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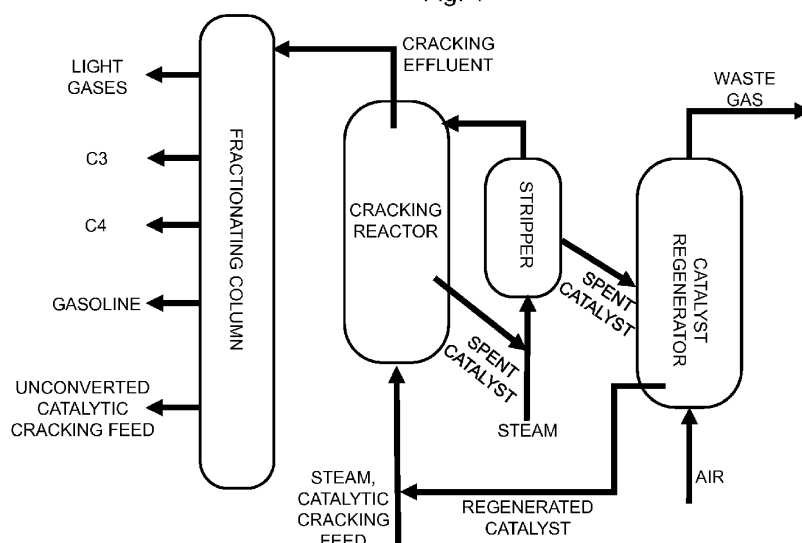
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(54) Title: PROCESS FOR MANUFACTURING BIO-BASED HYDROCARBONS AND BIO-GASOLINE COMPOSITION

Fig. 1



(57) Abstract: The present invention relates to a process for manufacturing bio-based hydrocarbons, in particular bio-propylene and optionally bio-gasoline. Further, the invention relates to a bio-propylene composition and to a bio-gasoline component obtainable by the process of the invention and to a method of producing a (co)polymer composition. The process comprises hydrotreating an oxygen-containing bio-based feedstock, followed by gas-liquid separation and optionally fractionation, to provide a hydrotreated bio-based hydrocarbon feed containing less than 1 wt.-% of gaseous compounds (NTP), providing a catalytic cracking feed comprising the hydrotreated bio-based hydrocarbon feed; catalytically cracking the catalytic cracking feed in a catalytic cracking reactor at a temperature of at least 450°C using a moving solid catalyst to obtain a cracking effluent; and recovering from the cracking effluent a fraction rich in bio-propylene as the bio-propylene composition, and optionally a fraction rich in C5-C10 hydrocarbons as the bio-

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gasoline component.