



(51) International Patent Classification:

G01F 15/063 (2022.01) G01F 15/07 (2006.01)
F17D 3/18 (2006.01) G08C 17/02 (2006.01)
G06Q 10/08 (2012.01) B63H 21/38 (2006.01)
H04Q 9/00 (2006.01) G01F 15/00 (2006.01)
B60P 3/22 (2006.01) B63B 27/34 (2006.01)
G01D 4/00 (2006.01)

(21) International Application Number:

PCT/IB2022/056766

(22) International Filing Date:

21 July 2022 (21.07.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

21189240.1 02 August 2021 (02.08.2021) EP
10202108445U 02 August 2021 (02.08.2021) SG

(71) Applicant: **ADP CLEAR PTE LTD** [SG/SG]; 12 Marina View, #26-01, Asia Square Tower 2, Singapore 018961 (SG).

(72) Inventors: **CROSS, Alistair**; 488A Route d' Hermance, 1248 Hermance (CH). **BARON, Tyler**; 16 rue de l' Eglise, 1183 Bursins (CH).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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: A SYSTEM AND A PROCESS FOR MONITORING AND VERIFYING BUNKER FUEL EXCHANGE BETWEEN MARINE VESSELS

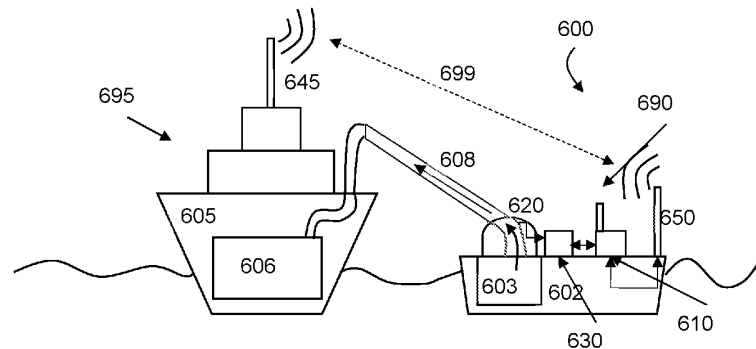


Figure 6

(57) Abstract: A system for verifying a process where fluid is delivered from a supplying vessel to a receiving vessel according to a preestablished contract is disclosed. The system comprises a measurement apparatus configured to measure a mass flow rate of the fluid, for example, and further comprises a monitoring unit to receive the measured parameters and to generate and store an electronic record comprising the parameter. The system further comprises a private local area network comprising a wireless router connected to the monitoring unit, a wireless access point connected to the router and configured to provide a point-to-point wireless link between the supplying vessel and the receiving vessel, and a wireless client device of the wireless access point, the client device being located on the receiving marine vessel. The delivery process is verified when the first and second users have provided electronic signatures indicating that each have positively verified the electronic record with respect to the contract.

[Continued on next page]

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

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