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(54) Title: RENEWABLE HYDROCARBON COMPOSITION

(57) Abstract: The present invention provides a composition comprising 8-30 mass% of C₄₋₁₂ linear alkanes, 5-50 mass% of C₄₋₁₂ branched alkanes, 25-60 mass% of C₅₋₁₂ cycloalkanes, 1-25 mass% of C₆₋₁₂ aromatic hydrocarbons, no more than 1 mass% of alkenes, and no more than 0.5 mass% in total of oxygen-containing compounds; wherein the total amount of C₄₋₁₂ alkanes is 40-80 mass%, and the total amount of C₄₋₁₂ alkanes, C₅₋₁₂ cycloalkanes and C₆₋₁₂ aromatic hydrocarbons is at least 95 mass%; and wherein the amounts are based on the mass of the composition. Also provided is a method for producing the composition comprising the step of hydroprocessing a biological feedstock using a catalyst and the step of fractionating the product of the hydroprocessing step.

