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(54) Title: HIGH ACTIVITY SECOND STAGE NAPHTHA HYDROCRACKING CATALYST

(57) Abstract: Provided is a novel catalyst for use in the second stage of a two-stage hydrocracking process. 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, and an organic acid. The base of the catalyst used in the present second hydrocracking stage comprises alumina, an amorphous silica-alumina (ASA) material, and a USY zeolite. Improved naphtha production is achieved.



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