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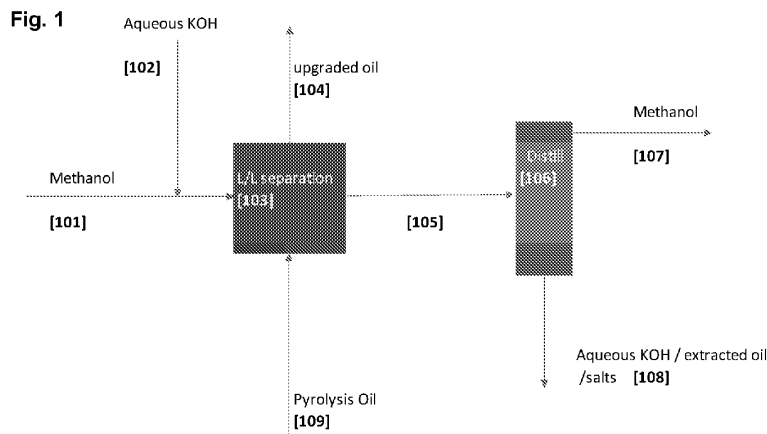
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(54) Title: PROCESS FOR PRODUCING AN UPGRADED PYROLYSIS OIL PRODUCT



(57) Abstract: A process for producing an upgraded pyrolysis oil product comprising combining the pyrolysis oil with a C₁₋₃ alcohol, a base selected from a Group I hydroxide or oxide and a Group II hydroxide or oxide; and water to provide a mixture comprising an extract phase and a raffinate phase, then allowing the mixture to form two liquid phases consisting of a raffinate phase and an extract phase, and separating the raffinate phase from the extract phase to yield an upgraded pyrolysis oil product; wherein the pyrolysis oil is derived from the pyrolysis of plastic or rubber, or a combination thereof. Use of a solution comprising a C₁₋₃ alcohol, a base selected from a Group I hydroxide or oxide and a Group II hydroxide or oxide, and water for decreasing the heteroatom content of a pyrolysis oil, wherein the pyrolysis oil is derived from the pyrolysis of plastic or rubber, or a combination thereof. In certain embodiments, the heteroatom content of silicon is reduced. In an embodiment, the pyrolysis oil is combined with the C₁₋₃ alcohol, the base and the water at a temperature of between about 10°C to about 50°C. In certain embodiments, the C₁₋₃ alcohol is selected from methanol or ethanol. In certain embodiments, the base is potassium hydroxide.

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