



- (51) **International Patent Classification:**
C08F 210/18 (2006.01) *C08F 4/6592* (2006.01)
- (21) **International Application Number:**
PCT/US2013/032480
- (22) **International Filing Date:**
15 March 2013 (15.03.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/731,891 30 November 2012 (30.11.2012) US
- (71) **Applicant:** **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2040 Dow Center, Midland, MI 48674 (US).
- (72) **Inventors:** **LIPISHAN, Colin**; 11200 Broadway St, Apartment 4108, Pearland, TX 77584 (US). **CLAYFIELD, Timothy, E.**; Meierhofrain 18, CH-8820 Waedenswil (CH). **DELATTE, Sonja, M.**; 3628724679 La Hwy 1032, Denham Springs, LA 70706 (US).
- (74) **Agent:** **TERRY, Jane**; The Dow Chemical Company, P.O. Box 1967, Midland, Michigan 48641-1967 (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, 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:** ETHYLENE/ALPHA-OLEFIN/POLYENE BASED COMPOSITIONS

(57) **Abstract:** The invention provides a composition comprising a first composition that comprises at least one ethylene/alpha-olefin/nonconjugated polyene interpolymers; and wherein the first composition has a Mooney Viscosity (ML1+4, 125C) greater than, or equal to, 10, and wherein the first composition has a ¹³C NMR % Peak Area, which is the {[¹³C NMR peak area from 21.3 ppm to 21.8 ppm] divided by the (total integral area from 19.5 ppm to 22.0 ppm)} x 100, that is greater than 3.5 percent, as determined by ¹³C NMR.



WO 2014/084893 A1