



(51) International Patent Classification:

G01F 1/74 (2006.01) G01N 9/00 (2006.01)
G01F 1/84 (2006.01) G01N 11/16 (2006.01)

(21) International Application Number:

PCT/US2010/022758

(22) International Filing Date:

1 February 2010 (01.02.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/225,025 13 July 2009 (13.07.2009) US

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(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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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: METER ELECTRONICS AND FLUID QUANTIFICATION METHOD FOR A FLUID BEING TRANSFERRED

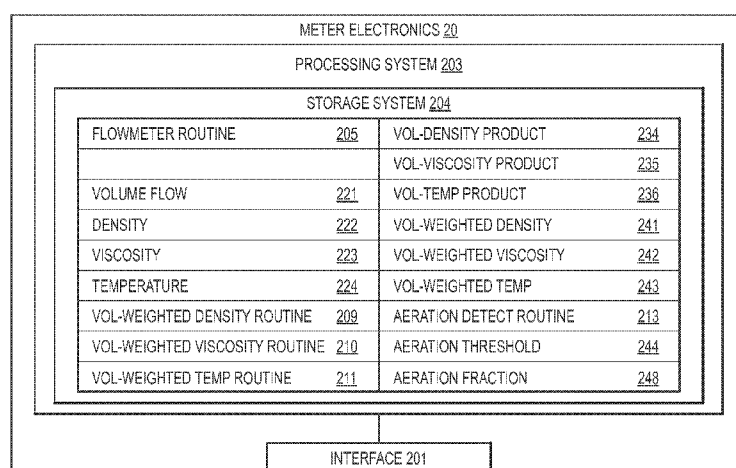


FIG. 3

(57) Abstract: Meter electronics (20) for quantifying a fluid being transferred is provided. The meter electronics (20) includes an interface (201) configured to communicate with a flowmeter assembly of a vibratory flowmeter and receive a vibrational response and a processing system (203) coupled to the interface (201). The processing system (203) is configured to measure a volume flow and a density for a predetermined time portion of the fluid transfer, determine if the fluid transfer is non-aerated during the predetermined time portion, if the predetermined time portion is non-aerated then add a volume-density product to an accumulated volume-density product and add the volume flow to an accumulated volume flow, and determine a non-aerated volume-weighted density for the fluid transfer by dividing the accumulated volume-density product by the accumulated volume flow.