



(51) International Patent Classification:
B63H 23/32 (2006.01)

(21) International Application Number:
PCT/FI2010/050747

(22) International Filing Date:
29 September 2010 (29.09.2010)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **WÄRTSILÄ FINLAND OY** [FI/FI]; Tarhaajantie 2, FI-65380 Vaasa (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HATFULL, Craig** [NZ/JP]; Room 601, 1-5-9- Ootaguchi dori, Toyama, Toyama 930063 (JP).

(74) Agent: **GENIP OY**; Heikinkatu 7, FI-48100 Kotka (FI).

(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, RO, RS, RU, 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, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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

(54) Title: AN ARRANGEMENT, A SEALING ASSEMBLY, A CASING FLANGE AND A SPACER FOR SEALING THE PROPELLER SHAFT OF A MARINE VESSEL

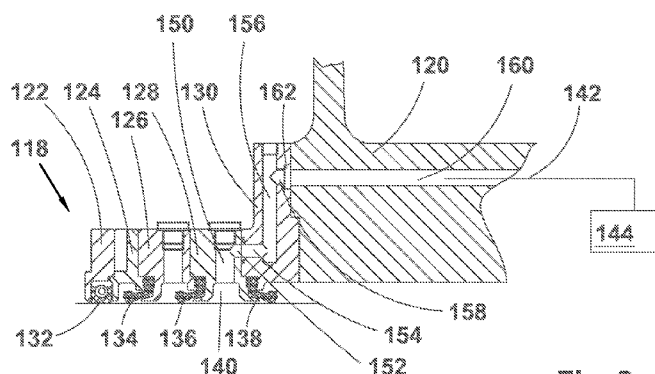


Fig. 2

(57) Abstract: P8133WO0 16 (57) Abstract The present invention relates to an arrangement, a sealing assembly, a casing flange and a spacer for sealing the propeller shaft of a marine vessel. The propeller shaft of a marine vessel is supported by bearing means within a stern tube or frame (120), the stern tube or frame (120) having an aft end provided with a sealing assembly (118) for sealing the propeller shaft, the sealing assembly (118) and the stern tube or frame (120) having at least one leakage monitor line (142) for monitoring the condition of the sealing assembly (118), the at least one leakage monitor line (142) being provided with a circumferentially extending channel section (162).

