

Title (en)
METHOD FOR IMPROVING THE SUITABILITY FOR TOWING OF A VEHICLE WHICH IS EQUIPPED WITH A CONE PULLEY TRANSMISSION,
AND CONE PULLEY PAIR

Title (de)
VERFAHREN ZUM VERBESSERN DER ABSCHLEPPEIGNUNG EINES MIT EINEM KEGELSCHLEIBENUMSCHLINGUNGSGETRIEBE
AUSGERÜSTETEN FAHRZEUGS SOWIE KEGELSCHLEIBENPAAR

Title (fr)
PROCEDE D'AMELIORATION DE L'APTITUDE AU REMORQUAGE D'UN VÉHICULE ÉQUIPÉ D'UNE TRANSMISSION À POULIES CONIQUES
ET COURROIE, AINSI QUE PAIRE DE POULIES CONIQUES

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Abstract (en)
[origin: WO2007071227A1] A cone pulley pair for a cone pulley transmission comprises an input shaft which is connected rigidly to a fixed disc, a moving disc which is arranged fixedly in terms of rotation and axially displaceably on the shaft, an input component which can be driven by a drive motor, a torque sensing device having a first component which is in torque-transmitting engagement with the input component and has first shaped surfaces, and having a second component which is in torque-transmitting engagement with the moving disc and has second shaped surfaces, and rolling bodies which are arranged between the shaped surfaces, which shaped surfaces are configured in such a way that, as the torque which acts between the shaped surfaces increases, the shaped surfaces are moved away from one another counter to a force which pushes the shaped surfaces towards one another, with rolling of the rolling bodies which are arranged between them, the shaped surfaces being configured in such a way that, in the case of a low or absent force which pushes them towards one another, they are moved away from one another in such a way that the rolling bodies run over the shaped surfaces and the torque transmission between the first component and the second component is interrupted.

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