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(54) Title: HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS

(57) Abstract: A process to treat a heavy hydrocarbon feed in a liquid-full hydroprocessing reactor is disclosed. The heavy feed has a high asphaltenes content, high viscosity, high density and high end boiling point. Hydrogen is fed in an equivalent amount of at least 160 liters of hydrogen, per liter of feed, l/l (900 scf/bbl). The feed is contacted with hydrogen and a diluent, which comprises, consists essentially of, or consists of recycle product stream. The hydroprocessed product has increased value for refineries, such as a feed for an fluid catalytic cracking (FCC) unit.

