



(51) International Patent Classification:

G01N 17/00 (2006.01) C10G 9/00 (2006.01)
G01N 21/45 (2006.01) C10B 55/00 (2006.01)
G01N 21/85 (2006.01)

(21) International Application Number:

PCT/US2013/038780

(22) International Filing Date:

30 April 2013 (30.04.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/642,023 3 May 2012 (03.05.2012) 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, 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,

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(54) Title: METHOD AND SYSTEM FOR DETECTING COKING IN REFINERY EQUIPMENT USING OPTICAL SENSING NETWORKS

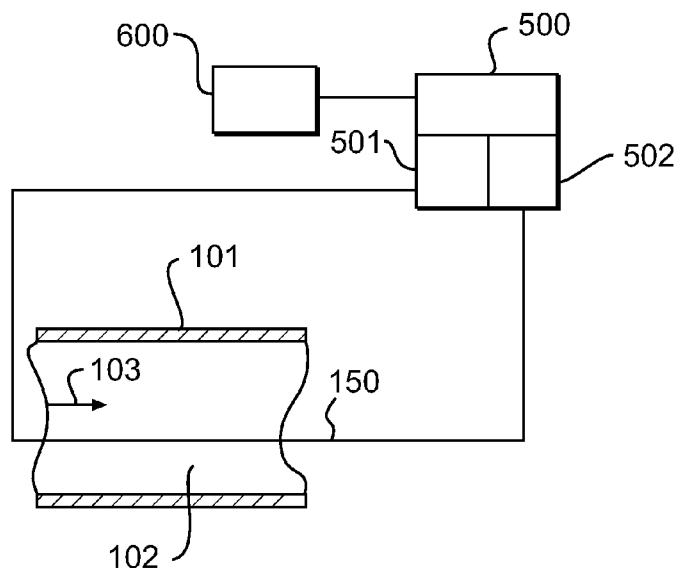


FIG. 3

(57) Abstract: System to detect coking in at least one component of refinery equipment is provided. The system includes a fiber optic assembly having at least one optical fiber operably coupled with the component, the fiber optic assembly further including a light source to transmit light having a known parameter through the optical fiber and a receiver to receive the light from the optical fiber, and a processor in communication with the fiber optic assembly to identify a shift in the parameter received by the receiver, the shift corresponding to an operating characteristic of the component. Method also provided for detecting coking using the system to detect coking disclosed herein.



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, **Published:**

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

GW, ML, MR, NE, SN, TD, TG).