



(43) International Publication Date
28 June 2012 (28.06.2012)

(51) International Patent Classification:

G01M 10/00 (2006.01) *F03B 13/26* (2006.01)
E02B 17/02 (2006.01) *F03B 17/06* (2006.01)
E02D 15/08 (2006.01)

(21) International Application Number:

PCT/EP2011/073788

(22) International Filing Date:

22 December 2011 (22.12.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10196786.7 23 December 2010 (23.12.2010) EP

(71) Applicant (for all designated States except US): **OPEN-HYDRO IP LIMITED** [IE/IE]; South Dock House, Hanover Quay, Dublin, 2 (IE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DUNNE, Paul** [IE/IE]; 12 Homefarm Park, Drumcondra, Dublin, 9 (IE). **IVES, James** [GB/IE]; South Dock House, Hanover Quay, Dublin, 2 (IE).

(74) Agent: **O'NEILL, Brian**; 27 Clyde Road, Dublin, 4 (IE).

(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, 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, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: A HYDROELECTRIC TURBINE TESTING METHOD

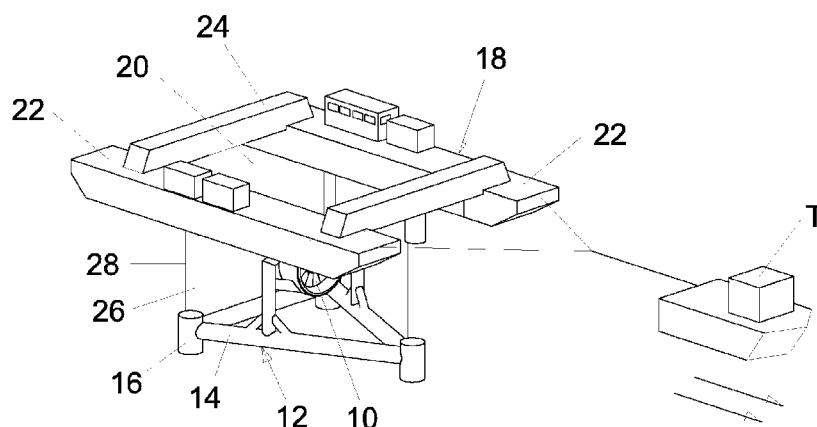


Fig. 1

(57) Abstract: A method of testing a hydroelectric turbine before the turbine is installed and secured on the seabed, in order to ensure that the turbine is operating as expected, the method involving securing the turbine to a vessel and displacing the vessel through water in order to effect rotation while monitoring one or more operating parameters of the turbine.