



(51) International Patent Classification:

C08K 5/42 (2006.01) *C10C* 3/00 (2006.01)
C08L 95/00 (2006.01)

(21) International Application Number:

PCT/US2012/066975

(22) International Filing Date:

29 November 2012 (29.11.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/309,940 2 December 2011 (02.12.2011) 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, 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).

Published:

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

(54) Title: UPGRADING DEASPHALTING RESIDUE TO HIGH PERFORMANCE ASPHALT

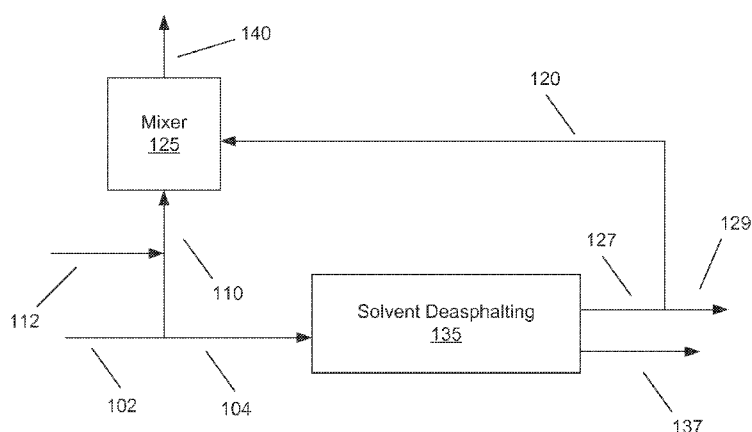


FIG. 1

(57) Abstract: A novel composition is provided that incorporates the residual solids from solvent deasphalting to make a high value asphalt product. A process for making the asphalt composition is also provided. A first portion of heavy oil or another feedstock can be deasphalted using propane deasphalting or another suitable deasphalting process. This generates a solvated fraction and an insoluble deasphalting residue. The deasphalting residue is then added to a second portion of heavy oil, such as a second portion of the same type of heavy-oil that was used as feedstock in the solvent deasphalting. The mixture of deasphalting residue and heavy oil results in a novel dispersion that is suitable for use as an asphalt. Optionally, an additive such as an alkyl substituted aromatic sulfonic acid can be added to the composition to further improve the asphalt properties.

