Abstract

With the improvement of people's living standards, Large and medium-sized cities and some small and medium cities in the demand for private cars is becoming more and more big. This comes with increasing demand for parking spaces. Traditional fixed parking spaces and surface parking spaces have been unable to meet the growing demand for parking spaces, on the other hand, the bustling city commercial district, government agencies and offices and other places will inevitably appear parking difficult problem. At the same time, the growth of parking fees in some areas has brought a lot of economic burden to the office workers. Parking is difficult, the impact is not limited to the parking itself, which brings a series of urban management issues. Through the investigation and interview path discovery, staggered time sharing spaces is an effective means to solve the problem of parking.

For the current parking is difficult, parking is not convenient to find parking spaces. To ease traffic congestion, save fuel to reduce exhaust emissions for the purpose, this paper proposes an efficient smart car system, including mobile terminal service system, data acquisition system,
data transmission system and dynamic guidance system. System through a real-time network released vacant parking information and are equipped with GPS dynamic map navigation, when a vehicle enters the strange parking lot, system will enable indoor RFID tag localization, intelligent vehicle guidance function, also have the lock network control and carpooling bit line trading function.

References


Index Terms

Computer Science  Automated Systems
The Research of Intelligent Parking System based on Internet of Things Technology

Keywords

Mobile terminal; RFID; dynamic guidance; online transaction