



- (51) **International Patent Classification:**
C08F 220/06 (2006.01) *C08L 33/02* (2006.01)
A61L 15/60 (2006.01)
- (21) **International Application Number:**
PCT/US2013/036162
- (22) **International Filing Date:**
11 April 2013 (11.04.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
- | | | |
|------------|------------------------------|----|
| 61/623,054 | 11 April 2012 (11.04.2012) | US |
| 13/760,527 | 6 February 2013 (06.02.2013) | US |
| 13/835,187 | 15 March 2013 (15.03.2013) | US |
| 13/838,917 | 15 March 2013 (15.03.2013) | 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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, 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, ML, MR, NE, SN, TD, TG).
- Published:**
— *with international search report (Art. 21(3))*

(54) **Title:** POLY(ACRYLIC ACID) FROM BIO-BASED ACRYLIC ACID AND ITS DERIVATIVES

(57) **Abstract:** Bio-based glacial acrylic acid, produced from hydroxypropionic acid, hydroxypropionic acid derivatives, or mixtures thereof and having impurities of hydroxypropionic acid, hydroxypropionic acid derivatives, or mixtures thereof, is polymerized to poly(acrylic acid) or superabsorbent polymer using the same processes as petroleum-derived glacial acrylic acid.

