

Title (en)

METHOD FOR ESTIMATING GEOMETRIC PARAMETERS REPRESENTING THE SHAPE OF A ROAD, SYSTEM FOR ESTIMATING SUCH PARAMETERS AND MOTOR VEHICLE EQUIPPED WITH SUCH A SYSTEM

Title (de)

VERFAHREN ZUR SCHÄTZUNG GEOMETRISCHER PARAMETER, DIE DIE FORM EINER STRASSE DARSTELLEN, SYSTEM ZUR SCHÄTZUNG SOLCHER PARAMETER UND MIT SOLCH EINEM SYSTEM AUSGESTATTETES KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ D'ESTIMATION DE PARAMÈTRES GÉOMÉTRIQUES REPRÉSENTATIFS DE LA FORME D'UNE ROUTE, SYSTÈME D'ESTIMATION DE TELS PARAMÈTRES ET VÉHICULE AUTOMOBILE ÉQUIPÉ D'UN TEL SYSTÈME

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Application

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Abstract (en)

[origin: WO2016146823A1] The invention relates to a method for estimating geometric parameters (R1M) representing the shape of a road, using at least one sensor and one analysis module equipping a motor vehicle (100) situated on said road, comprising in particular the following steps: - estimating, as a function of the position of detected points marking an edge (LM; LL) of at least one traffic lane (LA) of said road, parameters (R1M) of a first geometric model, representing the shape of at least a portion of said road, - determining a limit position with respect to the motor vehicle, up to which the first previously configured geometric model describes, with a given precision, the shape of said road, and - estimating the parameters of a second geometric model representing the shape of said road beyond said limit position. Also described are a system for estimating said parameters, and a motor vehicle (100) equipped with such a system. Figure 5

IPC 8 full level

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