



(51) International Patent Classification:
B01J 31/18 (2006.01) **B01J 31/14** (2006.01)

(21) International Application Number:
PCT/US2024/025822

(22) International Filing Date:
23 April 2024 (23.04.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/498,537 27 April 2023 (27.04.2023) US
63/498,538 27 April 2023 (27.04.2023) US
63/498,559 27 April 2023 (27.04.2023) 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, CV, 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, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

(54) Title: CATALYST SYSTEM AND ETHYLENE OLIGOMERIZATION PROCESS FOR THE PREPARATION OF LINEAR ALPHA OLEFINS

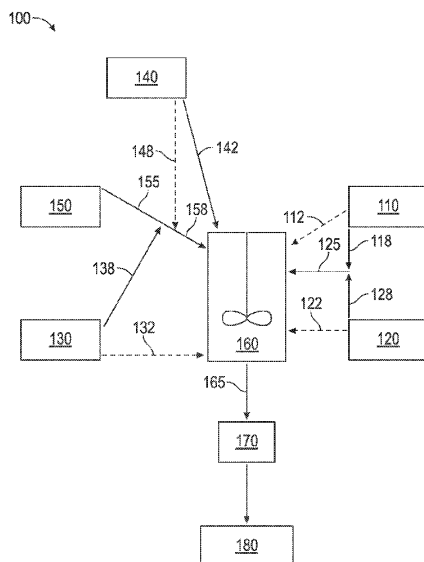


FIG. 1

(57) Abstract: Catalyst compositions containing an organoaluminum compound, a hydrocarbon diluent, and a heteroatomic ligand transition metal compound complex or a heteroatomic ligand and a transition metal compound are disclosed. The transition metal is iron, cobalt, or nickel. Related ethylene oligomerization processes utilizing the catalyst compositions to produce oligomer products containing 1-hexene and 1-octene also are described.

Published:

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