

Title (en)

ADAPTIVE HYDROPNEUMATIC RUNNING GEAR FOR TRACKED VEHICLES

Title (de)

ADAPTIVES HYDROP-LAUFWERK FÜR KETTENFAHRZEUGE

Title (fr)

MÉCANISME DE ROULEMENT HYDROPNEUMATIQUE ADAPTATIF POUR VÉHICULES À CHENILLES

Publication

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Application

EP 14731222 A 20140613

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Abstract (en)

[origin: WO2015003874A1] The invention relates to adaptive hydropneumatic running gear (30), comprising at least a crawler track (2), roller running gear (3), a drive wheel (4), a guide wheel (8), and rollers (5), which are supported on a vehicle pan (1') of a vehicle (1) by means of hydropneumatic elements (6). In order to prevent the track (2) from becoming slack and being thrown off in the event of relatively large effects on the rollers (6), it is provided for the effect absorbed at one of the hydropneumatic elements (6) to be determined and forwarded to the subsequent hydropneumatic element (6) as information and damping effect. For this purpose, a control unit (18) is incorporated, which evaluates the dynamic and static characteristic data of the individual hydropneumatic elements (6) determined by at least one measuring element (31) located on the hydropneumatic element (6), and the damping of the subsequent hydropneumatic element (6) is then influenced in evaluation of said data, in such a way that the determined data are provided to the subsequent hydropneumatic element (6) and implemented in the damping characteristics of said subsequent hydropneumatic element (6).

IPC 8 full level

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Citation (search report)

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