



(51) International Patent Classification:

C07C 303/42 (2006.01) C07C 7/20 (2006.01)
C07C 309/02 (2006.01) B01J 31/02 (2006.01)

(21) International Application Number:

PCT/US2012/043809

(22) International Filing Date:

22 June 2012 (22.06.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/230,767 12 September 2011 (12.09.2011) 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, 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, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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

[Continued on next page]

(54) Title: CONVERSION OF SULFURIC ACID ALKYLATION UNITS FOR IONIC LIQUID CATALYZED ALKYLATION PROCESSES

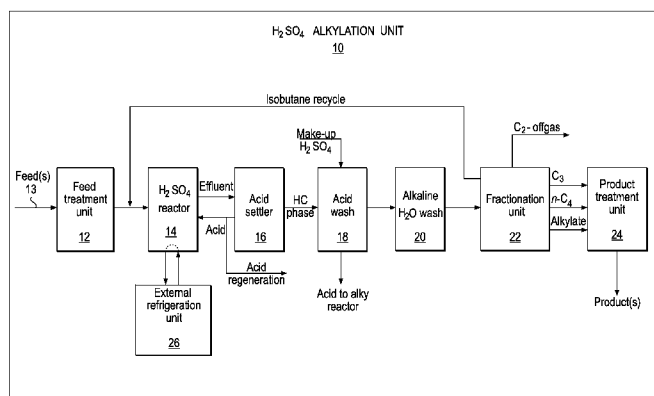


FIG. 1A

(57) Abstract: Methods for converting an H₂SO₄ alkylation unit to an ionic liquid alkylation system configured for performing ionic liquid catalyzed alkylation processes may comprise connecting at least one component configured for ionic liquid catalyzed alkylation to at least one component of the H₂SO₄ alkylation unit, wherein the at least one component of the H₂SO₄ alkylation unit is retained, modified or adapted for use in the ionic liquid alkylation system. Ionic liquid catalyzed alkylation systems derived from existing conventional alkylation units, and ionic liquid catalyzed alkylation processes are also disclosed.



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- *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))*