

Title (en)
DEVICE AND METHOD FOR DETERMINING AN ORIENTATION OF A SEMITRAILER OR TRAILER

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ERMITTLUNG EINER RÄUMLICHEN AUSRICHTUNG EINES AUFLIEGERS ODER ANHÄNGERS

Title (fr)
DISPOSITIF ET PROCEDE POUR DETERMINER UNE ORIENTATION DANS L'ESPACE D'UNE SEMI-REMORQUE OU D'UNE REMORQUE

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Application
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Abstract (en)
[origin: WO2004109326A1] The invention relates to a device for determining an orientation of a semitrailer (6) or trailer that is connected to a traction vehicle (5). Said device comprises sensor means (7, 8) that are disposed on the traction vehicle (5) and generate sensor signals describing the orientation of the semitrailer (6) or trailer relative to the traction vehicle (5), the sensor means (7, 8) detecting contours of the semitrailer (6) or trailer. The sensor signals generated by the sensor means (7, 8) contain image data of a two-dimensional representation (16) and/or a linear scan (16') of the detected contours of the semitrailer (6) or trailer. An evaluation unit (15) determines at least one angular variable describing an angle between the traction vehicle (5) and the semitrailer (6) or trailer based on said image data. Additionally, the dipping movement and/or rolling movement of the semitrailer (6) or trailer relative to the roadway surface can be determined if data is provided about the orientation of the traction vehicle (5), especially data about the dipping movement and/or rolling movement of the traction vehicle (5).

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