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(54) Title: CHEMICAL RECYCLING OF PLASTIC DRY FINES

(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-containing dry fines. The PET-containing dry fines may be derived from various processes and facilities, including PET reclaimer facilities and/or manufacturers of PET articles. For example, the dry fines may be collected from solid-liquid separators and/or dust collectors from processes that include conveying, drying, densification, centrifugation processes, and/or grinding PET-containing plastic material. Such dry fines 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 dry fines.