CLAIMS

1. A tracked vehicle ~~(10; 11)~~ comprising a vehicle body ~~(30, 32; 30)~~, at least one track assembly ~~(21)~~ and a suspension device ~~(S; S1)~~, wherein said track assembly ~~(21)~~ is arranged to be supported by said vehicle body ~~(30, 32; 30)~~ by means of said suspension ~~device (S; S1)~~, said track assembly comprising a track support beam ~~(22)~~ for supporting a plurality of road wheels ~~(23, 23a)~~, an endless track ~~(25)~~ being disposed around said road wheels, ~~**characterized in that**~~wherein said suspension device ~~(S; S1)~~ comprises a bogie arrangement ~~(50; 150)~~ rotatably attached to a fastening point ~~(P0)~~ of said vehicle body ~~(30, 32; 30)~~ about an axis of rotation ~~(Z0)~~ transversal to the longitudinal extension of said track assembly ~~(21)~~ and attached to said track support beam ~~(22)~~ in connection to at least two fastening points ~~(P1, P2)~~ so that the track support beam ~~(22)~~ is allowed to rotate in a rotational plane extending along the longitudinal extension of said track support beam ~~(22)~~ about said axis of rotation ~~(Z0).~~ wherein said bogie arrangement comprises two bogie arms pivotably connected to each other and rotatably attached to a respective fastening point of said at least two fastening points of said track support beam so that said bogie arms are allowed to move relative to each other in said rotational plane and wherein said bogie arrangement comprises distance adjustment means for allowing a distance change between at least one of said fastening points in the track support beam and said fastening point in the vehicle body for facilitating said allowance of movement of said bogie arms relative to each other in said rotational plane.

~~2. A tracked vehicle according to claim 1, wherein said bogie arrangement (50; 150) comprises two bogie arms (52, 54; 152, 154) pivotably connected to each other and rotatably attached to a respective fastening point (P1, P2) of said at least two fastening points (P1, P2) of said track support beam (22) so that said bogie arms (52, 54; 152, 154) are allowed to move relative to each other in said rotational plane.~~

~~3. A tracked vehicle according to claim 2, wherein said bogie arrangement (50; 150) comprises distance adjustment means for allowing a distance change between at least one of said fastening points (P1, P2) in the track support beam (22) and said fastening point (P0) in the vehicle body (30, 32; 30) for facilitating said allowance of movement of said bogie arms (52, 54; 152, 154) relative to each other in said rotational plane.~~

~~4.~~2. ~~A~~The tracked vehicle according to claim ~~2 or 3~~1, wherein said two bogie arms ~~(52, 54; 152, 154)~~ in one of their respective end portions ~~(52a, 54a)~~ are rotatably attached to the vehicle body ~~(30, 32; 30)~~ in said fastening point ~~(P0)~~ of the vehicle body ~~(30, 32; 30)~~ such that they are rotatable relative to each other about said axis of rotation ~~(Z0)~~ and in their respective other end portions ~~(52b, 54b)~~ are rotatably attached to a respective fastening point ~~(P1, P2)~~ of said at least two fastening points ~~(P1, P2)~~ in the track support beam ~~(22)~~, about a respective axis of rotation ~~(Z1, Z2)~~ transversal to the longitudinal extension of said track assembly ~~(21)~~.

~~5.~~3. ~~A~~The tracked vehicle according to claim ~~3 or 4~~1, wherein said adjustment means comprises a crank throw configuration ~~(58)~~ for at least one of said rotatable attachments of said other end portion ~~(52b, 54b)~~ of a bogie arm ~~(52, 54; 152, 154)~~ and a fastening point ~~(P1, P2)~~ of said at least two fastening points ~~(P1, P2)~~.

~~6.~~4. ~~A~~The tracked vehicle according to claim ~~3 or 4~~1, wherein said adjustment means comprises a slide configuration for at least one of said rotatable attachments of said other end portion ~~(52b, 54b)~~ of bogie arm ~~(52, 54; 152, 154)~~ and a fastening point ~~(P1, P2)~~ of said at least two fastening points ~~(P1, P2)~~.

~~7.~~5. ~~A~~The tracked vehicle according to ~~any preceding~~ claim 1, wherein said suspension device ~~(S; S1)~~ further comprises a suspension configuration ~~(60)~~ for damping the movement of said bogie arrangement ~~(50; 150)~~ and hence the movement of the track assembly ~~(21)~~ relative to the vehicle body ~~(30, 32;~~

~~30)~~ and/or for controlling the position of the bogie arrangement ~~(50; 150)~~ and hence the position of the track assembly ~~(21)~~ relative to the vehicle body ~~(30)~~.

~~8.~~6. ~~A~~The tracked vehicle according to claim ~~7~~5, wherein said suspension configuration ~~(60; 160)~~ is arranged between the vehicle body ~~(30, 32; 30)~~ and at least one of said two bogie arms ~~(52, 54)~~ for damping the movement of said at least one bogie arm ~~(52, 54)~~ and/or controlling the position of said at least one bogie arm ~~(52, 54)~~ in said rotational plane.

~~9.~~7. ~~A~~The tracked vehicle according to claim ~~7~~5, wherein said suspension configuration (160) is arranged between said two bogie arms (152, 154) for damping the movement of said at bogie arms (152, 154) and/or controlling the position of said at bogie arms (152, 154) in said rotational plane.

~~10.~~8. ~~A~~The tracked vehicle according to ~~any of claims 7 or 8~~claim 5, wherein said suspension configuration ~~(60, 160)~~ comprises at least one hydraulic cylinder ~~(62, 64; 162)~~.

~~11.~~9. ~~A~~The tracked vehicle according to ~~any preceding claims~~claim 1, wherein said tracked vehicle is an articulated vehicle ~~(10)~~ comprising a first vehicle unit ~~(11)~~ and a second vehicle unit ~~(11)~~ pivotably connected to the first vehicle unit via an articulation joint ~~(Y)~~, each of said vehicle units ~~(11, 12)~~ comprising a vehicle body ~~(30, 32)~~ and two track assemblies ~~(21)~~ connected to respective sides of said vehicle body ~~(30, 32)~~ by means of a suspension device comprising said bogie arrangement ~~(50; 150)~~.

~~12.~~10. ~~A~~The tracked vehicle according to ~~any preceding claims~~claim 1, wherein said tracked vehicle ~~(10)~~ is a forestry vehicle.

~~13.~~11. ~~A~~The tracked vehicle according to ~~any preceding claims~~claim 1, wherein said tracked vehicle ~~(10)~~ is a forwarder.