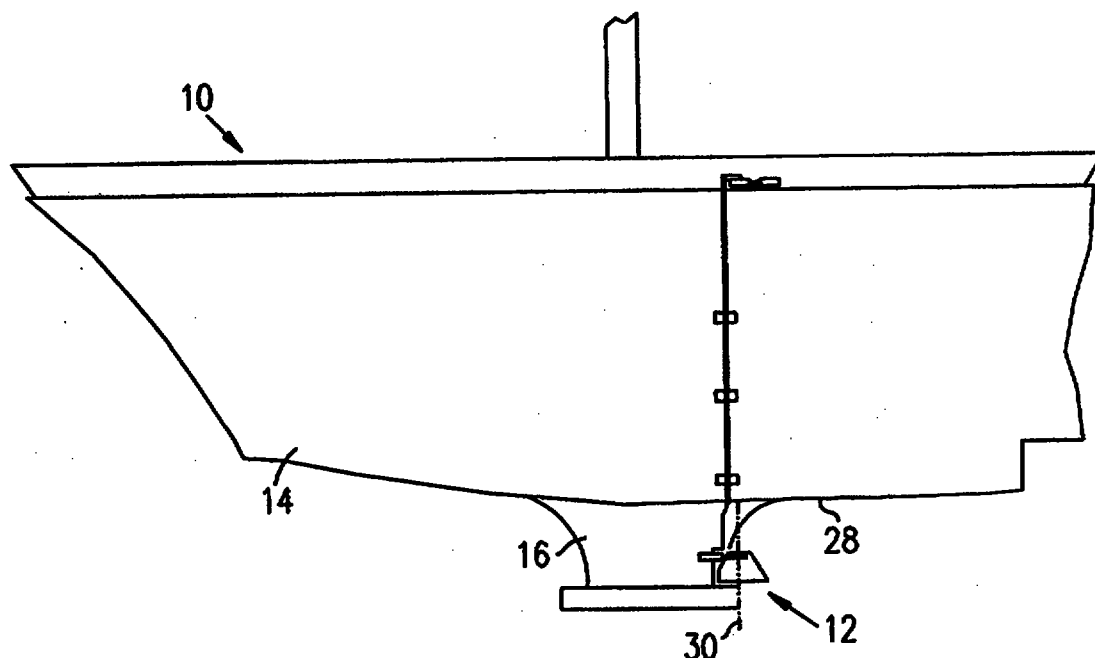




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B63B 39/06	A1	(11) International Publication Number: WO 99/05022 (43) International Publication Date: 4 February 1999 (04.02.99)
(21) International Application Number: PCT/IL98/00250 (22) International Filing Date: 28 May 1998 (28.05.98) (30) Priority Data: 121396 25 July 1997 (25.07.97) IL (71)(72) Applicant and Inventor: GABER, Benny [IL/IL]; Oren Street 29, 34735 Haifa (IL). (74) Agents: COLB, Sanford, T. et al.; Sanford T. Colb & Co., P.O. Box 2273, 76122 Rehovot (IL).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. With amended claims.

(54) Title: WATERCRAFT STABILIZATION APPARATUS



(57) Abstract

Stabilization apparatus (12) for a watercraft (10) having a hull (14), including at least one hydrofoil (20) with a leading edge (22) and a trailing edge (24), the edges defining a chord (26) extending therebetween, the at least one hydrofoil being mounted below an underside of the hull and arranged for rotation about an axis (30) that is generally perpendicular to the chord and directed towards the underside (28) of the hull, and control apparatus (40) that rotates the at least one hydrofoil about the axis in response to roll of the watercraft so as to stabilize the watercraft against the roll. Preferably the axis passes generally through the chord's center.