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(54) Title: HYDRODESULFURIZATION, DEOXYGENATION AND DEWAXING PROCESSES WITH WATER STABLE CATALYSTS FOR BIOMASS-CONTAINING HYDROCARBON FEEDSTOCKS

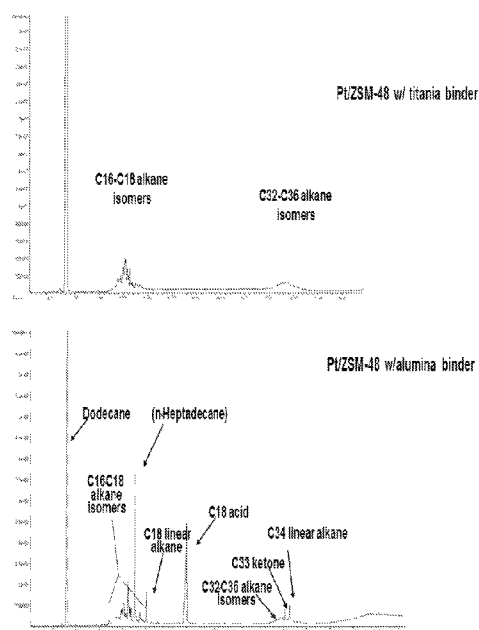


FIGURE 3

(57) Abstract: This invention relates to a method for hydroprocessing feedstreams containing both sulfur-containing mineral oils and biomass-derived feedstocks in a single reactor configuration. The process produces a desulfurized, deoxygenated and dewaxed hydrocarbon product having reduced oxygen content, increased iso-paraffin content, low n-paraffin content, and good cold flow properties. In preferred embodiments, the processes herein utilize water tolerant hydrodewaxing catalysts in order to prevent deactivation and/or catalyst loss due to water produced during the deoxygenation reactions in the biomass components.



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