

Title (en)
VEHICLE HAVING A WHEEL-SELECTIVE DRIVE TORQUE ASSEMBLY AND ARTICULATED JOINT, AND METHOD FOR CONTROLLING THE VEHICLE

Title (de)
FAHRZEUG MIT RADSELEKTIVER ANTRIEBSMOMENTANORDNUNG UND KNICKGELENK SOWIE VERFAHREN ZUM STEUERN DES FAHRZEUGS

Title (fr)
VÉHICULE COMPRENANT UN ENSEMBLE À COUPLE D'ENTRAÎNEMENT À CONTRÔLE SÉLECTIF PAR ROUE ET UNE ARTICULATION PIVOTANTE ET PROCÉDÉ DE COMMANDE DU VÉHICULE

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Abstract (en)
[origin: WO2019091510A1] In vehicles, different steering strategies are implemented for cornering. For example, skid steering, which is used in tracked vehicles and also in construction machines, is known from military technology. In skid steering, the left and right wheels or tracks of the vehicle are accelerated or braked with different intensity. Thus, steering by means of drives and/or brakes is enabled. The wheels or track sections are not turned. Because of the different wheel rotational speeds or track speeds, a torque about the vertical axis of the vehicle is created, and therefore the vehicle rotates. The invention relates to a vehicle (1), comprising a first axle section (2a), the first axle section (2a) having a first axle (3a), a second axle section (2b), the second axle section (2b) having a second axle (3b), a wheel-selective drive torque assembly (10), at least one of the axles (3a, 3b) being designed as an axle that is torque-influenced by the wheel-selective drive torque assembly (10), a control device (6), the control device (6) being designed to control the wheel-selective drive torque assembly (10) in order to convert a steering command into cornering of the vehicle (1), and an articulated joint (9), the first and second axle sections (2a, 2b) being coupled to each other by means of the articulated joint (9).

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See references of WO 2019091510A1

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