Title (en)

METHOD FOR DETERMINING PARAMETERS OF THE VEHICLE GEOMETRY OF WHEELS OF A NON-ARTICULATED AXIS, USE OF THE METHOD, TEST STAND FOR A VEHICLE AND MEASURING UNIT

Title (de)

VERFAHREN ZUR BESTIMMUNG VON PARAMETERN DER FAHRWERKGEOMETRIE VON RÄDERN EINER NICHT GELENKTEN ACHSE, VERWENDUNG DES VERFAHRENS, PRÜFSTAND FÜR EIN FAHRZEUG SOWIE EINE MESSEINHEIT

Title (fr)

PROCÉDÉ PERMETTANT DE DÉFINIR LES PARAMÈTRES DE LA GÉOMÉTRIE DE ROULEMENT DES ROUES D'UN ESSIEU SUIVEUR, UTILISATION DUDIT PROCÉDÉ, BANC D'ESSAI DE VÉHICULE ET UNITÉ DE MESURE

Publication

EP 3485226 A1 20190522 (DE)

Application

EP 17749114 A 20170712

Priority

- DE 102016112712 A 20160712
- DE 2017100575 W 20170712

Abstract (en)

[origin: WO2018010729A1] The present invention relates to a method for determining parameters of the vehicle geometry of wheels of a non-articulated axis, to the use of said method, to a test stand for a vehicle and a measuring unit. The method relates to determining parameters of the vehicle geometry of the wheels of the rear axle of a vehicle from measurements of the toe angle in two measuring positions of the vehicle in the test state which are offset counter to each other in the x-direction. Thus, a wheel runout compensation is carried out. The thus determined vehicle axis can be used to adjust the driver assistance system and also to adjust the parameters of the vehicle geometry of the articulated wheels of the front axis. A measuring unit can be constructed such that several parallel lines for generating a flat pattern are generated by a parallel shifting of a sensor in the x-direction, which emits linear light with a line. Said type of line-shaped sensor can be replaced by a sensor having a punctiform light source, through which a line is scanned.

IPC 8 full level

G01B 11/275 (2006.01)

CPC (source: EP KR US)

G01B 11/2755 (2013.01 - EP KR US); G01B 2210/286 (2013.01 - EP KR US)

Citation (search report)

See references of WO 2018010729A1

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)

DE 102016112712 A1 20180118; CN 109661562 A 20190419; EP 3485226 A1 20190522; JP 2019522200 A 20190808; KR 20190026855 A 20190313; US 2019301859 A1 20191003; WO 2018010729 A1 20180118

DOCDB simple family (application)

DE 102016112712 A 20160712; CN 201780043074 A 20170712; DE 2017100575 W 20170712; EP 17749114 A 20170712; JP 2019500543 A 20170712; KR 20197003645 A 20170712; US 201716317409 A 20170712