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(71) Applicant: **CHEVRON U.S.A. INC.** [US/US]; 6001 Bollinger Canyon Road, San Ramon, CA 94583 (US).(72) Inventors: **ZHAN, Bi-Zeng**; Chevron Corporation, P.O. Box 6006, San Ramon, CA 94583 (US). **DAVIS, Tracy M.**; Chevron Corporation, P.O. Box 6006, San Ramon, CA 94583 (US). **LIANG, Ann Jia-Bao**; Chevron Corporation, P.O. Box 6006, San Ramon, CA 94583 (US).(74) Agent: **HAYWORTH, Melissa M.** et al.; Merchant & Gould, P.O. Box 2903, Minneapolis, MN 55402 (US).

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(54) Title: MTW-ZEOLITE AS SUPPORT FOR SECOND STAGE HYDROCRACKING CATALYSTS WITH IMPROVED SELECTIVITY AND COLD FLOW PROPERTY OF DISTILLATE PRODUCTS

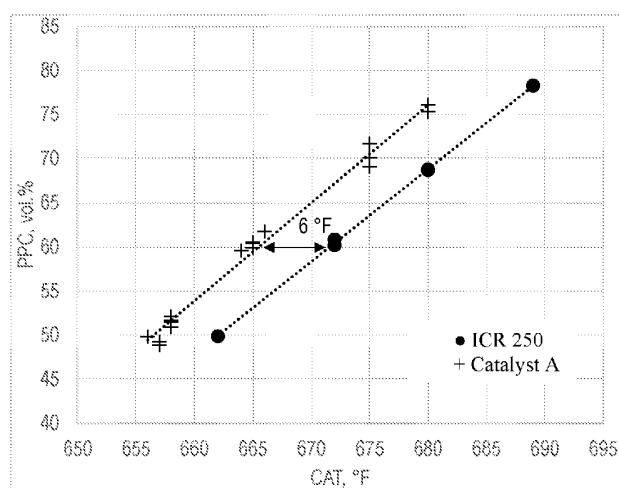


FIG. 1

(57) Abstract: The present process comprises hydrocracking a hydrocarbon feed in a first stage. The catalyst in the first stage is a conventional hydrocracking catalyst. The product from the first stage can then be transferred to a second hydrocracking stage. The catalyst used in the second stage of the present hydrocracking process comprises a base impregnated with metals from Group 6 and Groups 8 through 10 of the Periodic Table. The base of the catalyst used in the present second hydrocracking stage comprises alumina, an amorphous silica-alumina (ASA) material, a USY zeolite and zeolite ZSM-12.

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