



[12] Patent

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[21] Application No.: GCC/P/2000/503 [22] Filing Date: 29/01/2000 [72] Inventors: 1- Robert Jay Wittenbrink, 2- Douglas Raymond Boate, 3- Daniel Francis Ryan [73] Owner: Exxon Research and Engineering Company, 180 Park Avenue, Florham Park, New Jersey 07932-0390, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. ⁷ : C10G 45/58 [56] Cited Documents: - EP 0753563 A (EXXON RESEARCH AND ENGINEERING COMPANY) 15 January 1997 - US 4684756 A (DERR Jr. et al.) 04 August 1987 - WO 97/21788 A (EXXON RESEARCH AND ENGINEERING COMPANY) 19 June 1997

[54] PRODUCTION OF SYNTHETIC LUBRICANT AND LUBRICANT BASE STOCK WITHOUT DEWAXING

[57] Abstract: A lubricating base stock useful for forming lubricants such as multigrade automotive oils, automatic transmission oils, greases and the like is prepared by hydroisomerizing a waxy hydrocarbon feed fraction having an initial boiling point in the 650-750°F range and an end point of at least 1050°F, synthesized by a slurry Fischer-Tropsch hydrocarbon synthesis process. The hydroisomerization forms a hydroisomerate containing the desired base stock which is recovered, without dewaxing the hydroisomerate. The hydroisomerization is conducted at conditions effective to convert at least 67 wt. % of the 650-750°F+ waxy feed hydrocarbons to lower boiling hydrocarbons. When combined with a standard lubricant additive package, these base stocks have been formed into multigrade automotive crankcase oils, transmission oils and hydraulic oils meeting the specifications for these oils.

No. of claims: 20