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(54) Title: VEHICLE PARKING SYSTEM

(57) Abstract

A vehicle parking network comprises a transmitter-responder device (TRD) for each subscriber and a complementary box which can be coupled to the TRD and only to it, and permits it to communicate with a central computer. The complementary box is provided with identification marks that can be scanned from the outside and includes a microcontroller, memory means and timing means. Once the vehicle is parked, the TRD is used to obtain from the computer a parking authorization and an allowed parking time. Then a legitimate parking sign is displayed and the parking time is downcounted until the allowed time has been completed or until the vehicle leaves the parking space. If communication with the computer cannot be established, the complementary box carries out an assumed parking procedure, stores its data in a buffer memory, and later transmits them to the computer for verification and registration. The computer communicates the data of each parking to the Public Authority charged with collecting the parking fees. Examples of TRD's are cellular phones, message recorders, pagers, private alarms and vehicle location units (VLU). If a VLU is used, the central computer obtains vehicle location data from the control center of the vehicle location system, monitors the vehicle position, and carries out the parking procedure.

