Title (en)
SYSTEM AND METHOD FOR OBSTACLE-FREE DRIVING

Title (de)
SYSTEM UND VERFAHREN ZUM HINDERNISFREIEN FAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE CONDUITE SANS OBSTACLE

Publication
EP 4274770 A4 20240110 (EN)

Application
EP 21938463 A 20210430

Priority
CN 2021091451 W 20210430

Abstract (en)
[origin: WO2022226989A1] An apparatus (220) and a method for object detection in a reflective surface (101) is provided. The disclosure relates to a self-driving vehicle comprising the apparatus (220) for operating the vehicle according to the method for automated driving support. The apparatus (220) comprises at least one processor (225) configured to : receive a sequence of input image frames; detect a reflective surface (101) in the sequence of input image frames; perform object detection within the detected reflective surface (101); and allocate one or more detected objects (570) for specifying an object trajectory. The method comprises: receiving a sequence of input image frames; detecting a reflective surface (101) in the sequence of input image frames; performing object detection within the detected reflective surface (101); allocating one or more detected objects (570) for specifying an object trajectory. The self-driving vehicle comprises the apparatus (220) for detecting object trajectory. The self-driving vehicle comprises the apparatus (220) for detecting objects (570) within a reflective surface (101) for operating the vehicle according to the method for detecting objects (570) within a reflective surface (101) for automated driving support.

IPC 8 full level
B60W 30/08 (2012.01); **B60W 30/095** (2012.01); **G06V 20/58** (2022.01); **G08G 1/16** (2006.01)

CPC (source: EP)
G06T 7/11 (2016.12); **G06T 7/20** (2013.01); **G06V 10/25** (2022.01); **G06V 20/56** (2022.01); **G06V 20/58** (2022.01); **G08G 1/167** (2013.01); G06T 2207/10016 (2013.01); G06T 2207/30241 (2013.01)

Citation (search report)
• [XI] US 2018178800 A1 20180628 - ISHII YASUNORI [JP], et al
• See references of WO 2022226989A1

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)
WO 2022226989 A1 20221103; CN 117500709 A 20240202; EP 4274770 A1 20231115; EP 4274770 A4 20240110

DOCDB simple family (application)
CN 2021091451 W 20210430; CN 202180097627 A 20210430; EP 21938463 A 20210430