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(54) Title: PYROLYSIS TAR UPGRADING

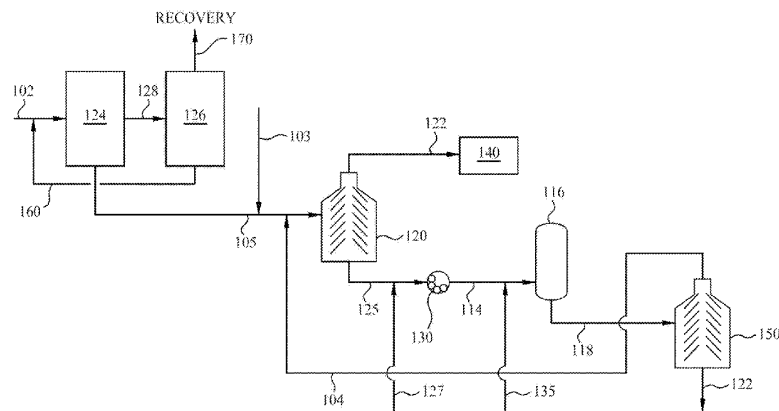


FIG. 1

(57) Abstract: Processes and apparatus for preparing a liquid hydrocarbon product are provided. In one embodiment, a process for preparing a liquid hydrocarbon product includes thermally-treating a tar to produce a first tar composition and blending the tar composition with a utility fluid to form a tar-fluid mixture. The process includes separating the tar-fluid mixture to form a first lower-density portion and a first higher-density portion containing solids. The process further includes thermally-treating the first higher-density portion to form a thermally-treated first higher-density portion to convert at least a portion of the solids to liquid.

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