

Title (en)

METHOD AND DEVICE FOR POSITIONING AND LEVELLING BEARINGS FOR ASSEMBLING THE FLOOR AND FOR OTHER INSTALLATION COMPONENTS IN VEHICLES, IN PARTICULAR, IN RAIL VEHICLES FOR TRANSPORTING PASSENGERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM POSITIONIEREN UND NIVELLIEREN VON AUFLAGERN FÜR DEN FUSSBODENAUFBAU UND FÜR SONSTIGE EINBAUTEILE IN FAHRZEUGEN, INSBESONDERE SCHIENENFAHRZEUGE ZUR PERSONENBEFÖRDERUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR POSITIONNER ET METTRE AU NIVEAU DES SUPPORTS POUR LE MONTAGE D'UN REVETEMENT DE SOL ET POUR D'AUTRES ELEMENTS D'INSTALLATION DANS DES VEHICULES, EN PARTICULIER DES VEHICULES SUR RAIL POUR LE TRANSPORT DE PERSONNES

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Abstract (en)

[origin: WO0076824A1] The invention aims to improve the positioning and levelling of bearings and installation components for subsequent floor construction in such a way, that the positioning process is simplified, whilst increasing the accuracy and simultaneously compensating for deviations in the shell assembly. To achieve this, a virtual reference plane (BE), formed by a reference frame (8) is mounted onto a bearing or reference surface (7) section by section, across the width of the vehicle. Said reference frame is used to locate the bearings (15, 16) in their exact position and to determine the level of their height (HN), in relation to the reference plane (BE). Their deviation is compensated by compensation elements (14) and the reference frame (8) is then placed in the next section. Bearing or reference surfaces (7) are mounted onto the longitudinal side-members (1) or side walls which run in the longitudinal direction of the vehicle. A reference frame (8) consisting of longitudinal struts (2, 3) and transverse struts (4, 5, 6) which extends over the sub-floor is fixed to said bearing or reference surfaces. The longitudinal struts and transverse struts (2, 3, 4, 5, 6) are configured as measuring rules for positioning the bearings (15, 16), as stops for said bearings in their final position and as a reference plane (BE) for determining the level of their height (HN).

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