

Title (en)

APPARATUS AND METHOD FOR DETERMINING A VEHICLE POSITION IN A FIXED-TRAFFIC-NODE COORDINATE SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG EINER FAHRZEUGPOSITION IN EINEM VERKEHRSKNOTENFESTEN KOORDINATENSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTERMINATION D'UNE POSITION DE VÉHICULE DANS UN SYSTÈME DE COORDONNÉES LIÉ À UN NOEUD DE TRAFIC

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Application

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Abstract (en)

[origin: WO2016202771A1] The invention relates to a method and an apparatus for determining a vehicle position in a fixed-traffic-node coordinate system, wherein the apparatus (1) comprises at least one reception device (2) for receiving a signal from a traffic-node transmission device (3), at least one device for determining a piece of direction-of-travel information in a global reference coordinate system and at least one evaluation device (5), wherein a spatial relationship between the global reference coordinate system and the fixed-traffic-node coordinate system is known in advance, wherein the evaluation device (5) can be used to take at least one signal property of a received signal as a basis for determining a position of the traffic-node transmission device (3) in a vehicle coordinate system, wherein the evaluation device (5) can be used to determine the vehicle position in the fixed-traffic-node coordinate system on the basis of the direction-of-travel information and the position of the traffic-node transmission device (3) in the vehicle coordinate system.

IPC 8 full level

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