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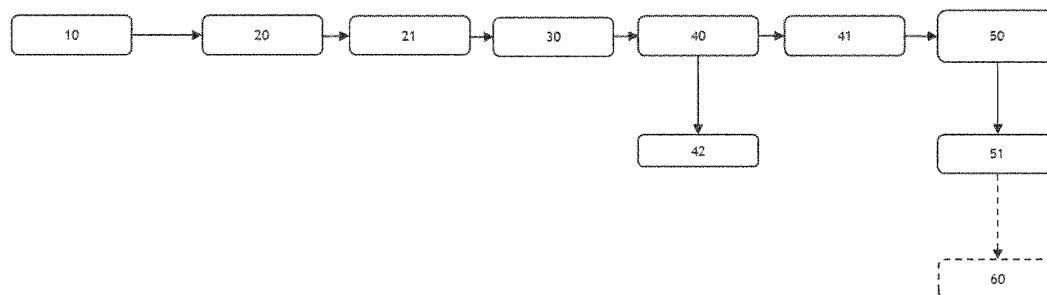
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(54) Title: PURIFICATION OF RECYCLED AND RENEWABLE ORGANIC MATERIAL

Figure 1



(57) Abstract: Provided herein is a method of purifying a recycled or renewable organic material, wherein the recycled or renewable organic material comprises one or more impurities selected from a group consisting of silicon compounds, phosphorous, Cl and sterols, comprising the steps of (a) providing the recycled or renewable organic material; (b) optionally pre heat treating the recycled or renewable organic material at 180 to 325°C, and optionally adding acid before or after the pre heat treatment process, and optionally filtering the pre heat treated recycled or renewable organic material after the pre heat treatment; (c) heat treating the recycled or renewable organic material at 100 to 450°C, optionally in the presence of an adsorbent, optionally adding water before or during the heat treatment process, and optionally adding acid before or after the heat treatment process, and optionally filtering the heat treated recycled or renewable organic material after the heat treatment; (d) optionally evaporating volatile silicon compounds from the heat treated recycled or renewable organic material compounds thereby reducing the silicon content of the heat treated recycled or renewable organic material; (e) optionally thermally cracking the recycled or renewable organic material thereby reducing the oxygen and

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phosphorous content of the heat treated recycled or renewable organic material, and optionally removing volatiles from the thermally cracked recycled or renewable organic material, and optionally removing solids/precipitates from the recycled or renewable organic material; and (f) hydrotreating the heat treated recycled or renewable organic material in a presence of a hydrotreating catalyst; to obtain purified hydrotreated recycled or renewable organic material.