



(43) International Publication Date
6 November 2014 (06.11.2014)

- (51) International Patent Classification:
B62D 55/108 (2006.01) *B60G 3/20* (2006.01)
- (21) International Application Number:
PCT/SE2014/050485
- (22) International Filing Date:
23 April 2014 (23.04.2014)
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data:
1350524-3 29 April 2013 (29.04.2013) SE
- (71) Applicant: BAE SYSTEMS HÄGGLUNDS AK-
TIEBOLAG [SE/SE]; S-891 82 Örnköldsvik (SE).
- (72) Inventor: VIGSTÅL, Hans; Storgatan 44D, S-891 34
Örnköldsvik (SE).
- (74) Agent: ZACCO SWEDEN AB; P.O. Box 5581, Valhal-
lavägen 117, S-114 85 Stockholm (SE).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

Published:

- with international search report (Art. 21(3))

(54) Title: SUSPENSION SYSTEM FOR TRACKED VEHICLES AND A TRACKED VEHICLE WITH A SUSPENSION SYSTEM

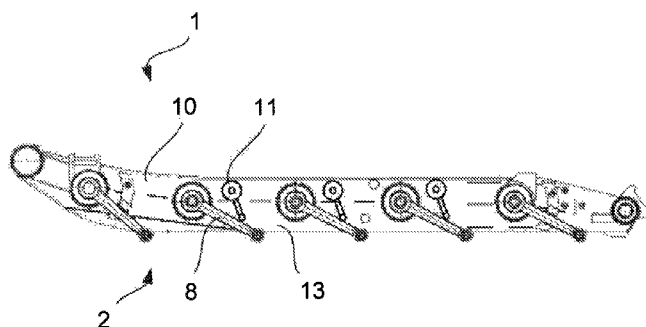


Fig. 2

(57) Abstract: The invention relates to a suspension system (2; 102) for a tracked vehicle (1) of the type, comprising support wheels (4) arranged on opposite sides of the vehicle (1) for contact against the inside of a respective endless drive track (6), the support wheels (4) being rotatably journaled at an outer end of a respective rocker arm (8), which at its inner end is pivotably journaled in the side of a vehicle body (10) of the vehicle (1). The rocker arm (8) comprises a first pivot axis (12), which extends transversely to the longitudinal extent of the vehicle (1), wherein a first torsion element (14) is rotationally fixed to the first pivot axis (12) and which first torsion element (14) is arranged to be fixedly fastened in the side of the vehicle body (10). A support device (11; 111) is arranged to cooperate with the rocker arm (8) to relieve the first torsion element (14). The invention also relates to a tracked vehicle (1) for such a suspension system (2, 102).

