



(51) International Patent Classification:
F17C 5/06 (2006.01)

(21) International Application Number:
PCT/US2021/041371

(22) International Filing Date:
13 July 2021 (13.07.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/051,240 13 July 2020 (13.07.2020) US
63/163,215 19 March 2021 (19.03.2021) US

(71) Applicant: **GOLDEN GATE ZERO EMISSION MARINE, INC.** [US/US]; 909 Marina Village Parkway #145, Alameda, California 94501 (US).

(72) Inventors: **PRATT, Joseph**; 44762 Camellia Drive, Fremont, California 94539 (US). **NARVAEZ, Adrian**; 1601 Utica Street, Denver, Colorado 80204 (US). **TERLIP,**

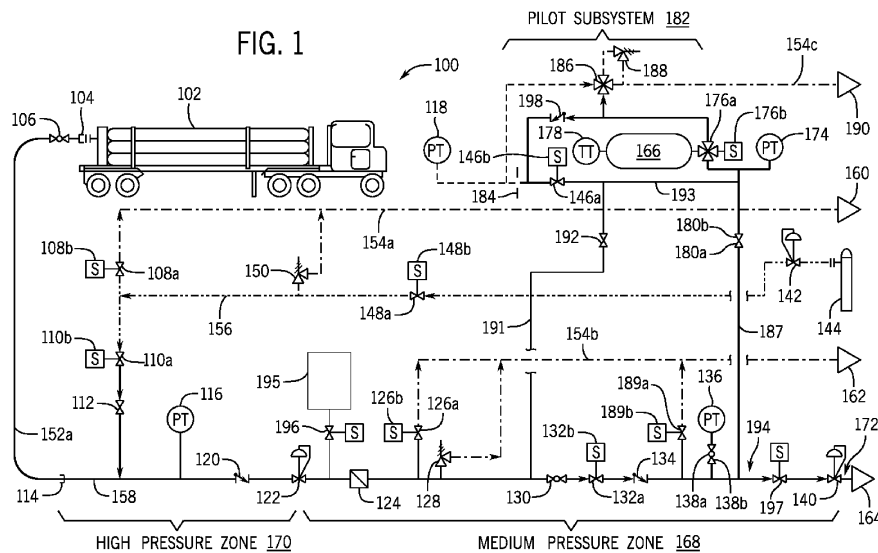
Daniel; 4704 Estes Street, Wheat Ridge, Colorado 80033 (US).

(74) Agent: **AINSCOUGH, Christopher** et al.; 1400 Wewatta Street, Suite 400, Denver, Colorado 80202 (US).

(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, IT, 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,

(54) Title: GASEOUS FUELING SYSTEM



(57) Abstract: A computer-implemented method of supplying a fuel gas to a fueling system is disclosed. The method may include pre-fill inerting the fueling system; leak-checking the fueling system; charging a pilot subsystem with the fuel gas; filling the fueling system with the fuel gas; and post-fill inerting the fueling system. In many implementations, the fueling system may be associated with a boat. The fuel gas may be hydrogen and may be supplied to a fuel cell that converts the hydrogen to electrical energy to power a propulsion system of the boat.

[Continued on next page]

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,
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))*