

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
09 December 2021 (09.12.2021)



(10) International Publication Number
WO 2021/247957 A3

(51) International Patent Classification:
C08F 2/00 (2006.01) C08L 23/08 (2006.01)

(21) International Application Number:
PCT/US2021/035832

(22) International Filing Date:
04 June 2021 (04.06.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/034,484 04 June 2020 (04.06.2020) US

(71) Applicants: **DOW GLOBAL TECHNOLOGIES LLC** [US/US]; 2211 H.H. Dow Way, Midland, Michigan 48674 (US). **PBBPOLISUR S.R.L.** [AR/AR]; Boulevard Cecilia Grierson 355, Dique IV - Piso 25, Buenos Aires, C1107CPG (AR).

(72) Inventors: **WILLIAMSON, Alexander**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **ASKAR, Shadid**; 2301 North Brazosport Boulevard, Freeport, Texas 77541 (US). **WIELICZKO, Joel D.**; 1840 Union Carbide Drive, South Charleston, West Virginia 25303 (US). **DOELDER, Cornelis F.J. Den**; Herbert H. Dowweg 5, 4542 NM Terneuzen (NL). **KAPUR, Mridula**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **HIRSEKORN, Kurt F.**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **AUYEUNG, Evelyn**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **LIU, Bo**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **ZANDUETA, Maria C.**; Cecilia Grierson 355, floor 25th, Buenos Aires, C1107BHA (AR). **O'BRIEN, John P.**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **WHITED, Stephanie M.**; 1840 Union Carbide Drive, South Charleston, West Virginia 25303 (US).

(74) Agent: **HAGEN, Robert J.**; 1201 Marquette Avenue South, Suite 400, Minneapolis, Minnesota 55403 (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).

Published:

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

(88) Date of publication of the international search report:
03 February 2022 (03.02.2022)

WO 2021/247957 A3

(54) Title: POLYOLEFIN COMPOSITIONS

(57) Abstract: Embodiments are directed towards polyolefin compositions including a high molecular weight polyolefin and a low molecular weight polyolefin.