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(54) Title: CHEMICAL RECYCLING OF MATERIALS COMPRISING WASTE AUTOMOTIVE CARPET

(57) Abstract: Chemical recycling facilities for processing mixed waste plastic 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 recovery 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.

