

Title (en)

METHOD FOR DETERMINING AN ORIENTATION OF A VEHICLE

Title (de)

VERFAHREN ZUR ERMITTLUNG EINER ORIENTIERUNG EINES FAHRZEUGS

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE L'ORIENTATION D'UN VÉHICULE

Publication

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Application

**EP 17768971 A 20170822**

Priority

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- DE 2017200084 W 20170822

Abstract (en)

[origin: WO2018065015A1] The invention relates to a method for determining an orientation ( $\psi$ ) of a vehicle relative to a spatially fixed coordinate system (x<sub>0</sub>-y<sub>0</sub>), the method comprising the following steps: determining a traveled distance (s,dS,ΔS) of at least one reference point (P) of the vehicle and/or at least one wheel of the vehicle, and calculating the orientation ( $\psi$ ) of the vehicle taking the traveled distance (S,dS,ΔS) into consideration. The invention further relates to a method based on this principle for determining a position (X P ,Y P ) of a vehicle, to a method for determining an odometry of a vehicle, and to a corresponding control device of a vehicle.

IPC 8 full level

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See references of WO 2018065015A1

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