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(21) International Application Number: PCT/US96/05937 (22) International Filing Date: 29 April 1996 (29.04.96) (30) Priority Data: 08/486,553 7 June 1995 (07.06.95) US (71) Applicant: CHEVRON CHEMICAL COMPANY [US/US]; P.O. Box 5047, San Ramon, CA 94583-0947 (US). (72) Inventors: CHING, Ts. Yen; 10 Santa Yorma Court, Novato, CA 94945 (US). KATSUMOTO, Kiyoshi; 2615 Brooks Avenue, El Cerrito, CA 94530 (US). CURRENT, Steven, P.; 816 McClay Road, Novato, CA 94947 (US). THEARD, Leslie, P.; 10050 Westpark N° 1003, Houston, TX 77042 (US). (74) Agents: MICHEL, Marianne, H. et al.; Chevron Corporation, Law Department, P.O. Box 7141, San Francisco, CA 94120- 7141 (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, 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: COMPOSITIONS HAVING ETHYLENIC BACKBONE AND BENZYLIC, ALLYLIC, OR ETHER-CONTAINING SIDE-CHAINS, OXYGEN SCAVENGING COMPOSITIONS CONTAINING SAME, AND PROCESS FOR MAKING THESE COMPOSITIONS BY ESTERIFICATION OR TRANSESTERIFICATION OF A POLYMER MELT		
(57) Abstract Disclosed is a process for esterifying and/or transesterifying a polymer having a polyethylenic backbone and pendant acid and/or ester moieties comprising contacting a melt of the polymer with a transesterifying compound so that the polymer undergoes esterification and/or transesterification but not alcoholysis. The esterified or transesterified polymer also has pendant ester moieties which differ in kind and/or number from the unreacted polymer. In one embodiment, the process also comprises adding an amount of a transition metal salt that is effective to promote oxygen scavenging. Also in a further embodiment, the process comprises irradiating the transesterified polymer with actinic radiation to reduce the induction period before oxygen scavenging commences. Also disclosed are compositions comprising a component which comprises an ethylenic or polyethylenic backbone and a pendant or terminal moiety comprising a benzylic, allylic, or ether-containing radical. The invention also embodies new polyethylenic oxygen scavenging compositions comprising a transition-metal salt and the above component. Methods of making the compositions, and methods and compositions using the ethylenic or polyethylenic compositions, are disclosed.		