

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2022/108969 A1

(43) International Publication Date
27 May 2022 (27.05.2022)

(51) International Patent Classification:

C07F 5/06 (2006.01) C08F 110/14 (2006.01)
C08F 10/00 (2006.01) C08F 210/16 (2006.01)

(21) International Application Number:

PCT/US2021/059626

(22) International Filing Date:

17 November 2021 (17.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/117,295 23 November 2020 (23.11.2020) US

(71) Applicant: **EXXONMOBIL CHEMICAL PATENTS INC.** [US/US]; 5200 Bayway Drive, Baytown, TX 77520 (US).

(72) Inventors: **RIX, Francis, C.**; 4015 Rustling Woods, Houston, TX 77059 (US). **LUO, Lubin**; 4606 N. Pine Brook Way, Houston, TX 77059 (US). **LE, Ky, K.A.**; 3706 Bonham Hills Lane, Pearland, TX 77584 (US).

(74) Agent: **WRKICH, Joseph, E.** et al.; Exxonmobil Chemical Company, Law Technology, P.O Box 2149, Baytown, TX 77522-2149 (US).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, 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, KM, 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))
- 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))

(54) Title: TOLUENE FREE PREPARATION OF SMAO: HEATING WITH TMA TO IMPROVE ACTIVITY

(57) Abstract: A method including: contacting a support material including absorbed water with trimethylaluminum (TMA) in an aliphatic hydrocarbon; removing the aliphatic hydrocarbon by distillation at a pressure greater than or equal to 0.5 atm; heating, at a temperature ranging from about 25°C to about 200°C, a reaction product of the support material and the TMA in a presence of TMA, wherein the TMA includes TMA in an amount of about 2-10 mmol TMA per gram of the support material in excess of an amount that reacts with the support material absorbed with water; and removing excess TMA.

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