



- (51) **International Patent Classification:**
C08F 10/06 (2006.01) *H01B 3/00* (2006.01)
C08F 4/651 (2006.01)
- (21) **International Application Number:**
PCT/US2012/048230
- (22) **International Filing Date:**
26 July 2012 (26.07.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/512,592 28 July 2011 (28.07.2011) US
- (71) **Applicant (for all designated States except US):** **DOW GLOBAL TECHNOLOGIES LLC** [US/US]; 2040 Dow Center, Midland, MI 48674 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** **CHOU, Chai-Jing** [US/US]; 707 Overdell Drive, Sugar Land, TX 77479 (US).
- (74) **Agent:** **BARTHEL, Ted, J.**; Whyte Hirschboeck Dudek S.C., 555 East Wells Street, Suite 1900, Milwaukee, WI 53202 (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, 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:** PROPYLENE-BASED POLYMER WITH LOW ASH CONTENT AND PROCESS

(57) **Abstract:** The present disclosure provides a process for producing a wash-free propylene-based polymer with low total ash content for use as dielectric film. The propylene-based polymer contains a substituted phenylene aromatic diester and is suitable as a dielectric material for electrical devices.



WO 2013/016478 A1