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(21) International Application Number: PCT/US99/03006 (22) International Filing Date: 12 February 1999 (12.02.99) (30) Priority Data: 60/074,722 13 February 1998 (13.02.98) US (71) Applicant (for all designated States except US): EXXON RESEARCH AND ENGINEERING COMPANY [US/US]; P.O. Box 390, 180 Park Avenue, Florham Park, NJ 07932-0390 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MURPHY, William, John [CA/US]; 16445 Coliseum Avenue, Baton Rouge, LA 70816 (US). CODY, Ian, Alfred [CA/US]; 7942C Wrenwood Boulevard, Baton Rouge, LA 70809 (US). WITTENBRINK, Robert, Jay [US/US]; 836 Shadyglen Drive, Baton Rouge, LA 70816 (US). SOLED, Stuart, Leon [US/US]; 21 Cooks Cross Road, Pittstown, NJ 08867 (US). McVICKER, Gary, Brice [US/US]; 65 Main Street, Califon, NJ 07830 (US). HANTZER, Sylvain [FR/US]; 37620 Seven Oaks Avenue, Prairieville, LA 70769 (US). LINEK, Sandra, Jean [CA/US]; 5202 Claycut Road, Baton Rouge, LA 70806 (US).	(74) Agents: SCUORZO, Linda, M. et al.; Exxon Research and Engineering Company, P.O. Box 390, Florham Park, NJ 07932-0390 (US). (81) Designated States: AU, CA, JP, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: PROCESS FOR IMPROVING BASESTOCK LOW TEMPERATURE PERFORMANCE USING A COMBINATION CATALYST SYSTEM (57) Abstract Waxy feeds are converted to a basestock using a unitized mixed powdered pellet catalyst comprising a metal hydrogenation component on a support having a first dewaxing component and a second isomerization component, wherein the first component is selected from 10 and 12 ring molecular sieves and mixtures thereof and the second component is an amorphous inorganic oxide. The first and second components are present in a ratio sufficient to promote wax isomerization and naphthene distractions without substantial decrease in VI.		