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(71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).

(72) Inventors: ANGEVINE, Philip, Jay; 713 Maegus Drive, Woodbury, NJ 08096 (US). HUANG, Tracy, Jau-Hua; 9 Woodfield Lane, Lawrenceville, NJ 08648 (US). TSAO, Ying-Yen, P.; 713 South Bryn Mawr Avenue, Bryn Mawr, PA 19010 (US).

(74) Agents: PRATER, Penny, L. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).

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(54) Title: NOBLE METAL CONTAINING LOW ACIDIC HYDROCRACKING CATALYSTS

(57) Abstract

A hydrocracking catalyst is provided that includes a crystalline molecular sieve material component having a faujasite structure and an alpha acidity of less than 1, preferably 0.3 or less, and a dispersed Group VIII noble metal component. The extremely low acidity allows selective hydrocracking of the aromatic and naphthenic species in a feedstock, while limiting the cracking of paraffins. The catalyst produces improved yields of products, such as diesel fuel, at high conversion rates and with high cetane values.