

Title (en)

METHOD FOR ALIGNING CROWD-SOURCED DATA TO PROVIDE AN ENVIRONMENTAL DATA MODEL OF A SCENE

Title (de)

VERFAHREN ZUM AUSRICHTEN VON CROWD-SOURCING-DATEN ZUR BEREITSTELLUNG EINES UMGEBUNGSDATENMODELLS EINER SZENE

Title (fr)

PROCÉDÉ D'ALIGNEMENT DE DONNÉES COLLABORATIVES POUR L'ÉTABLISSEMENT D'UN MODÈLE DE DONNÉES ENVIRONNEMENTALES D'UNE SCÈNE

Publication

EP 4022255 A1 20220706 (EN)

Application

EP 20745105 A 20200707

Priority

- DE 102019210034 A 20190708
- EP 2020069150 W 20200707

Abstract (en)

[origin: WO2021005073A1] A method for aligning data to provide an environmental data model of a scene, includes providing a server database with a plurality of data sets by a remote server. Each data set has at least one of a feature reference point, an object reference point, and an object of a scene. A vehicle receives first data sets from the server database, where the data sets have at least one feature reference point. The vehicle collects ambient data and generates feature reference points of the collected ambient data. It further aligns feature reference points of the collected ambient data with at least one of the first data sets and generates second data sets describing new and/or amended feature reference points. Finally, the vehicle transmits the second data sets to the server, which refines the server database by using the data included in the second data sets and forwards the refined datasets to vehicles for further alignments.

IPC 8 full level

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CPC (source: EP)

G01C 21/1652 (2020.08); **G01C 21/1656** (2020.08); **G01C 21/28** (2013.01); **G01C 21/3811** (2020.08); **G01C 21/3819** (2020.08); **G01C 21/3841** (2020.08); **G01C 21/3848** (2020.08)

Citation (search report)

- [X1] US 2002085095 A1 20020704 - JANSSEN HOLGER [DE]
- [X1] US 2018239032 A1 20180823 - THIEL CHRISTIAN [DE], et al
- See also references of WO 2021005073A1

Designated contracting state (EPC)

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