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(54) Title: LOW ENERGY PRODUCTION PROCESS FOR RENEWABLE HYDROCARBONS

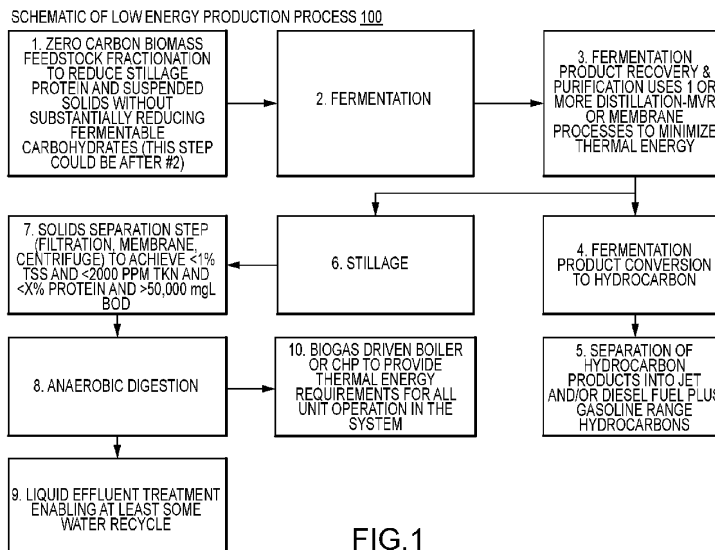


FIG.1

(57) Abstract: Disclosed is a carbon neutral, zero net energy process, system, and plant for converting lower linear and branched mono-olefins, derived from C₂-C₅ bio-based alcohols to higher hydrocarbons, to one or more C₈-C₂₄ hydrocarbons. Also disclosed are a carbon neutral, zero net energy process for oligomerization of branched and/or linear C₃-C₈ olefins to renewable diesel fuel and/or jet fuel.

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