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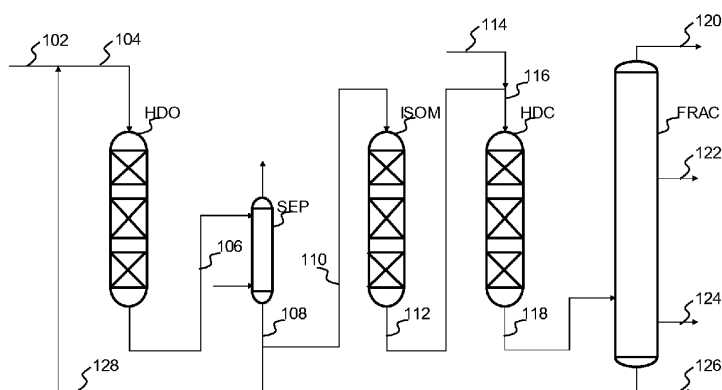


Fig. 1

(57) Abstract: The present disclosure relates to a process plant and a process for production of a hydrocarbon suitable for use as jet fuel from a feedstock being a renewable feedstock or an oxygenate feedstock, comprising the steps of combining the feedstock with an amount of a liquid diluent, directing it to contact a material catalytically active in hydrodeoxygenation under hydrotreating conditions to provide a hydrodeoxygenated intermediate product, separating said hydrodeoxygenated intermediate product in at least two fractions; a vapor fraction and a liquid fraction, optionally providing at least an amount of said liquid fraction as said liquid diluent, directing at least an amount of said liquid fraction to contact a material catalytically active in isomerization under isomerization conditions to provide an isomerized intermediate product, directing at least an amount of said isomerized intermediate product and a stream comprising sulfur to contact a material catalytically active in hydrocracking under hydrocracking conditions to provide a hydrocracked intermediate product, and fractionating said hydrocracked intermediate product to provide at least a hydrocarbon suitable for use as jet fuel, with the associated benefit of such a process being well suited for efficiently converting the upper-boiling point of a renewable feedstocks to a lower boiling product, such as non-fossil kerosene. In addition to said jet fuel, diesel and other hydrocarbons may also be produced.

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