



(51) International Patent Classification:

C10G 75/04 (2006.01) C10G 21/27 (2006.01)
C10G 27/00 (2006.01) C10G 29/20 (2006.01)
C10G 29/00 (2006.01)

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(21) International Application Number:

PCT/US2009/005567

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(22) International Filing Date:

9 October 2009 (09.10.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/136,855 9 October 2008 (09.10.2008) US

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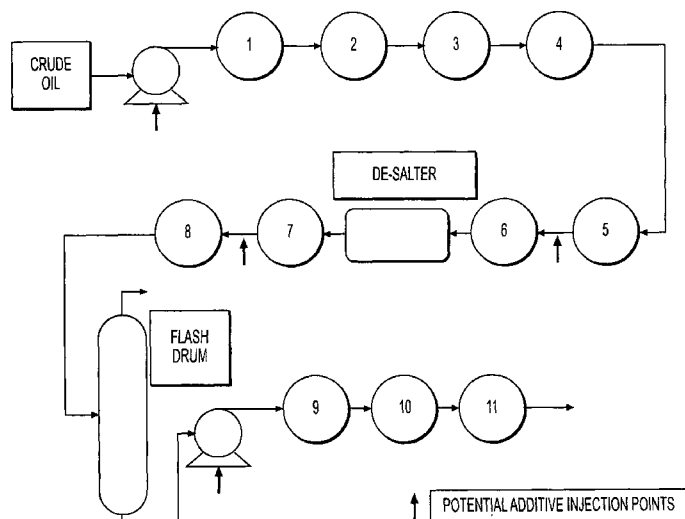
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(81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, 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, 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,

[Continued on next page]

(54) **Title:** METHOD AND SYSTEM CONTROLLING THE AMOUNT OF ANTI-FOULING ADDITIVE FOR PARTICULATE-INDUCED FOULING MITIGATION IN REFINING OPERATIONS

**FIG. 1C**

(57) **Abstract:** A method and system for controlling fouling in a hydrocarbon refining process that includes measuring a level of a particulate in a process stream of the hydrocarbon refining process in communication with a hydrocarbon refinery component, identifying an effective amount of additive capable of reducing particulate-induced fouling based at least in part on the measured level of the particulate in the process stream, and introducing the effective amount of additive to the hydrocarbon refining process.



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

*before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

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