

Title (en)
VEHICLE ALIGNMENT AND SENSOR CALIBRATION SYSTEM

Title (de)
FAHRZEUGAUSRICHTUNGS- UND -SENSORKALIBRIERUNGSSYSTEM

Title (fr)
ALIGNEMENT DE VÉHICULE ET SYSTÈME D'ÉTALONNAGE DE CAPTEUR

Publication
EP 3997415 A1 20220518 (EN)

Application
EP 20836603 A 20200711

Priority

- US 201962872908 P 20190711
- US 202063040083 P 20200617
- IB 2020056533 W 20200711

Abstract (en)
[origin: WO2021005578A1] A system and method for aligning a target (32) or light sensor (40) to a vehicle (24) for calibration of a sensor (34) or alignment of a light (114) on the vehicle (24) includes multiple non-contact wheel alignment sensors (28) for use in determining the orientation of the vehicle (24). A target adjustment frame (26) includes a target mount (90) moveably mounted on a base frame (60), and multiple actuators (74, 80, 88, 94) configured to selectively move the target mount (90) relative to the base frame (60), where the base frame (60) is in a known orientation. A computer system selectively actuates the actuators to position a target (32) or light sensor (40) relative to the vehicle (24), with the target mount (90) being moveable about a plurality of axes based on the determination of the orientation of the vehicle (24) relative to the target adjustment frame (26).

IPC 8 full level
G01B 11/275 (2006.01); **B60S 9/00** (2006.01); **G01M 17/013** (2006.01); **G01M 99/00** (2011.01)

CPC (source: EP KR)
B66F 7/065 (2013.01 - EP KR); **G01B 11/2755** (2013.01 - EP KR); **G01B 2210/12** (2013.01 - EP KR); **G01B 2210/143** (2013.01 - EP KR); **G01B 2210/286** (2013.01 - EP KR)

Citation (search report)
See references of WO 2021005578A1

Cited by
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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

DOCDB simple family (publication)
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IB 2020056533 W 20200711; AU 2020309243 A 20200711; CA 3146507 A 20200711; CN 202080057981 A 20200711; EP 20836603 A 20200711; JP 2022501209 A 20200711; KR 20227004620 A 20200711