



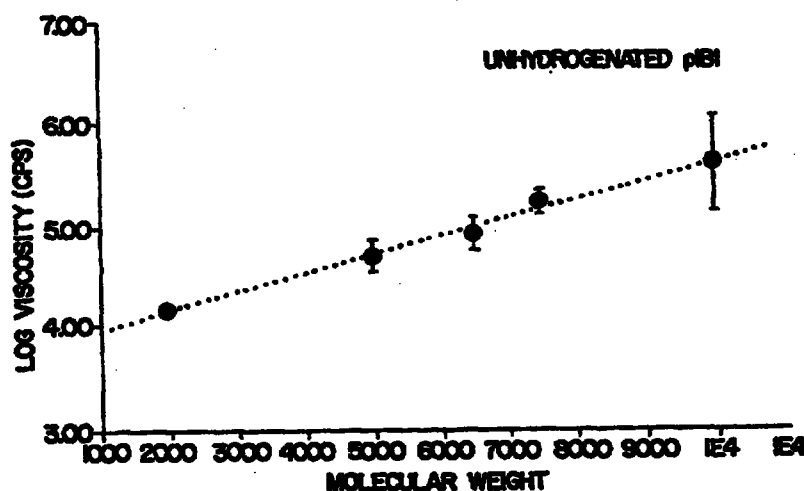
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(71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).			
(72) Inventors: BRANDES, Ellen, Bernice; 56 Castleton Road, Princeton, NJ 08540 (US). LOVELESS, Frederick, Charles; 252 Clover Hill Court, Yardley, PA 19067-5763 (US).			
(74) Agents: SANTINI, Dennis, P. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).			

(54) Title: DISPERSANTS AND DISPERSANT VISCOSITY INDEX IMPROVERS FROM SELECTIVELY HYDROGENATED POLYMERS



(57) Abstract

The invention provides dispersants and dispersant viscosity index improvers which include polymers of conjugated dienes which have been hydrogenated and functionalized. The dispersant substances include compositions including a copolymer of a ring substituted styrene and a conjugated diene. The polymers are selectively hydrogenated to produce polymers which have highly controlled residual amounts of aromatic unsaturation, permitting highly selective functionalization. Also provided are lubricant fluids, such as mineral and synthetic oils, which have been modified in their dispersancy and/or viscometric properties by means of the dispersant substances of the invention. Also provided are methods of modifying the dispersancy and/or viscometric properties of lubricating fluids such as mineral and synthetic lubricating oils. The dispersant substances may also include a carrier fluid to provide dispersant concentrates.