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(21) International Application Number: CT/US95/07394 ✓ (22) International Filing Date: 9 June 1995 (09.06.95) ✓ (30) Priority Data: 257,614 ✓ 9 June 1994 (09.06.94) ✓ US (71) Applicant: EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, Linden, NJ 07036 (US). ✓ (72) Inventors: ROSSI, Albert; 23 Round Top Road, Warren, NJ 07060 (US). EMERT, Jacob, Isaac; 484 Argyle Road, Brooklyn, NY 11218 (US). THALER, Warren, Alan; 5 Pleasant View Way, Flemington, NJ 08822 (US). (74) Agent: COHEN, Harvey, L.; Exxon Chemical Company, P.O. Box 710, 1900 East Linden Avenue, Linden, NJ 07036 (US).	(81) Designated States: AU, BR, CA, CN, JP, MX, RU, SG , European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. SG 9612276-7	
(54) Title: OIL-SOLUBLE DISPERSANT ADDITIVES BASED ON 1-BUTENE-ALPHA-OLEFIN COPOLYMERS (57) Abstract Oil-soluble dispersant additives are disclosed. The additives comprise the reaction product of a functionalized 1-butene copolymer and at least one nucleophilic reactant selected from amines, amino alcohols, alcohols, and reactive metal compounds. The functionalized copolymer has within its structure at least one acyl functional group selected from the group consisting of C₄ to C₁₀ dicarboxylic acids and derivatives thereof and C₃ to C₁₀ monocarboxylic acids and derivatives thereof. The 1-butene copolymer is derived from 1-butene and at least one other α-olefin of the formula CH₂=CHR', wherein R' is methyl or a C₃ to C₁₂ linear or branched alkyl group. The copolymer has a number average molecular weight of at least about 700, a molecular weight distribution of less than 5, and ethenylidene groups terminating at least about 30 % of all polymer chains. The dispersant additives are useful in oleaginous compositions including lubricating oil compositions and concentrates and fuel compositions.		