

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

EP 3523605 A1 20190814 (DE)

Application

EP 17768971 A 20170822

Priority

- DE 102016219379 A 20161006
- DE 2017200084 W 20170822

Abstract (en)

[origin: WO2018065015A1] The invention relates to a method for determining an orientation (ψ) of a vehicle relative to a spatially fixed coordinate system (x₀-y₀), 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 (ψ) 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

G01C 21/12 (2006.01); **G01B 21/12** (2006.01); **G01C 21/16** (2006.01); **G01C 21/28** (2006.01); **G01C 22/00** (2006.01); **G01C 22/02** (2006.01)

CPC (source: EP US)

B62D 15/024 (2013.01 - EP US); **G01C 22/02** (2013.01 - EP); **G01C 22/025** (2013.01 - US); **G05D 1/0212** (2024.01 - US); **G06F 17/13** (2013.01 - US)

Citation (search report)

See references of WO 2018065015A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018065015 A1 20180412; CN 109791049 A 20190521; DE 102016219379 A1 20180412; DE 112017005078 A5 20190711; EP 3523605 A1 20190814; US 2019368878 A1 20191205

DOCDB simple family (application)

DE 2017200084 W 20170822; CN 201780061228 A 20170822; DE 102016219379 A 20161006; DE 112017005078 T 20170822; EP 17768971 A 20170822; US 201716332867 A 20170822