

(43) International Publication Date
01 October 2020 (01.10.2020)



(10) International Publication Number
WO 2020/197479 A1

(51) International Patent Classification:
B60F 3/00 (2006.01) *B63H 1/34* (2006.01)

(21) International Application Number: PCT/SE2020/050309

(22) **International Filing Date:** 25 March 2020 (25.03.2020)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
1950380-4 28 March 2019 (28.03.2019) SE

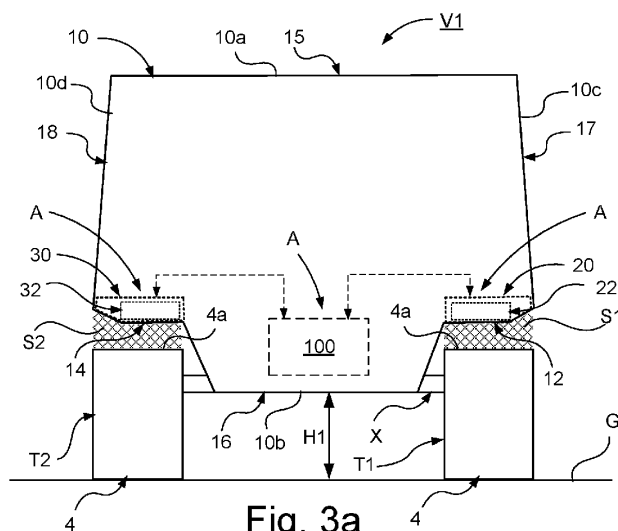
(71) Applicant: **BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG** [SE/SE]: 891 82 Örnköldsvik (SE).

(72) **Inventor:** SUNDELIN, Tom; Drevstigen 19, 892 42 Dom-
sjö (SE).

(74) **Agent: ZACCO SWEDEN AB**; P.O. Box 5581, Valhallavägen 117N, 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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, ST, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) **Title:** SWIM-ARRANGEMENT FOR AMPHIBIOUS TRACKED VEHICLE



(57) Abstract: The invention relates to a swim arrangement (A) for facilitating amphibious operation of a tracked vehicle (V1). Said tracked vehicle comprises a vehicle body (10) and a two track assemblies (T1, T2) suspendedly connected to the vehicle body for driving the vehicle, each track assembly (T1, T2) comprising a drive means driven endless track (4). The vehicle body comprises under structure portions (12, 14), each under structure portion (12, 14) running over an upper side (4a) of a track (4) of a track assembly (T1, T2). Each under structure portion (12, 14) is configured to be arranged at a distance from the upper side (4a) of the track (4) during land operation of the vehicle so that a space (S1, S2) is provided. The arrangement (A) comprises means (20, 30, 100) for reducing said space (S1, S2) so as to, during swimming operation, reduce the flow of water between the under structure portion (12, 14) and the upper side (4a) of the track (4) caused when the tracks (4) are driven.

[Continued on next page]

(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, ST, 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))*
