

Title (en)

System and method for automatic detection of moving vehicles

Title (de)

System und Verfahren zum automatischen Erfassen von sich bewegenden Fahrzeugen

Title (fr)

Système et méthode de détection automatique de véhicules roulants

Publication

EP 0585718 B1 19970611 (EN)

Application

EP 93113130 A 19930817

Priority

IT GE920092 A 19920903

Abstract (en)

[origin: EP0585718A1] A system for the automatic detection of moving vehicles, with data exchange, particularly with automatic toll charging, comprising a fixed receiving and transmitting station capable of communicating with a plurality of on-board transceiver units (3) each of which is associated with one vehicle. To avoid confinement to a single-carriageway transit lane of vehicles passing the transceiver station, the invention specifies that the transceiver station is provided with a plurality of aerals (A.1-A.n), each of which forms a coverage area (C.1-C.n) of dimensions considerably smaller than the dimensions of the vehicles, so that only one vehicle can pass through each coverage area at one time and consequently only one on-board unit (3) can communicate with each aerial (A.1-A.n) at one time, while the signals received by each aerial (A.1-A.n) are processed separately from each other. The invention also specifies a particular method of application. <IMAGE>

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CPC (source: EP)

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Cited by

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