Title (en)

AUTONOMOUS DRIVING DATASET GENERATION WITH AUTOMATIC OBJECT LABELLING METHODS AND APPARATUSES

Title (de)

ERZEUGUNG VON DATENSATZ ZUM AUTONOMEN FAHREN MIT VERFAHREN UND VORRICHTUNGEN ZUR AUTOMATISCHEN OBJEKTMARKIERUNG

Title (fr)

GÉNÉRATION D'UN ENSEMBLE DE DONNÉES DE CONDUITE AUTONOME AVEC DES PROCÉDÉS ET DES APPAREILS D'ÉTIQUETAGE D'OBJETS AUTOMATIQUES

Publication

EP 3948647 A4 20221116 (EN)

Application

EP 19922546 A 20190401

Priority

CN 2019080776 W 20190401

Abstract (en)

[origin: WO2020199072A1] Apparatuses, storage media and methods associated with computer assisted or autonomous driving (CA/AD), are disclosed herein. A method comprises correspondingly processing a plurality of sequences of images collected by a CA/AD system (100,400) of the CA/AD vehicles (352a-352c) to detect objects (70) on the plurality of roadways; individually processing the sequences of images collected to detect objects (70) on the plurality of roadways via single camera motion based object detection analysis; collectively processing the sequences of images collected to detect objects (70) on the plurality of roadways via multi-view object detection analysis; and generating the autonomous driving dataset based at least in part on the object detection results of the corresponding, individual and collective processing of the sequence of images.

IPC 8 full level

G06K 9/00 (2022.01); B60W 50/00 (2006.01); G06K 9/62 (2022.01); G06N 3/08 (2006.01); G06T 3/40 (2006.01); G06T 7/73 (2017.01); G06V 10/774 (2022.01); G06V 10/82 (2022.01); G06V 10/94 (2022.01); G06V 20/56 (2022.01)

CPC (source: EP US)

G06F 18/2413 (2023.01 - EP); G06N 3/08 (2013.01 - EP); G06V 10/774 (2022.01 - EP US); G06V 10/82 (2022.01 - EP US); G06V 10/95 (2022.01 - EP US); G06V 20/56 (2022.01 - EP US); B60W 60/001 (2020.02 - EP); B60W 2050/0088 (2013.01 - EP); G06N 3/044 (2023.01 - EP); G06N 3/045 (2023.01 - EP)

Citation (search report)

- [XI] US 2018373263 A1 20181227 - GRAY ANDREW [US]
- [A] PEREIRA MARCELO ET AL: "Self calibration of multiple LIDARs and cameras on autonomous vehicles", ROBOTICS AND AUTONOMOUS SYSTEMS, ELSEVIER BV, AMSTERDAM, NL, vol. 83, 31 May 2016 (2016-05-31), pages 326 - 337, XP029674185, ISSN: 0921-8890, DOI: 10.1016/J.ROBOT.2016.05.010
- See also references of WO 2020199072A1

Designated contracting state (EPC)

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