



(51) International Patent Classification:

C10G 9/16 (2006.01) C10G 75/04 (2006.01)
C10G 75/00 (2006.01) C10G 17/02 (2006.01)
C10G 31/00 (2006.01)

(21) International Application Number:

PCT/US2009/053374

(22) International Filing Date:

11 August 2009 (11.08.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/222,760 15 August 2008 (15.08.2008) 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, 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).

Published:

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

(54) Title: HIGH-SOLVENCY-DISPERSIVE-POWER (HSDP) CRUDE OIL BLENDING FOR FOULING MITIGATION AND
ON-LINE CLEANING

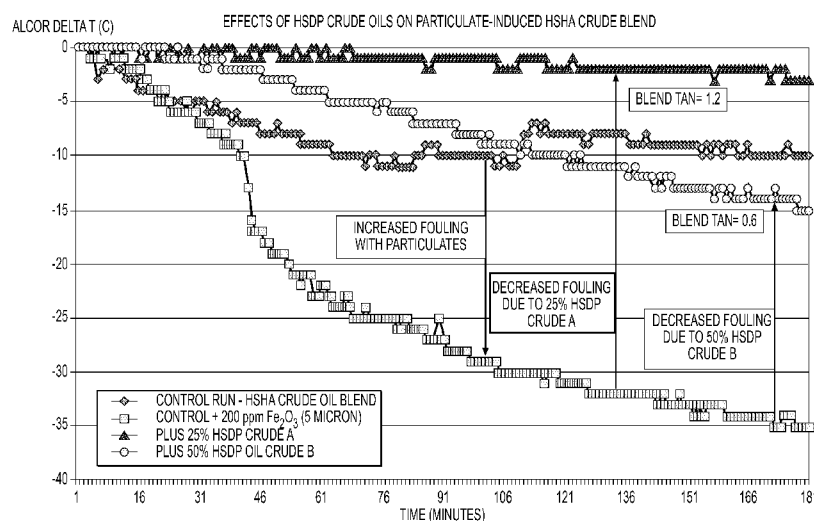


FIG. 3

(57) Abstract: A high solvency dispersive power (HSDP) crude oil is added to a blend of incompatible and/or near-incompatible oils to proactively address the potential for fouling heat exchange equipment. The HSDP component dissolves asphaltene precipitates and maintains suspension of inorganic particulates before coking affects heat exchange surfaces. HSDP co-blending for fouling mitigation and on-line cleaning can be affected using different concentrations of top-performing and moderate-performing HSDP crude oils.