

CLAIMS

1. A tracked vehicle (10; 11) comprising a vehicle body (30, 32; 30) and a track assembly pair (20), said track assembly pair being arranged to suspendedly support said vehicle body (30, 32; 30) allowing relative movement
5 between said vehicle body (30, 32; 30) and each track assembly (21) of said track assembly pair (20), each track assembly (21) comprising a track support beam (22) configured to support a plurality of road wheels (23, 23a), a drive wheel (24), and a motor (110) for operating said drive wheel (24), an endless track (25) being disposed around said road wheels (23, 23a) and drive wheel
10 (24), said motor (110) being fixedly arranged to said track support beam (22),
characterized in that said motor (110) is arranged in connection to the drive wheel (24) such that a motor axle (112) essentially coaxially coincides with a centre axis (Z) of the drive wheel (24).
2. A tracked vehicle according to claim 1, wherein said motor (110) is
15 arranged in connection to the drive wheel (24) so that the motor (110) at least partly is accommodated within the periphery of the drive wheel (24) in the direction transversal to a main direction of extension of the track assembly (21) so as to allow said motor (110) to move relative to said vehicle body (30, 32; 30) together with said track assembly (21).
- 20 3. A tracked vehicle according to claim 1 or 2, wherein the motor (110) in the direction essentially perpendicular to the longitudinal direction and the transversal direction of the endless track (25) is arranged within the periphery of the endless track (25).
4. A tracked vehicle according to any of claims 1-3, wherein the motor (110)
25 is accommodated within said drive wheel (24) within the outer contours of the drive wheel (24).
5. A tracked vehicle according to any of claims 1-4, wherein said motor (110) is comprised in a drive arrangement (100), said drive arrangement (100) further comprising a transmission device (130) for transferring torque from said

motor (110) to said drive wheel (24) and a brake member (140) for braking the drive wheel (24), wherein at least one of said transmission device (130) and said brake member (140) is arranged in connection to the drive wheel (24) so that it at least partly is accommodated within the periphery of the drive wheel (24) in the direction transversal to a main direction of extension of the track assembly (21).

6. A tracked vehicle according to any of claims 1-5, wherein said motor (110) is an electric motor or a hydraulic motor, said motor comprising a stator (110b) and a rotor (110a) for providing a rotational movement of said motor axle (112) relative to the stator for said operation of the drive wheel (24).

7. A tracked vehicle according to claim 6, wherein the stator (110b) of the motor (110) is fixedly arranged relative to said track support beam (22) via a fastening arrangement (80) and the rotor (110a) of the motor (110) is arranged to drive said drive wheel (24).

8. A tracked vehicle according to claim 7, wherein said fastening arrangement (80) comprises a fork configuration (82) for supporting said drive wheel (24) and said motor (110), said drive wheel (24) being rotatably coupled to said rotor (110a).

9. A tracked vehicle according to claim 8, wherein said fastening arrangement (80) comprises clamping members (84a, 84b) for clamping said stator (110b) to said fork configuration (82).

10. A tracked vehicle according to any of claims 1-9, comprising a bearing configuration (120), said drive wheel (24) being journaled in bearings to said bearing configuration for allowing rotation of said drive wheel (24) relative to said stator (110b).

11. A tracked vehicle according to claim 10, wherein said bearing configuration (120) is arranged in an internal space of a housing portion (24c) of said drive wheel (24).

12. A tracked vehicle (10) according to any of claims 1-11, wherein said tracked vehicle (10) is a forestry machine, such as a forwarder.