[19] PATENT OFFICE OF THE COOPERATION COUNCIL FOR THE ARAB STATES OF THE GULF

[19] مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

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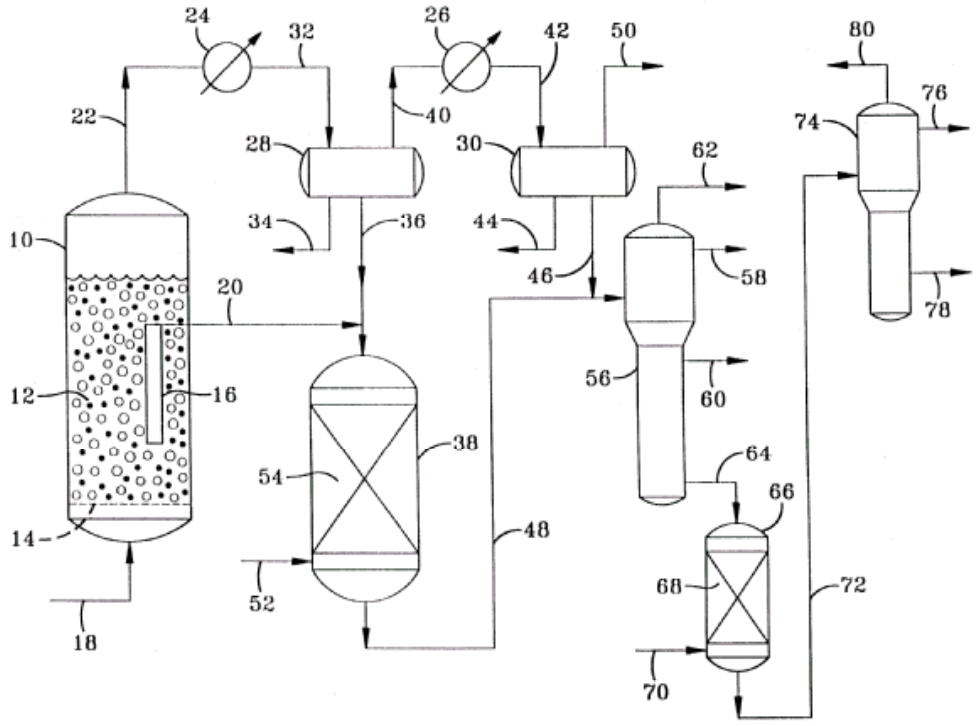
[21] Application No.: GCC/P/2000/498 [22] Filing Date: 26/01/2000 [30] Priority: [72] Inventors: 1- Janet Renee Clark, 2- Robert Jay Wittenbrink, 3- Daniel Francis Ryan, 4- Albert Edward Schweizer [73] Owner: Exxon Research and Engineering Company, 180 Park Avenue, Florham Park, New Jersey 07932 – 0390, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl.[7]: C10G 65/00 [56] Cited Documents: - US 6013171 A (COOK et al.) 11 January 2000 - US 5882505 A (WITTENBRINK et al.) 16 March 1999 - EP 0668342 A1 (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V.) 23 August 1995

[54] ISOPARAFFINIC BASE STOCKS BY DEWAXING FISCHER-TROPSCH WAX HYDROISOMERATE OVER PT / H - MORDENITE

[57] Abstract: A high VI and low pour point lubricant base stock is made by hydroisomerizing a high purity, waxy, paraffinic Fischer- Tropsch synthesized hydrocarbon fraction having an initial boiling point in the range of 650 - 750°F, followed by catalytically dewaxing the hydroisomerate using a dewaxing catalyst comprising a catalytic platinum component and an H -mordenite component. The hydrocarbon fraction is preferably synthesized by a slurry Fischer-Tropsch using a catalyst containing a catalytic cobalt component. This combination of the process, high purity, waxy paraffinic feed and the Pt/H- mordenite dewaxing catalyst, produce a relatively high yield of premium lubricant base stock.

No. of claims: 19 No. of figures: 1



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