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(54) **Title:** CHEMICAL RECYCLING OF POLYOLEFIN-CONTAINING PLASTIC WASTE AND SOLVOLYSIS COPRODUCT STREAMS

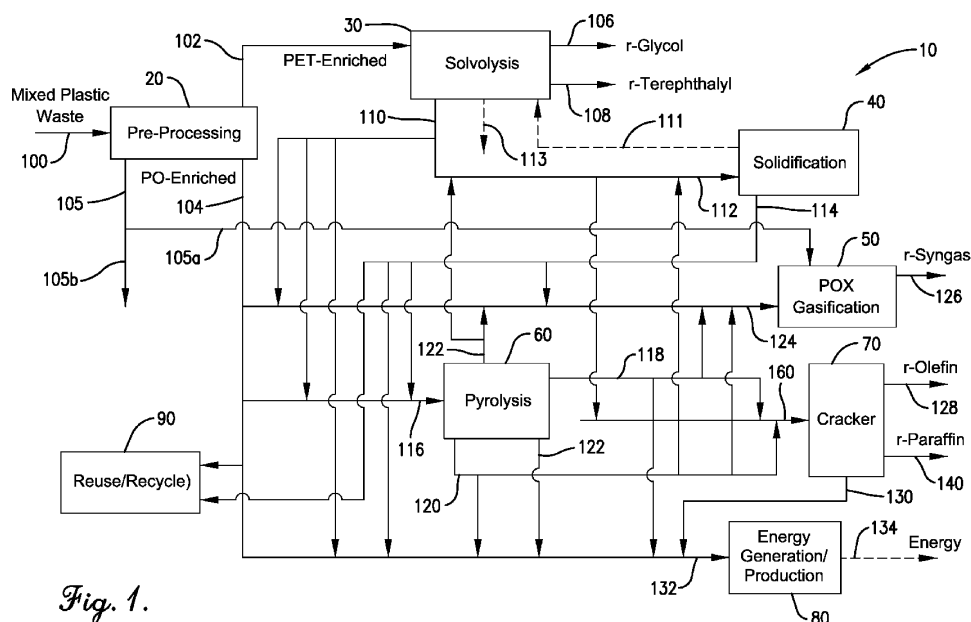


Fig. 1.

(57) **Abstract:** Chemical recycling facilities for processing mixed plastic waste are provided herein. Such facilities have the capability of processing mixed plastic waste streams and utilize a variety of recycling facilities, such as, for example, solvolysis facility, a pyrolysis facility, a cracker facility, a partial oxidation gasification facility, an energy generation/energy production facility, and a solidification facility. Streams from one or more of these individual facilities may be used as feed to one or more of the other facilities, thereby maximizing recovery of valuable chemical components and minimizing unusable waste streams.

[Continued on next page]

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