

Innovated Smart Parking Assistance System and Information System

ABSTRACT

An innovated SMART Parking System, PRIN System and an Information System are provided. The PRIN System is able to manage multiple parking lots without range limitation, and deeply monitor the individual parking space status and also driveway status at each parking lot upon the control devices deployed. By the bi-directional communication, the control devices are able to be managed and changed the control methodology for dynamic parking service support. Besides, the Information System can provide the real-time parking service information for either remote or local access to assist the quick parking without spending too much driving and searching time for parking. Therefore, the PRIN System and Information System facilitates the problem solving of traffic jam and difficult parking within the city effectively, and significantly reduce the social cost, vehicle emission and carbon monoxide to improve the air we breathe and city environment we care.

FIG. 1