

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 June 2020 (25.06.2020)



(10) International Publication Number
WO 2020/126895 A1

(51) International Patent Classification:

E21B 19/00 (2006.01) *E21B 47/01* (2012.01)
E21B 19/16 (2006.01) *H02B 1/01* (2006.01)

(21) International Application Number:

PCT/EP2019/085055

(22) International Filing Date:

13 December 2019 (13.12.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/783,087 20 December 2018 (20.12.2018) US

(71) Applicant: **NABORS LUX 2 SARL** [LU/LU]; 8-10 Avenue de la Gare, 1610 LUXEMBOURG (LU).

(72) Inventors: **FRIESTAD, Jan**; Verdalsveien 41, 4352 KLEPPE (NO). **MIKALSEN, Kenneth**; Alexander Kielandsgate 16A, 4319 SANDNES (NO). **NAESGAARD, Kjetil**; Hellearmen 7, 4052 RØYNEBERG (NO).

(74) Agent: **SAVOCA, Agatino** et al.; c/o JACOBACCI & PARTNERS S.p.A., corso Emilia 8, 10152 TORINO (IT).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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,

(54) Title: EX CERTIFIED ROBOTIC SYSTEM WITH ENHANCED CORROSION RESISTANCE

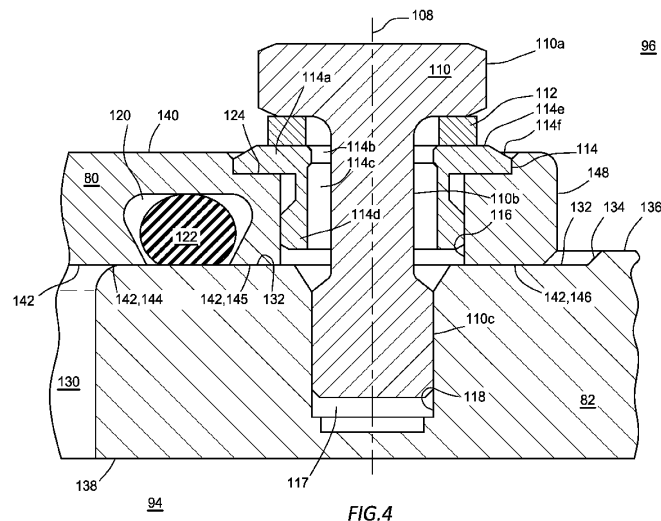


FIG. 4

(57) Abstract: A robotic system with a robot and enclosure (100). Fasteners attaching a panel (80) to a housing (82) of the enclosure can be positioned away from a seal (122) of the panel, with the seal (122) sealingly engaging the panel (80) and housing (82) when the panel (80) is attached to the housing (82). The panel (80) overlapping a portion of the housing (82) when attached to the housing, with at least the overlapped portion having a metallized layer (172) and the metallized layer being (172) electrically coupled to the panel when the panel is attached. The panel (80) can be rotationally attached to the housing (82) by one or more hinges.

[Continued on next page]

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, 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))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*