

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2020/242874 A1

(43) International Publication Date
03 December 2020 (03.12.2020)

(51) International Patent Classification:
C08G 63/06 (2006.01)

(21) International Application Number:
PCT/US2020/033950

(22) International Filing Date:
21 May 2020 (21.05.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/852,443 24 May 2019 (24.05.2019) US

(71) Applicant: **DANIMER BIOPLASTICS, INC.** [US/US];
1301 Colquitt Highway, Bainbridge, GA 39817 (US).

(72) Inventors: **VAN TRUMP, Phillip**; 17 High Gate Trail, Decatur, GA 30030 (US). **EATON, Richard**; 141 University Drive, Athens, GA 30602 (US). **GRUBBS, Joe, B., III**; 2753 Whitlow Creek Drive, Bishop, GA 30621 (US).

(74) Agent: **GONCE, David, J.** et al.; Luedeka Neely Group, P.C., P.O. Box 1871, Knoxville, TN 37901 (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, 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: PHA TERPOLYMER COMPOSITIONS

(57) Abstract: This disclosure relates to biodegradable polymeric compositions. More particularly, this disclosure relates to biodegradable polymeric compositions including copolymers of polyhydroxy alkanoates ("PHA's") having at least three different monomer units, i.e. PHA terpolymers.



WO 2020/242874 A1