

Title (en)

APPARATUS FOR CHASSIS MEASUREMENT, AND METHOD FOR CHASSIS MEASUREMENT

Title (de)

VORRICHTUNG ZUR FAHRWERKSVERMESSUNG UND VERFAHREN ZUR FAHRWERKSVERMESSUNG

Title (fr)

DISPOSITIF DE MESURE DE CHÂSSIS ET PROCÉDÉ DE MESURE DE CHÂSSIS

Publication

EP 3928061 A1 20211229 (DE)

Application

EP 20719927 A 20200221

Priority

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Abstract (en)

[origin: WO2020169155A1] The invention relates to an apparatus for chassis measurement. The problem to be solved by the invention is that of providing an apparatus for determining the alignment of the wheels of a motor vehicle, which device can be used by body shops without the body shops incurring excessive costs, is compact and thus does not require permanently installed expansions, and can be easily used and has low operating costs and high operating flexibility. According to the invention, this is achieved by a detachably fixed measurement head apparatus on the vehicle wheel to be measured, wherein the measurement markings are positioned parallel to the front and rear side of the vehicle or the vehicle stand level and the markings can have scales, numbers, letters or color codes. After arranging the fastening apparatus and positioning the measurement markings, the laser light source is activated and a plane is projected in space, wherein the length of these laser light lines simultaneously generates at least intersection points together with the measurement markings, the intersection points of which are detected as track gauge and used for computation in order to determine the fall, trailing and spread data and the virtual longitudinal travel axis of the vehicle. By means of a camera-assisted measurement value detection apparatus, different electromagnetic spectra for each wheel to be measured are detected and supplied for data processing.

IPC 8 full level

G01B 11/275 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2020169155A1

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Designated extension state (EPC)

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DOCDB simple family (application)

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