

Title (en)
CROWDSOURCING AND DISTRIBUTING A SPARSE MAP, AND LANE MEASUREMENTS FOR AUTONOMOUS VEHICLE NAVIGATION

Title (de)
CROWDSOURCING UND VERTEILEN EINER SPÄRLICHEN KARTE SOWIE FAHRSPURMESSUNGEN FÜR AUTONOME FAHRZEUGNAVIGATION

Title (fr)
EXTERNALISATION OUVERTE ET DISTRIBUTION D'UNE CARTE ÉPARSE, ET MESURES DE VOIE POUR LA NAVIGATION D'UN VÉHICULE AUTONOME

Publication
EP 3488384 A1 20190529 (EN)

Application
EP 17761919 A 20170721

Priority

- US 201662365188 P 20160721
- US 201662365192 P 20160721
- US 201662373153 P 20160810
- IB 2017001058 W 20170721

Abstract (en)
[origin: WO2018015811A1] Systems and methods are provided for generating, distributing, and using a sparse map and lane measurements for autonomous vehicle navigation. For example, one implementation relates to a non-transitory computer-readable medium including a sparse map for autonomous vehicle navigation along a road segment. Another implementation relates to a method of generating a road navigation model for use in autonomous vehicle navigation. A third implementation relates to a system for autonomously navigating a vehicle along a road segment. A fourth implementation relates to a method of determining a line representation of a road surface feature extending along a road segment. A fifth implementation relates to a method of determining a line representation of a road surface feature extending along a road segment. A sixth implementation relates to a system for correcting a position of a vehicle navigating a road segment.

IPC 8 full level
G06K 9/00 (2006.01)

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G01C 21/28 (2013.01 - EP KR); **G01C 21/32** (2013.01 - CN); **G01C 21/3602** (2013.01 - KR); **G01C 21/367** (2013.01 - CN); **G01C 21/3815** (2020.08 - CN); **G01C 21/3819** (2020.08 - EP KR US); **G01C 21/3841** (2020.08 - CN); **G06F 18/22** (2023.01 - KR); **G06N 20/00** (2019.01 - KR); **G06T 7/277** (2017.01 - KR); **G06V 10/94** (2022.01 - CN); **G06V 20/56** (2022.01 - EP); **G06V 20/588** (2022.01 - CN); **G06T 2207/20084** (2013.01 - KR); **G06T 2207/30256** (2013.01 - KR)

Designated contracting state (EPC)
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