

Title (en)

Automatic instrumental acquisition of road information on board of a vehicle by passive means deployed on the road surface

Title (de)

Automatische Erfassung von Verkehrsinformationen in einem Fahrzeug mittels einer Anordnung auf der Strassenoberfläche

Title (fr)

Acquisition instrumentale et automatique des informations routières dans un véhicule par dispositifs mis sur la surface de route

Publication

**EP 1205897 A3 20030917 (EN)**

Application

**EP 01204231 A 20011106**

Priority

IT VA20000036 A 20001108

Abstract (en)

[origin: EP1205897A2] Information relative to speed limit and/or other traffic warning or notice pertaining to the stretch of road the vehicle travelling on, may be automatically acquired by an on-board system of a vehicle designed for receiving, processing, storing and recording data, without requiring the deployment of expensive and delicate transmitters along the roads of a territory. Necessarily updated information may be acquired by the on-board system through durable and low cost passive means by: establishing a digital coding of the information that must be acquired by said on-board system; installing on said vehicle and coupling to said on-board system at least a transducer of dynamic solicitations impressed to the vehicle through its suspensions; laying transversally on the surfacing of the carriageway or on the lanes of a certain direction a plurality of parallel crests spaced from one another such to reproduce a binary code corresponding to said information; processing the signal generated by said transducer for recognizing said binary code corresponding to the pattern of relative distribution and spacing of said parallel crests; generating depending on the so acquired information an alertment or warning to the driver and/or storing the information in a memory buffer of the system. <?? >On a driving license in the form of an electronic smart card, necessarily inserted into a card reader/writer peripheral of the on-board system may be nonvolatily recorded an eventual infraction and fine according to regulamentary algorithm of pre-warnings issued to the driver. <IMAGE>

IPC 1-7

**G08G 1/0967**; **E01F 9/00**

IPC 8 full level

**E01F 9/00** (2006.01); **G08G 1/017** (2006.01); **G08G 1/0962** (2006.01); **G08G 1/0967** (2006.01)

CPC (source: EP)

**E01F 9/30** (2016.02); **G08G 1/0175** (2013.01); **G08G 1/096716** (2013.01); **G08G 1/09675** (2013.01); **G08G 1/096783** (2013.01)

Citation (search report)

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