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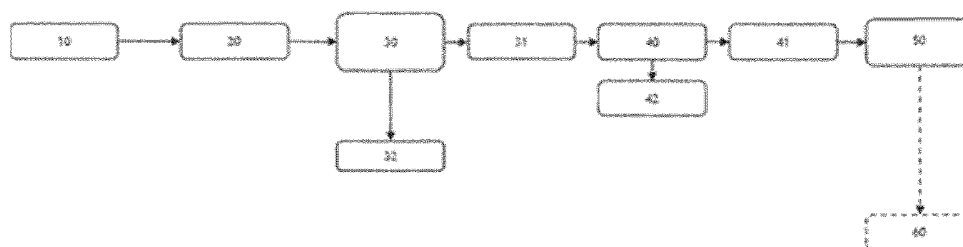
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(54) Title: PRODUCTION OF HYDROCARBONS FROM RECYCLED OR RENEWABLE ORGANIC MATERIAL

Figure 1



(57) Abstract: Provided herein is a method of producing hydrocarbons from a recycled or renewable organic material (10), wherein the recycled or renewable organic material comprises from 5 to 30 wt-% oxygen as organic oxygen compounds and from 1 to 1000 ppm phosphorous as phosphorous compounds, comprising the steps of a) providing the recycled or renewable organic material (10); b) optionally heat treating the recycled or renewable organic material to form a heat treated recycled or renewable organic material, wherein the at least part of silicon compounds present in the recycled or renewable organic material are converted to volatile silicon compounds; and c) thermally cracking (20) the recycled or renewable organic material (10) thereby reducing the oxygen and phosphorous content of the recycled or renewable organic material to obtain (i) a vapor fraction (32) comprising the major part of volatiles, and (ii) a thermally cracked recycled or renewable organic material fraction (31) comprising less oxygen and less phosphorous than the recycled or renewable organic material (10) provided in step (a); (d) optionally removing volatiles from the vapor fraction; e) optionally removing solids/precipitates from the thermally cracked recycled or renewable organic material fraction (31); and f) hydrotreating (50) the thermally cracked recycled or renewable organic material fraction (31) in a presence of a hydrotreating catalyst; to obtain hydrocarbons comprising less than 1 wt% oxygen and less phosphorous than the recycled or renewable organic material provided in step (a).

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