

RTMP
COPY**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08K 5/16, 5/41, 5/524	A1	(11) International Publication Number: WO 96/38500 (43) International Publication Date: 5 December 1996 (05.12.96)
(21) International Application Number: PCT/US96/07831 (22) International Filing Date: 30 April 1996 (30.04.96) (30) Priority Data: 455,272 ✓ 31 May 1995 (31.05.95) US (60) Parent Application or Grant (63) Related by Continuation US 08/455,272 (CON) Filed on 31 May 1995 (31.05.95) (71) Applicant (for all designated States except US): KENRICH PETROCHEMICALS, INC. [US/US]; 140 East 22nd Street, Bayonne, NJ 07002 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): MONTE, Salvatore, J. [US/US]; 399 Buchanan Avenue, Staten Island, NY 10314 (US). (74) Agents: LEWEN, Bert, J. et al.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: THERMALLY STABLE ANTISTATIC AGENTS (57) Abstract A process for rendering polymer compositions antistatic and the products of such process are described. The polymeric material is treated with a combination of selected trineoalkoxy amino zirconates and trineoalkoxy sulfonyl zirconates. These latter materials are soluble in the polyolefins, polyesters, polyamides, polyethers, polycarbonates, and polystyrenes and remain stable during the processing of these polymers. Furthermore, the antistatic agents of the invention are thermally stable to temperatures up to 825 °F, do not "bloom" during the polymer processing, and are colorless, permanent, non-blooming and non-moisture dependent.		