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(54) Title: METHODS FOR REMOVING UNSATURATED ALIPHATIC HYDROCARBONS FROM A HYDROCARBON STREAM USING CLAY

(57) Abstract: Disclosed is a method for removing unsaturated aliphatic compounds from a hydrocarbon feed stream by contacting the hydrocarbon feed stream with one of an adsorbent comprising clay, an acidic molecular sieve, and activated carbon to produce a hydrocarbon effluent stream having a lower unsaturated aliphatic content relative to the hydrocarbon feed stream. The hydrocarbon feed stream comprises an aromatic compound, a nitrogen compound, and an unsaturated aliphatic compound.



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