

Title (en)
AN ASSEMBLY ON A TERRAIN-TRAVELLING MOTOR VEHICLE.

Title (de)
EINE VORRICHTUNG AN EINEM GELÄNDEGÄNGIGEN MOTORFAHRZEUG.

Title (fr)
ENSEMBLE SUR VEHICULE A MOTEUR TOUT-TERRAIN.

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Application
EP 93913649 A 19930615

Priority
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• NO 922342 A 19920615

Abstract (en)
[origin: WO9325429A1] A terrain-travelling motor vehicle (1) having a pair of caterpillar bogies (2) pivotably attached to the frame (3) of the vehicle and comprising a rear pair of drive wheels (5) mounted on the frame (3) of the vehicle and a front pair of wheels (7), wherein each said wheel (7a) is supported on a pivotable belt tensioning arm (9) on the forward end of a bogie arm (8) provided in each bogie (2), which bogie arm is supported at the rear end thereof by means of shaft journals (4) proximate to and in front of the center axis of the rear pair of wheels (5). The bogie arms (8) with belt tensioning arms (9) are movable in the vertical plane by means of hydraulic pressure cylinders (6) for independent upward and downward pivoting of the bogies. The belt tensioning arms (9) are movable by means of respective hydraulic pressure cylinders (10) the ends of which are connected to the belt tensioning arm (9) and the bogie arm (8) for maintenance of the desired tautness in the bogie belt during the pivoting movement of the bogie arm (8), as well as during the continual changes in configuration of the lower part of the bogie belt. A belt supporting wheel (11) for the lower part of the belt is provided between the front and rear wheels (7a and 5a) of each bogie (2). An auxiliary bogie arm (8a) is pivotably mounted (15) at the center section thereof on the forward end of the bogie arm (8). The belt tensioning arm (9) with the front wheel (7a) and the belt supporting wheel (11), respectively, are provided at the forward and rearward end of the auxiliary bogie arm (8a). The one end of the pressure cylinder (10) opposite the belt tensioning arm (9) is supported on the auxiliary bogie arm (8a).

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