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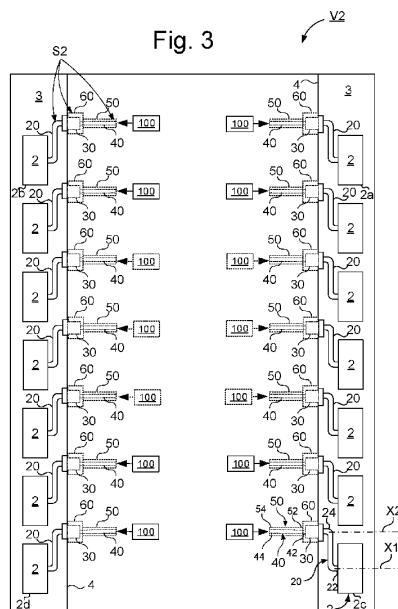
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(54) Title: SUSPENSION SYSTEM FOR A TRACKED VEHICLE



(57) Abstract: The present invention relates to a suspension system (S; S1; S2) for a tracked vehicle (V; V1; V2). Said tracked vehicle comprises a vehicle body (4), a pair of opposite track assemblies (T1, T2), the respective track assembly comprising a plurality of road wheels (2) and an endless track (3) disposed around said wheels. Said suspension system comprises a road wheel arm (20) having a wheel axle portion (22) configured to support a road wheel of the vehicle and a pivot axle portion (24), the road wheel arm (20) being pivotably journaled at said pivot axle portion (24) to a support portion (30) configured to be fixed to the vehicle body (4). The suspension system comprises a torsion bar (40) having a first end portion (42) and an opposite second end portion (44), the first end portion (42) being connected to the support portion (30). The suspension system comprises an adjustment device (100) connected to the second end portion (44) of the torsion bar (40), the adjustment device being configured to adjust the torque on the torsion bar so as to adjust the height of the vehicle body relative to said pair of track assemblies. The invention also relates to a tracked vehicle with such a suspension system and a method for controlling such a suspension system.

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