

Title (en)  
DEVICE FOR HAND-DRIVEN OPERATION OF A GUIDED WHEEL

Title (de)  
VORRICHTUNG ZUM HANDANTRIEB EINES GELENKTEN RADES

Title (fr)  
SYSTEME DE COMMANDE MANUELLE D'UNE ROUE GUIDEE

Publication  
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Application  
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Abstract (en)  
[origin: WO2005100142A2] The invention relates to a device for hand-driven operation of a guided wheel (R) which is arranged on a steering gear (1) and which can be pivoted about a steering axis (L) which is oriented in a perpendicular manner in relation to the axis of rotation (D) of the guided wheel, comprising a first handle (20), a first coupling device (21) arranged on the first handle (20), a second handle (22), a second coupling device (23) arranged on the second handle (22), a guiding device (2) which can be pivoted about the steering axis (L) and which mechanically cooperates with the steering device (1) for moveably mounting the handles (20,22) and with a power transmission train (3) which is coupled in a traction power transmitting manner to the second coupling device via coupling points in order to transmit a movement of the handles (20,22) to a drive device which cooperates with the hub (N) of the guided wheel (R) and which converts the movement of the handles (20,22) into a rotational movement of the guided wheel (R), wherein the guide device (2) includes restricted mechanical guidance of the handles (20,22) such that the handles (20,22) can be moved symmetrically in relation to a symmetrical plane of guidance wherein the steering axis (L) lies and which is oriented in a perpendicular manner in relation to the axis of rotation (D) of the guided wheel (R). According to the invention, the power transmission train (3) extends from the first coupling device (21) via deflecting elements (35,36,37,38), resulting in a modification of the direction of extension of the power transmission train (3), in a second power transmission section (31) to the second coupling device (23) such that the coupling devices (21,23) move the coupling pints of the power transmission train (3) on substantially linear drive paths.

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