

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

(19) World Intellectual Property  
Organization  
International Bureau



(10) International Publication Number  
**WO 2021/202283 A1**

(43) International Publication Date  
07 October 2021 (07.10.2021)

(51) International Patent Classification:

C08F 110/14 (2006.01) C08F 4/659 (2006.01)

C08F 4/64 (2006.01)

(21) International Application Number:

PCT/US2021/024380

(22) International Filing Date:

26 March 2021 (26.03.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/002,503 31 March 2020 (31.03.2020) 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, 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).

Published:

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

(54) Title: POLYMERIZATION OF PURGE STREAM CONTAINING 1-OCTENE

(57) Abstract: The present disclosure provides a process. In an embodiment, the process includes providing a purge stream containing octene monomer. The process includes contacting, under polymerization conditions, the purge stream with a bis-biphenylphenoxy catalyst, and forming an octene polymer having an absolute weight average molecular weight (Mw(Abs)) greater than 1,300,000 g/mol and a Mw(Abs)/ Mn(Abs) from 1.3 to 3.0.

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