transmit signal to the Surveillance Pad wirelessly. The Surveillance Pad consists of processing unit, display and alert system. The predetermined event to be detected in this system is the unlocking of the door of the car. Once the door gets unlocked it will send an alert to the car owner in the form of an alarm or message. This can help the user to take immediate actions. Once the engine starts, the GPS tracking display in the Surveillance Pad will get enabled with an alarm allowing the car owner to track the car and retrieve it.
Reference


Index Terms

Electronics  Embedded Systems

Key words

constant surveillance  Tracking System

Global Positioning System (GPS)