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(71) Applicant: **CHEVRON U.S.A. INC.** [US/US]; 6001 Bollinger Canyon Road, P.O. Box 6006, San Ramon, California 94583-0806 (US).

(72) Inventors: **ZHANG, Yihua**; c/o Chevron Corp., P.O. Box 6006, San Ramon, California 94583-0806 (US). **OJO, Adeola Florence**; c/o Chevron Corp., P.O. Box 6006, San Ramon, California 94583-0806 (US). **LEI, Guan-Dao**; c/o Chevron Corporation, P.O. Box 6006, San Ramon, California 94583-0806 (US).

(74) Agent: **WARZEL, Mark et al.**; P.O. Box 6006, San Ramon, California 94583-0806 (US).

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(54) Title: CATALYST AND PROCESS USING SSZ-91 AND ZSM-12

(57) Abstract: An improved hydroisomerization catalyst and process for making a base oil product using a catalyst comprising SSZ-91 molecular sieve and ZSM-12 molecular sieve. The catalyst and process generally involves the use of a catalyst comprising an SSZ-91 molecular sieve combined with a ZSM-12 molecular sieve to produce dewaxed base oil products by contacting the catalyst with a hydrocarbon feedstock. The catalyst and process provide improved base oil cold properties, such as pour point and cloud point, along with other beneficial base oil properties.



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