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(21) International Application Number: PCT/US99/30594 (22) International Filing Date: 21 December 1999 (21.12.99) (30) Priority Data: 09/222,080 29 December 1998 (29.12.98) US (71) Applicant (for all designated States except US): CHEVRON CHEMICAL COMPANY LLC [US/US]; 3rd floor, 2613 Camino Ramon, San Ramon, CA 94583-4289 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KELLUM, Gene, E. [US/US]; Route 11, Box 917, Orange, TX 77632 (US). MAEGER, Pamela, L. [US/US]; 2516 Golden Oak Drive, Orange, TX 77632 (US). (74) Agents: AMBROSIUS, James, W. et al.; Chevron Corporation, Law Department, Post Office Box 6006, San Ramon, CA 94583-0806 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: IMPROVED CHROMATE ESTER CATALYST AND METHOD OF USING SAME TO PRODUCE HIGH PERFORMANCE POLYETHYLENE PRODUCTS (57) Abstract An improved chromate catalyst on a highly porous silica support having high surface area and total pore volume, a method of using same to produce high performance polyethylene products, and the high performance polyethylene products, such as polyethylene pipe, produced thereby.		