



- (51) **International Patent Classification:**
G01N 21/85 (2006.01) *G01F 1/66* (2006.01)
- (21) **International Application Number:**
PCT/US2012/062062
- (22) **International Filing Date:**
26 October 2012 (26.10.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
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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, BN, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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, 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))*
- *of inventorship (Rule 4.17(iv))*

Published:

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

(54) **Title:** METHODS OF USING AN ANALYZER TO COMPLY WITH AGENCY REGULATIONS AND DETERMINE ECONOMIC VALUE

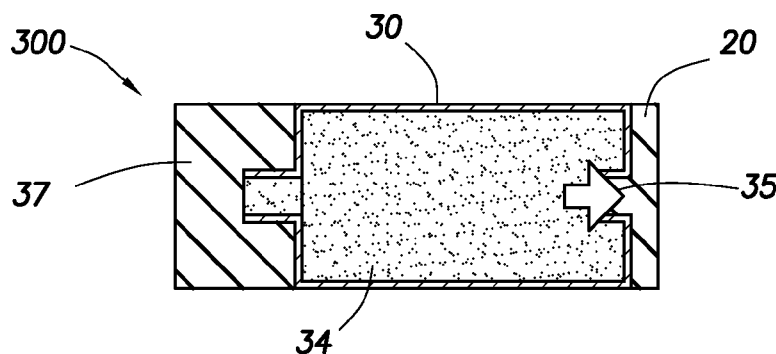


FIG. 1

(57) **Abstract:** A method of complying with a regulatory agency's requirement comprises: determining a minimum number of properties of a reservoir fluid using an analyzer, wherein the minimum number of properties is sufficient to comply with the regulatory agency's requirement, and wherein the step of determining comprises: (A) contacting the reservoir fluid with radiated energy; and (B) detecting the interaction between the radiated energy and the reservoir fluid. A method of determining the economic value of a produced reservoir fluid comprises: (A) producing the reservoir fluid; (B) determining at least one property of the reservoir fluid using the analyzer; (C) determining the flow rate of the reservoir fluid, wherein the step of determining the flow rate is performed during the step of producing; and (D) calculating the economic value of the produced reservoir fluid using the at least one property and the flow rate of the reservoir fluid.

