



(51) International Patent Classification:

C07C 303/32 (2006.01) C07C 309/30 (2006.01)
C07C 303/06 (2006.01)

(21) International Application Number:

PCT/US2011/030566

(22) International Filing Date:

30 March 2011 (30.03.2011)

(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, 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, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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))

Published:

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

(54) Title: IMPROVED METHOD FOR THE PREPARATION OF LOW OVERBASED ALKYL TOLUENE SULFONATE

(57) Abstract: Disclosed is a method for improving filtration in the preparation of an alkaline earth metal alkyltoluene sulfonate concentrate by selectively controlling the meta, ortho, para isomer distribution of the alkyl group of the alkyltoluene produced by the process comprising alkylating toluene with at least one isomerized normal alpha olefin, having from about 18 to about 30 carbon atoms and having from 20% to 100% branching in an alkylation process which includes monitoring % isomer formation and adjusting an alkylation process parameter in order to provide a target specified isomer content of less than 38% meta-isomer content; and thereafter sulfonating and neutralizing to produce a low base number sulfonated alkyltoluene concentrate having a Base Number of about 2 to 60 (ASTM D 2896).

