

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 March 2010 (25.03.2010)

PCT

(10) International Publication Number
WO 2010/033060 A1

(51) International Patent Classification:

B63H 3/08 (2006.01) **B64C 11/06** (2006.01)
B63H 3/04 (2006.01) **F03D 7/02** (2006.01)
B64C 11/42 (2006.01)

(21) International Application Number:

PCT/SE2008/051059

(22) International Filing Date:

22 September 2008 (22.09.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): **Berg Propulsion Technology AB** [SE/SE]; Box 1005, ., S-430 90 Öckerö (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **THYBERG, Conny** [SE/SE]; Västervägen 17, ., S-430 90 Öckerö (SE).

(74) Agent: **Valea AB**; Lindholmspiren 5, S-417 56 Göteborg (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

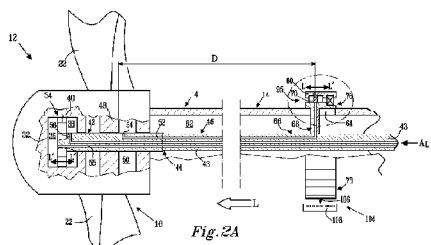
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: AN ADJUSTABLE PROPELLER ARRANGEMENT AND A METHOD OF DISTRIBUTING FLUID TO AND/OR FROM SUCH AN ADJUSTABLE PROPELLER ARRANGEMENT.



(57) Abstract: The present invention relates to an adjustable propeller arrangement comprising a drive shaft extending in a longitudinal direction and an adjustable propeller connected to the drive shaft. The adjustable propeller comprises at least one propeller blade and an adjusting member connected to the at least one propeller blade such that the pitch of the at least one propeller blade is controlled by the position, in the longitudinal direction, of the adjusting member. The arrangement comprises a conduit assembly which in turn comprises a duct located outside of the drive shaft and the conduit assembly further comprises a first conduit portion extending at least partially within the drive shaft. The conduit assembly is adapted to provide a fluid communication between the adjustable propeller and the duct.



WO 2010/033060 A1