

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 July 2001 (12.07.2001)

PCT

(10) International Publication Number
WO 01/49777 A1

- (51) International Patent Classification⁷: C08J 3/00, C08G 75/16
(21) International Application Number: PCT/US00/35494
(22) International Filing Date: 28 December 2000 (28.12.2000)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data: 09/476,250 30 December 1999 (30.12.1999) US
(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application: US 09/476,250 (CON) Filed on 30 December 1999 (30.12.1999)
(71) Applicant (for all designated States except US): PHILLIPS PETROLEUM COMPANY [US/US]; 4th and Keeler, Bartlesville, OK 74004 (US).
(72) Inventors; and
(75) Inventors/Applicants (for US only): FODOR, Jeffrey, S. [US/US]; 209 Skycrest, Borger, TX 79007 (US). SOUTH, Aubrey, Jr. [US/US]; 4725 SE Lewis Drive, Bartlesville, OK 74006 (US). VIDARRI, Fernando, C., Jr. [US/US]; 5925 Martin Lane, Bartlesville, OK 74006-8017 (US).
(74) Agents: RICHARDS, John; Ladas & Parry, 26 West 61st Street, New York, NY 10023 et al. (US).
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
Published:
— With international search report.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PULSE CONTINUOUS CURING OF POLY(ARYLENE SULFIDE) POLYMERS

(57) Abstract: A process is provided for curing poly(arylene sulfide) polymers by achieving and maintaining curing conditions in a cure vessel, then intermittently adding uncured polymer to said cure vessel and intermittently removing polymer from the cure vessel wherein the removal of polymer from the cure vessel is performed at intervals such that the presence of uncured polymer is minimized or avoided.

WO 01/49777 A1