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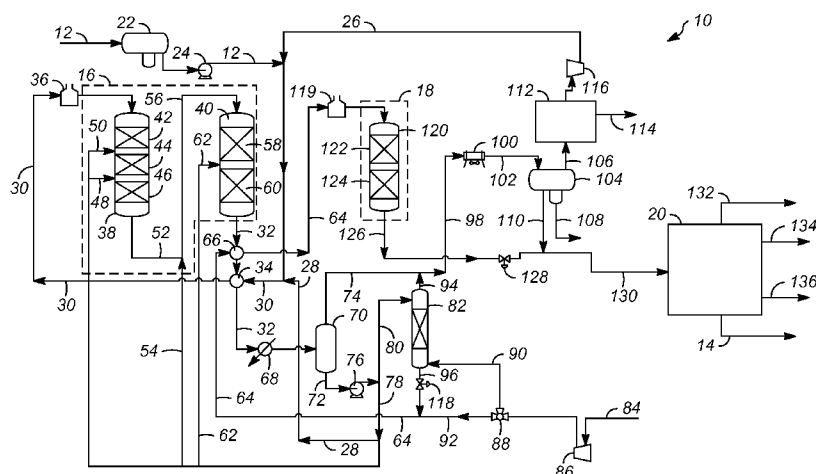


FIG. 1

(57) Abstract: Embodiments of methods and apparatuses for processing a renewable feedstock are provided herein. In one example, a method comprises dividing a H₂-rich make-up stream into a first H₂-rich portion and a second H₂-rich portion. The second H₂-rich portion has a lower mass flow rate than the first H₂-rich portion. The renewable feedstock is deoxygenated in the presence of the first H₂-rich portion at hydroprocessing conditions effective to form a deoxygenating reaction zone effluent that contains normal paraffins. At least a portion of the deoxygenating reaction zone effluent is isomerized in the presence of the second H₂-rich portion at isomerization conditions effective to form an isomerization reaction zone effluent that contains branched paraffin. The isomerization conditions include a first hydrogen partial pressure of 4,140 kPa gauge or less.