

Title (en)

METHOD AND APPARATUS FOR CREATING A MAP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERSTELLEN EINER KARTE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CRÉATION D'UNE CARTE

Publication

**EP 3679324 A1 20200715 (DE)**

Application

**EP 18759278 A 20180816**

Priority

- DE 102017215868 A 20170908
- EP 2018072277 W 20180816

Abstract (en)

[origin: WO2019048213A1] Method (300) and apparatus (110) for creating (340) a first map, having a step of receiving (310) surroundings data values, wherein the surroundings data values represent surroundings (220) of at least one vehicle (200), wherein the surroundings (220) comprise at least one surroundings feature (221), wherein the surroundings data values are acquired by means of a first ambient sensor system (201) of the at least one vehicle (200), a step of determining (320) an object class of the at least one surroundings feature (221), depending on the first ambient sensor system (201) of the at least one vehicle (200), a step of establishing (330) an association between the object class and at least one further object class, wherein the at least one further object class is determined from at least one further surroundings feature, wherein the at least one further surroundings feature can be acquired by means of a second ambient sensor system and the second ambient sensor system is not of the same design as the first ambient sensor system (201), and a step of creating (340) the first map, depending on the surroundings data values and based on the association.

IPC 8 full level

**G01C 21/36** (2006.01); **G01C 21/32** (2006.01); **G05D 1/02** (2020.01); **G06T 17/05** (2011.01)

CPC (source: EP US)

**G01C 21/3602** (2013.01 - EP); **G01C 21/367** (2013.01 - US); **G01C 21/3694** (2013.01 - US); **G01C 21/3833** (2020.08 - EP US); **G01C 21/3867** (2020.08 - EP US); **G06T 17/05** (2013.01 - EP); **G06V 20/56** (2022.01 - US)

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 2019048213 A1 20190314**; CN 111094896 A 20200501; CN 111094896 B 20240227; DE 102017215868 A1 20190314; EP 3679324 A1 20200715; JP 2020533630 A 20201119; JP 7092871 B2 20220628; US 2021063169 A1 20210304

DOCDB simple family (application)

**EP 2018072277 W 20180816**; CN 201880057883 A 20180816; DE 102017215868 A 20170908; EP 18759278 A 20180816; JP 2020513739 A 20180816; US 201816643325 A 20180816