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(71) Applicant: **EASTMAN CHEMICAL COMPANY**
[US/US]; 200 South Wilcox Drive, Kingsport, TN 37660
(US).

(72) Inventors: **DEBRUIN, Bruce, Roger**; 43 Amesbury
Court, Gray, TN 37615 (US). **EKART, Michael, Paul**;
1025 Hanover Ct, Kingsport, TN 37660 (US). **JACKSON,**
Anne-Martine, Sherbeck; 2209 Charsley Road, Kingsport,
TN 37660 (US). **WEST, Nathan, Mitchell**; 1912 Ashfield
Dr, Kingsport, TN 37664 (US). **LIU, Zhufang**; 1036 For-
rest Ridge Drive, Kingsport, TN 37660 (US).

(74) Agent: **TAYLOR POLK, Tammye, L.**; P.O. Box 511,
Kingsport, TN 37660 (US).

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(54) Title: CHEMICAL RECYCLING OF METAL-CONTAINING PLASTICS MIXTURES

(57) Abstract: Processes and facilities for using one or more PET-containing materials as a feedstock to a chemical recycling facility, and in particular a solvolysis facility, are provided herein. The PET-containing materials used as feedstock may comprise a quantity of PET and metal-containing reclaimer co-product. The PET and metal-containing reclaimer co-product may comprise a quantity of plastic articles, plastic flakes, and/or plastic fines, and may be derived from plastic reclaimer separation processes such as eddy current separators. Such metal-containing co-products are generally undesirable or unusable to mechanical PET recycling facilities, and typically are sent to landfills and/or incinerators. However, the processes and facilities described herein make use of the PET and other plastics present in these otherwise undesirable or unusable metal-containing co-products.



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