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61/510,544 22 July 2011 (22.07.2011) US(71) Applicant (for all designated States except US): **R.T. VANDERBILT COMPANY, INC.** [US/US]; 30 Winfield Street, Norwalk, CT 06855 (US).

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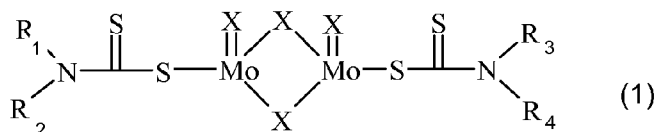
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(54) Title: MOLYBDENUM DIALKYLDITHIOCARBAMATE COMPOSITIONS AND LUBRICATING COMPOSITIONS CONTAINING THE SAME

(57) Abstract: A novel molybdenum dithiocarbamate composition is produced by preparing a ditridecylamine (DTD A) intermediate from a butylene feedstock comprising greater than 50% 2-butylene, and preparing a molybdenum dithiocarbamate composition from the DTDA intermediate. The resulting molybdenum dithiocarbamate composition are according to formula (1), wherein R₁ to R₄ are C₁₁-C₁₄ isoalkyl groups, and X represents oxygen and/or sulfur atoms, and R₁ to R₄ comprise, on average, greater than 98% C₁₃.