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(54) Title: PROCESS FOR TREATING A HYDROCARBON-CONTAINING FEED

(57) Abstract: A process is provided in which a first hydrocarbon-containing composition is provided. The first hydrocarbon-containing composition contains hydrocarbons having a boiling range of from 25 °C to 538 °C and contains from 0.1 wt.% to 5 wt.% sulfur on an atomic basis. At least 40 wt.% of the sulfur, on an atomic sulfur basis, is contained in hydrocarbon compounds having a boiling point of less than 343°C, and at least 40 wt. % of the sulfur contained in hydrocarbon compounds having a boiling point of less than 343 °C in the first hydrocarbon-containing composition is contained in benzothiophenic compounds. The first hydrocarbon-containing composition is contacted with hydrogen and a catalyst containing a Column 6 metal at a temperature of 260 °C-425 °C to produce a second hydrocarbon-containing composition. The second hydrocarbon-containing composition is separated into fractions, one of the fractions being a heavy hydrocarbon fraction comprised of hydrocarbons having a boiling point of at least 343 °C. The heavy hydrocarbon fraction is contacted with a fluidizable cracking catalyst at a temperature of at least 500 °C.



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