Title (en)

ROBOTIC TARGET ALIGNMENT FOR VEHICLE SENSOR CALIBRATION

Title (de)

ROBOTISCHE ZIELAUSRICHTUNG ZUR FAHRZEUGSENSORKALIBRIERUNG

Title (fr)

ALIGNEMENT DE CIBLE ROBOTIQUE PERMETTANT UN ÉTALONNAGE DE CAPTEUR DE VÉHICULE

Publication

EP 3906398 A1 20211110 (EN)

Application

EP 19907988 A 20191231

Priority

- US 201862786896 P 20181231
- US 201916398404 A 20190430
- IB 2019061464 W 20191231

Abstract (en)

[origin: WO2020141455A1] Robotic system and method for aligning a target (36) to an equipped vehicle (34) for calibration of a sensor (32) on the equipped vehicle (34) includes a vehicle support stand (42, 142, 242) upon the equipped vehicle (34) is disposed in an established known position for calibration of the sensor (32), and a robotic manipulator (38) having a multi-axis robotic arm (38a) configured to moveably hold a target (36). The robotic manipulator (38) is configured to position the target (36) into a calibration position relative to the sensor (32) on the vehicle (34) by longitudinal movement of the robotic manipulator (38) relative to the support stand (42, 142, 242) and by movement of the robotic arm (38a) based on the established known position of the vehicle (34) on the support stand (42, 142, 242) whereby the sensor is able to be calibrated using the target (36).

IPC 8 full level

G01M 17/007 (2006.01)

CPC (source: EP KR)

G01B 11/2755 (2013.01 - EP); **G01M 17/0074** (2013.01 - EP KR); **G01S 7/4026** (2013.01 - EP); **G01S 7/4086** (2021.05 - EP); **G01S 7/4972** (2013.01 - EP); **G01S 7/52004** (2013.01 - EP); **G01S 13/931** (2013.01 - EP); **G01S 15/931** (2013.01 - EP); **G01S 17/931** (2020.01 - EP); G01S 2013/9323 (2020.01 - EP); G01S 2013/9324 (2020.01 - EP)

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)

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