ABSTRACT

INTELLIGENT CAR PARK SYSTEM

A computer-based intelligent car park system (ICPS) and method for automatically controlling vehicle exit from a car park. ICPS captures images of the vehicle entering the car park using cameras (16) and processes the images to recognise identifying features of the vehicle and time of entry which are transmitted to a computer database via a wireless transmission system or a local/wide area network or other form of computer interconnection and stored in the database. A similar process occurs at the point of exit, except that ICPS matches the identifying information with previous database records and calculates the applicable charges based on time spent in the car park. Cashless payment can be made such as by a cash card or credit card or credit information recorded at point of payment (22). ICPS facilitates rapid entry and exit of vehicles to/from a car park and enables more effective management of car park usage without car park attendants.

Drawing suggested to accompany abstract: Figure 1.