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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 July 2015 (23.07.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/107508 A3

(51) International Patent Classification:
C10G 57/02 (2006.01) *C07C 11/02* (2006.01)
C10G 50/00 (2006.01) *C10G 19/08* (2006.01)
C07C 2/08 (2006.01) *B01D 11/04* (2006.01)
C07C 7/00 (2006.01) *C07C 7/152* (2006.01)

(21) International Application Number:
PCT/IB2015/050399

(22) International Filing Date:
19 January 2015 (19.01.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/929,138 20 January 2014 (20.01.2014) 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, IR, IS, JP, KE, KG, KN, KP, KR, 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, 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, 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))*

(88) Date of publication of the international search report:
19 November 2015

(54) Title: PROCESS AND APPARATUS FOR PURIFYING A HYDROCARBON STREAM COMPRISING LINEAR ALPHA-OLEFINS (LAO) FROM AMINES

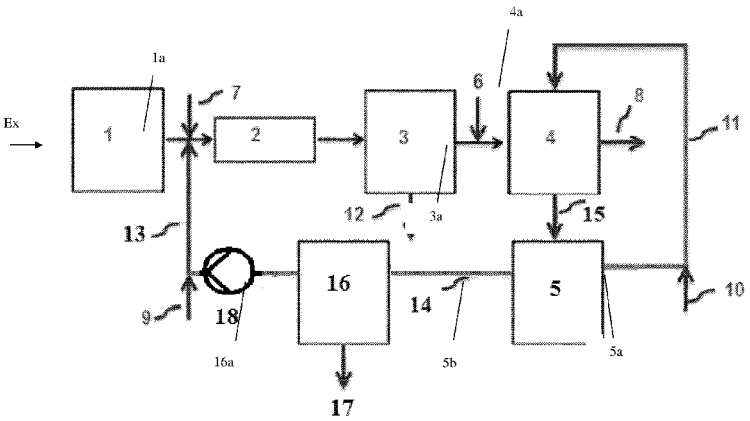


FIG. 4

(57) Abstract: A process for purifying linear a-olefins, comprises: providing an organic phase comprising a linear a-olefin; providing an alkaline aqueous phase I; providing an amine; mixing the linear a-olefin, alkaline aqueous phase I, and amine; separating the aqueous phase I from the organic phase; adding water to the organic phase thereby forming an aqueous phase II; bringing into contact the organic phase with carbon dioxide; separating the aqueous phase II which comprises a solid formed in the organic phase when contacted with carbon dioxide; wherein the purified linear a-olefins are obtained in the organic phase.

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