

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 March 2023 (30.03.2023)



(10) International Publication Number
WO 2023/044645 A1

(51) International Patent Classification:
C08F 210/16 (2006.01) *B32B 27/32* (2006.01)

(21) International Application Number:
PCT/CN2021/119799

(22) International Filing Date:
23 September 2021 (23.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **UNIVATION TECHNOLOGIES, LLC**
[US/US]; 5555 San Felipe, Suite 700, Houston, Texas
77056 (US).

(72) Inventors; and

(71) Applicants (for SC only): **LIU, Bo** [CN/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **BORSE, Nitin K.** [CA/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **CHEN, Feng** [CN/CN]; No.936 Zhangheng Road, Shanghai Pilot Free Trade Zone, Shanghai 201203 (CN). **MARIOTT, Wesley R.** [US/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **BEILHART, Jesse C.** [US/US]; 1840 Union Carbide Drive, South Charleston, West Virginia 25303 (US). **LESTER, Charles D.** [US/US]; 1840 Union Carbide Drive, South Charleston, West Virginia 25303 (US).

(74) Agent: **WU, FENG & ZHANG**; 3 FL, Building 2, Yard 3, Fengxiuzhonglu Road, Haidian District, Beijing 100094 (CN).

(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.

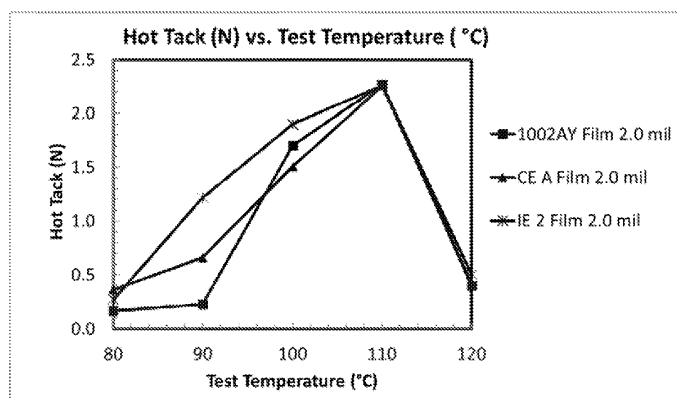
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, 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: LINEAR LOW DENSITY POLYETHYLENE COPOLYMER

FIGURE 1



(57) Abstract: An ethylene-butene LLDPE copolymer that has a mixture of properties useful for films has the following characteristics: (a) The density of the LLDPE copolymer is from 0.910 g/mL to 0.930 g/mL; and (b) The melt index (I_2) of the LLDPE copolymer is from 0.5 g/10 min to 2.7 g/10 min; and (c) The molecular weight distribution (M_w/M_n) of the LLDPE copolymer is at least 4.25; and (d) The M_z/M_w ratio of the LLDPE copolymer is at least 3.2; and (e) The molecular weight comonomer distribution of the LLDPE copolymer is from -0.1 to -1.0; and (f) The storage modulus (G') of the material is from 90 Pa to 115 Pa when the loss modulus (G'') is 1000 Pa.



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