

Title (en)

GENERATING NON-SEMANTIC REFERENCE DATA FOR DETERMINING THE POSITION OF A MOTOR VEHICLE

Title (de)

ERZEUGEN NICHT-SEMANTISCHER REFERENZDATEN ZUR POSITIONSBESTIMMUNG EINES KRAFTFAHRZEUGS

Title (fr)

PRODUCTION DE DONNÉES DE RÉFÉRENCE NON SÉMANTIQUES POUR DÉTERMINER LA POSITION D'UN VÉHICULE À MOTEUR

Publication

EP 4004581 A1 20220601 (DE)

Application

EP 20735552 A 20200629

Priority

- DE 102019119852 A 20190723
- EP 2020068242 W 20200629

Abstract (en)

[origin: WO2021013475A1] A computer-implemented method for generating non-semantic reference data for determining the position of a motor vehicle (6) involves a set of raw data points (7) being provided that models a stipulated surrounding area (11). A stipulated descriptor characterizing a property of the surrounding area (11) is determined for each of the raw data points (7). At least one point cluster (9a, 9b, 9c, 9d, 9e, 9f) is generated by grouping the raw data points (7) on the basis of their descriptors. An identification number relating to an information gain for determining the position of the motor vehicle (6) is assigned to a first point cluster on the basis of the descriptors of the raw data points (7). The identification number is taken as a basis for storing feature information of the first point cluster on a memory unit (10) as non-semantic reference data for determining the position.

IPC 8 full level

G01S 7/41 (2006.01); **G06K 9/00** (2022.01); **G06K 9/62** (2022.01)

CPC (source: CN EP US)

G01C 21/3833 (2020.08 - US); **G01S 7/41** (2013.01 - CN EP US); **G01S 7/4802** (2013.01 - CN); **G01S 13/931** (2013.01 - US); **G06F 16/906** (2018.12 - US); **G06F 18/23** (2023.01 - EP); **G06F 18/28** (2023.01 - CN EP); **G06T 7/74** (2016.12 - US); **G06V 20/56** (2022.01 - EP US); **G06T 2207/10028** (2013.01 - US); **G06T 2207/10044** (2013.01 - US); **G06T 2207/30252** (2013.01 - US)

Citation (search report)

See references of WO 2021013475A1

Designated contracting state (EPC)

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BA ME

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DE 102019119852 A1 20210128; CN 114144816 A 20220304; EP 4004581 A1 20220601; US 2022262034 A1 20220818; WO 2021013475 A1 20210128

DOCDB simple family (application)

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