

Title (en)

DRIVE UNIT FOR A SELF-DRIVING VEHICLE, SELF-DRIVING VEHICLE, SUPPORT STRUCTURE FOR SELF-DRIVING VEHICLES AND TRANSPORT SYSTEM

Title (de)

ANTRIEBSEINHEIT FÜR EINEN SELBSTFAHRENDEN WAGEN, SELBSTFAHRENDER WAGEN, TRAGSTRUKTUR FÜR SELBSTFAHRENDE WAGEN UND TRANSPORTSYSTEM

Title (fr)

UNITÉ D'ENTRAÎNEMENT POUR VÉHICULE AUTONOME, VÉHICULE AUTONOME, STRUCTURE DE SUPPORT POUR VÉHICULES AUTONOMES ET SYSTÈME DE TRANSPORT

Publication

EP 4114707 A1 20230111 (DE)

Application

EP 21708986 A 20210301

Priority

- DE 102020202616 A 20200302
- EP 2021055005 W 20210301

Abstract (en)

[origin: CA3169700A1] The invention relates to a drive unit (12; 12a, 12b) for a self-driving vehicle (10) of an elevated-track-type support structure (100), comprising at least one electric motor (24; 47, 48) for moving the drive unit (12; 12a; 12b) along the support structure (100), wherein the at least one electric motor (24; 47, 48) can be driven at least indirectly by means of a first power supply (20), and wherein the first power supply (20) has at least one contact element (32; 46), which is designed to cooperate with a conductor (18) arranged stationarily on the support structure (100).

IPC 8 full level

B61B 7/06 (2006.01)

CPC (source: EP KR US)

B60L 3/0061 (2013.01 - KR); **B60L 50/60** (2019.02 - KR US); **B61B 3/02** (2013.01 - KR US); **B61B 7/06** (2013.01 - EP KR); **B61C 3/02** (2013.01 - KR); **Y02T 10/70** (2013.01 - EP KR); **Y02T 90/12** (2013.01 - KR)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020202616 A1 20210902; CA 3169700 A1 20210910; EP 4114707 A1 20230111; JP 2023516990 A 20230421; JP 7525628 B2 20240730; KR 20220147653 A 20221103; US 2023129654 A1 20230427; WO 2021175764 A1 20210910

DOCDB simple family (application)

DE 102020202616 A 20200302; CA 3169700 A 20210301; EP 2021055005 W 20210301; EP 21708986 A 20210301; JP 2022552564 A 20210301; KR 20227033576 A 20210301; US 202117801598 A 20210301