

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
01 December 2022 (01.12.2022)



(10) International Publication Number
WO 2022/250885 A2

(51) International Patent Classification:

B01J 31/02 (2006.01) *B01J 31/22* (2006.01)
B01J 31/04 (2006.01) *C10G 50/00* (2006.01)

(21) International Application Number:

PCT/US2022/027448

(22) International Filing Date:

03 May 2022 (03.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

17/330,523 26 May 2021 (26.05.2021) 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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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,

(54) Title: ETHYLENE OLIGOMERIZATION PROCESSES

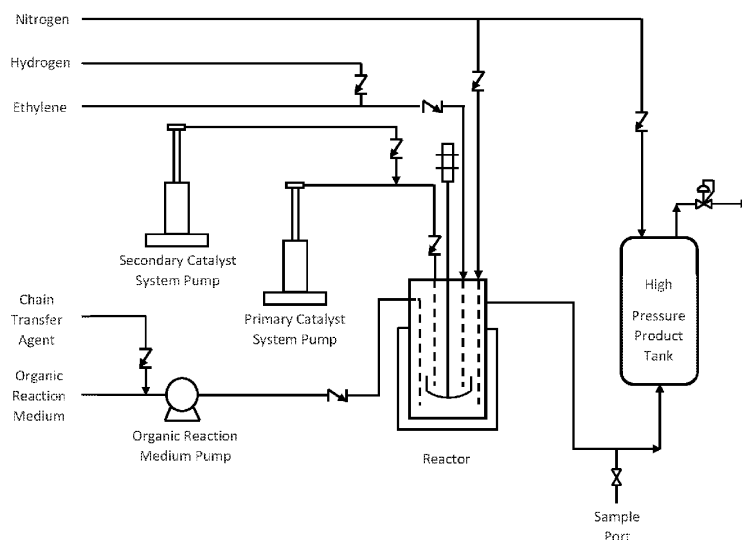


FIG. 1

(57) Abstract: Process for producing alpha olefins comprising contacting ethylene, a zirconium based catalyst system comprising, a hydrocarbylmatal compound, a chain transfer agent, and optionally an organic reaction medium. Chain transfer agents which can be utilized include a) hydrogen, b) a compound comprising a hydrogen silicon bond, a compound having a hydrogen sulfur bond, a compound having a hydrogen phosphorus bond, or c) a transition metal compound chain transfer agent.

[Continued on next page]

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).

Published:

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