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(21) International Application Number: PCT/NO99/00167 (22) International Filing Date: 28 May 1999 (28.05.99) (30) Priority Data: <table border="0"> <tr> <td>19982454</td> <td>29 May 1998 (29.05.98)</td> <td>NO</td> </tr> <tr> <td>19990113</td> <td>12 January 1999 (12.01.99)</td> <td>NO</td> </tr> </table> (71)(72) Applicant and Inventor: ØDEGÅRD, Rune, H. [NO/NO]; Nordåsen 72, N-6823 Sandane (NO). (74) Agent: HELGERUD, Jan, E.; Bryns Patentkontor A/S, P.O. Box 765, Sentrum, N-0106 Oslo (NO).	19982454	29 May 1998 (29.05.98)	NO	19990113	12 January 1999 (12.01.99)	NO	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, 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, GW, ML, MR, NE, SN, TD, TG). Published With international search report. With amended claims.
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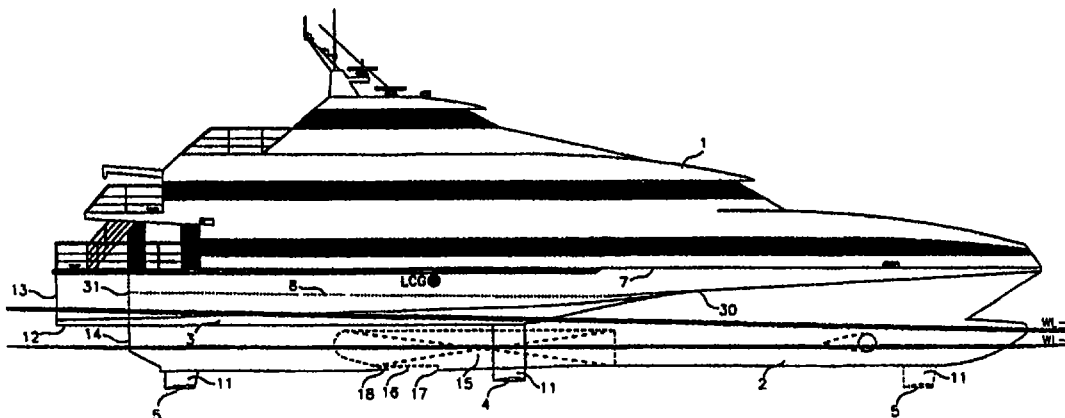


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(54) Title: HIGH SPEED HYBRID MARINE VESSEL



(57) Abstract

High speed hybrid marine vessel (1) with integrated hydrodynamic lift-generating, roll stabilizing and pitch controlling wings (4, 5, 6), or hydrofoils, operating in two distinctly different modes, namely a hydrostatic stable low speed mode, featuring a positive GM-value with at least three submerged hull elements (2, 3), and a hydrostatic unstable high speed mode, featuring a negative GM-value with only one submerged hull element (2), said hull elements (2, 3) being integrated to the vessel (1) via an integrated deck construction connecting the sidehulls to the main hull.