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ABSTRACT

GPS ELECTRONIC ROAD PRICING SYSTEM

An electronic road pricing system utilising the global positioning system (GPS) comprises an in vehicle receiver capable of receiving signals from the global positioning system (GPS) and providing positional data for the vehicle in respect thereto. A controller is provided for receiving said positional data from said receiver and utilising such to produce billing information in relation to the duration and location of a vehicle within a chargeable zone. The system additionally incorporates means utilising local FM transmitters to provide correctional offsets to improve the accuracy of positional data received by said receiver. The device preferably utilises a smart card which is chargeable with credits in advance and from which such may be deducted during use.

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