Title (en)

VEHICLE TEST BENCH FOR CALIBRATING AND/OR TESTING SYSTEMS OF A VEHICLE, WHICH COMPRISE AT LEAST ONE CAMERA, AND METHOD FOR CARRYING OUT THE CALIBRATING AND/OR TESTS OF SYSTEMS OF A VEHICLE, WHICH COMPRISE AT LEAST ONE CAMERA

Title (de)

FAHRZEUGPRÜFSTAND ZUM KALIBRIEREN UND/ODER TESTEN VON SYSTEMEN EINES FAHRZEUGS, DIE WENIGSTENS EINE KAMERA UMFASSEN SOWIE VERFAHREN ZUR DURCHFÜHRUNG DER KALIBRIERUNG UND/ODER TESTS VON SYSTEMEN EINES FAHRZEUGS, DIE WENIGSTENS EINE KAMERA UMFASSEN

Title (fr)

BANC D'ESSAI POUR VÉHICULE DESTINÉ À ÉTALONNER ET/OU TESTER LES SYSTÈMES D'UN VÉHICULE QUI COMPRENNENT AU MOINS UNE CAMÉRA ET PROCÉDÉ POUR ÉTALONNER ET/OU TESTER LES SYSTÈMES D'UN VÉHICULE QUI COMPRENNENT AU MOINS UNE CAMÉRA

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Application

EP 17780300 A 20170915

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Abstract (en)

[origin: WO2018050173A1] The invention relates to a vehicle test bench for calibrating and/or testing systems of a vehicle, which comprise at least one camera. The vehicle test bench comprises a nominal position for the vehicle. At least one surface reproducing an image display and/or representing an image display is associated with the cameras of the systems to be tested. A plurality of elements absorbing scattered light respectively consist of a wall-type enclosure of the vehicle test bench, reducing the penetration of light into the vehicle test bench. A plurality of wall-type enclosures provide an all-round lateral delimitation of the vehicle test bench. A carrier structure is provided, with at least one long carrier element arranged above the vehicle, and adjustment means for moving at least one of the at least one surfaces reproducing an image display or representing an image display, and/or at least one unit for checking a radar sensor and/or at least one unit for checking an optical distance sensor and/or at least one unit for checking a night-vision device of the vehicle in the horizontal direction along the at least one carrier element. The invention also relates to a method, in which two cameras, by means of which a three-dimensional structure should be identified in a stereophotogrammetric evaluation, are tested in a coordinated manner, the individual images seen by the two cameras respectively for identification of the three-dimensional structure being represented in a temporal sequence. The individual images of the two cameras can also be separated by the polarisation direction of the light or different wavelengths.

IPC 8 full level

G01M 17/00 (2006.01); **G06T 7/593** (2017.01); **G06T 7/80** (2017.01); **H04N 17/00** (2006.01)

CPC (source: EP KR US)

G01M 17/00 (2013.01 - EP KR US); **G01M 17/007** (2013.01 - US); **G06T 7/593** (2017.01 - KR US); **G06T 7/85** (2017.01 - EP KR US); **G07C 5/0808** (2013.01 - US); **H04N 13/246** (2018.05 - EP KR US); G06T 2207/10012 (2013.01 - EP US); G06T 2207/30252 (2013.01 - EP)

Citation (examination)

RADFAR EDALAT ET AL: "single-channel stereoscopic video imaging modality based on a transparent rotating deflector", PROGRESS IN BIOMEDICAL OPTICS AND IMAGING, SPIE - INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, BELLINGHAM, WA, US, vol. 9330, 9 March 2015 (2015-03-09), pages 93301N - 93301N, XP060049264, ISSN: 1605-7422, ISBN: 978-1-5106-0027-0, DOI: 10.1117/12.2079267

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DOCDB simple family (application)

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