

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 September 2001 (27.09.2001)

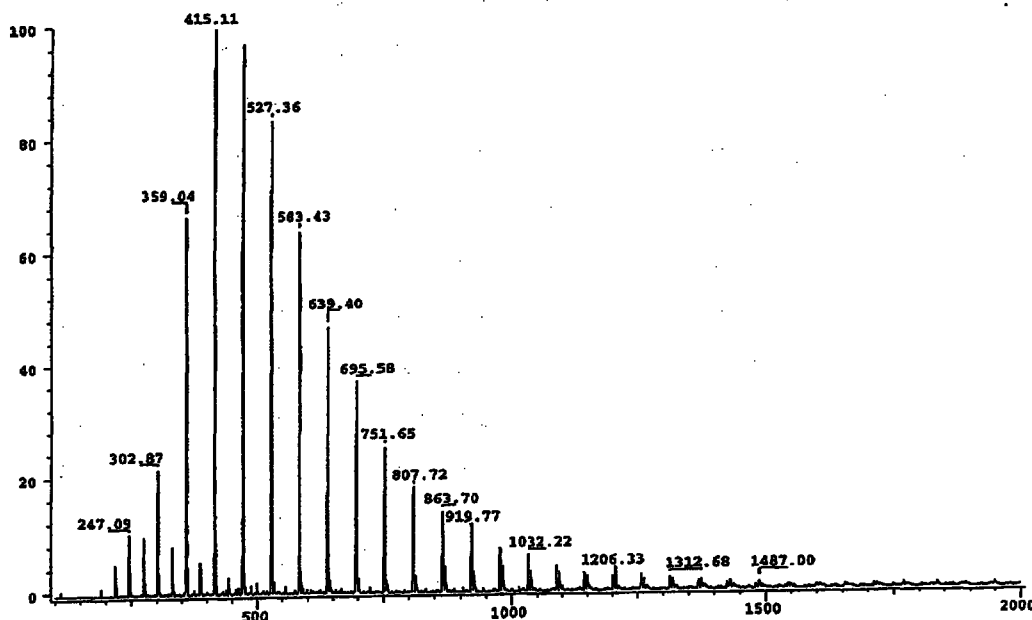
PCT

(10) International Publication Number  
**WO 01/70830 A2**

- (51) International Patent Classification<sup>7</sup>: C08F 8/00 (74) Agents: STUMPF, Walter, L. et al.; Chevron Corporation, Law Dept., P.O. Box 6006, San Ramon, CA 94583-0806 (US).
- (21) International Application Number: PCT/US01/08345
- (22) International Filing Date: 14 March 2001 (14.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
09/527,166 17 March 2000 (17.03.2000) US
- (71) Applicant: CHEVRON ORONITE COMPANY LLC [US/US]; 2613 Camino Ramon - 3rd Floor, San Ramon, CA 94583 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, 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, 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).
- (72) Inventors: HARRISON, James, J.; 12 Stonehaven Court, Novato, CA 94947 (US). CAMPBELL, Curtis, B.; 118 Montego Drive, Hercules, CA 94547 (US).
- Published:  
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: POLYALKENYL SULFONATES



(57) Abstract: Provided is a polyalkenyl sulfonic acid composition comprising a mixture of polyalkenyl sulfonic acids derived from a mixture of polyalkenes comprising greater than 20 mole percent alkyl vinylidene and 1,1-dialkyl isomers, and a method for making the composition. Also provided are low and high overbased sulfonates made from the mixture of polyalkenyl sulfonic acids, and lubricating oils containing the sulfonates.

WO 01/70830 A2



*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.*