-8 SEP 2003

The Traffic Information & Pricing (TIP) System

Abstract

The invention relates to a class of systems for collecting and/or disseminating information in relation to traffic, in which information about individual persons and/or vehicles can be collected and checked on reliability in such a way that yet sufficient protection (of privacy) can be offered against illegitimate tracing of individual persons and/or vehicles. Also, extensions, refinements or possible other changes can be easily implemented later.

The systems referred to can be used, for example, for imposing all sorts of traffic fees, and thus also for traffic pricing, among which should at least be understood road, maritime and air traffic pricing.

In the case of road traffic pricing it is possible, for example, to charge for *all* distances traveled and to relate the fee for each distance unit traveled, if desired, to the location where and/or to the date, the point in time and/or the traffic intensity when that distance unit was traveled, to the brand, model, year of manufacture, gearbox type and engine type of the vehicle used, to the gear engaged, the engine speed, the fuel consumption, the noise production, the speed and/or speed changes when traveling the distance unit with that vehicle, and/or to the environmental pollution caused.

Reducing noise nuisance by aircraft is another example of a possible application.

Keywords: electronic toll collection (ETC), road traffic pricing, proportionate pricing, continuous pricing, distance-related road pricing, congestion pricing, environmental pollution pricing, privacy protection, tracing, fraud resistance, checking, identification, semi-identification, agent, hunter, intermediary, reachability, traffic congestion, traffic congestion information, environmental pollution, fuel consumption, noise nuisance, noise, traffic fee, traffic tax, toll, counter value, kilometer counter, speedometer, revolution counter, automatic calibration, cruise control, roller test bench, taximeter, tachograph, black box.



162162



G00002