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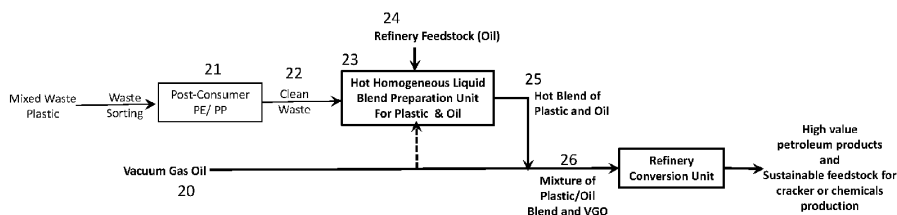
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(54) **Title:** PROCESS FOR STABLE BLEND OF WASTE PLASTIC WITH PETROLEUM FEED FOR FEEDING TO OIL REFINERY UNITS AND PROCESS OF PREPARING SAME

Figure 2
Preparation of a Hot Homogeneous Blend of Plastic and Petroleum Feedstock
for Direct Conversion of Plastic Waste in Oil Refinery Units



(57) **Abstract:** Provided is a blend of a petroleum 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 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.