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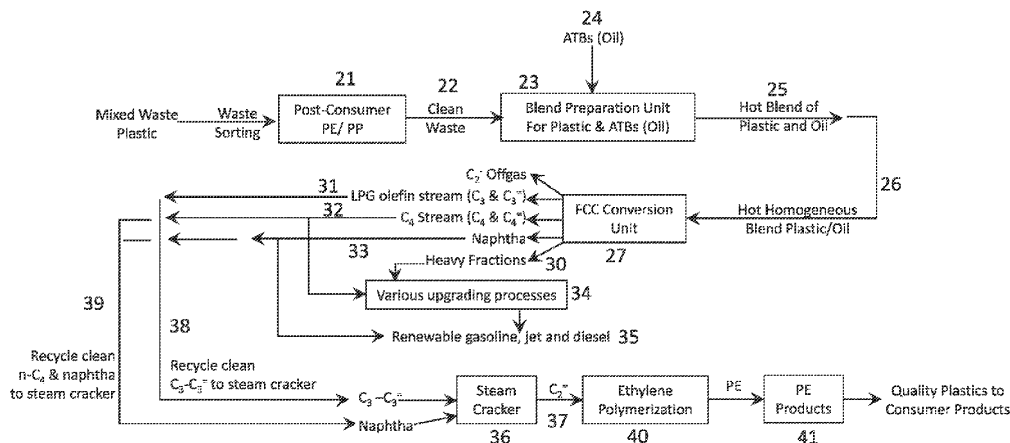
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(54) Title: NOVEL FEED FOR WASTE PLASTIC COPROCESSING IN A REFINERY

FIG. 5



(57) Abstract: Provided is a stable blend of a petroleum atmospheric tower bottoms (ATBs) feedstock and 1-20 wt. % of plastic, based on the weight of the blend, with the plastic comprising polyethylene and/or polypropylene, and the plastic in the blend comprising finely dispersed microcrystalline particles having an average particle size of 10 micron to less than 100 microns. A process for preparing a stable blend of plastic and petroleum is provided, comprising mixing together a petroleum feed and a plastic comprising polyethylene and/or polypropylene and heating the mixture above the melting point of the plastic, but less than 500°F. Then cooling the plastic melt and petroleum feedstock liquid blend with mixing to a temperature below the melting point of the plastic.

[Continued on next page]

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