

Title (en)
ANGLE-MEASURING ASSEMBLY

Title (de)
WINKELMESSANORDNUNG

Title (fr)
SYSTÈME DE MESURE ANGULAIRE

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Application
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Abstract (en)
[origin: WO2018206318A1] The invention relates to an angle-measuring assembly (23) for sensing a pivot angle (α) between the longitudinal center axis (M1) of a towing vehicle (2) and the longitudinal center axis (M2) of a trailer (3), which is coupled to the towing vehicle (2) by means of a coupling (4), in particular a releasable coupling, forming a pivot axis (A) at the vertex (P) of the pivot angle (α), the coupling (4) having a first coupling element (5) connected to the towing vehicle (2) and a second coupling element (6) connected to the trailer (3), the angle-measuring assembly comprising a measurement indicator (13) associated with the coupling (4) for producing a magnetic field, a measurement sensor (14) associated with the coupling (4) for sensing the magnetic field and an evaluating device for determining the pivot angle (α) in accordance with the magnetic field sensed by the measurement sensor (14). According to the invention, the measurement indicator (13), as a transmitting coil (17), and the measurement sensor (14), as a receiving coil (18), are both arranged on the first coupling element (5) or are both arranged on the second coupling element (6) and a magnetic-field manipulator (10) is arranged on the second or the first coupling element (6, 5), which magnetic-field manipulator lies at least substantially radially opposite the measurement indicator (13) and the measurement sensor (14) with respect to the pivot axis (A).

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