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(54) Title: WASTE PLASTIC DENSITY SEPARATION

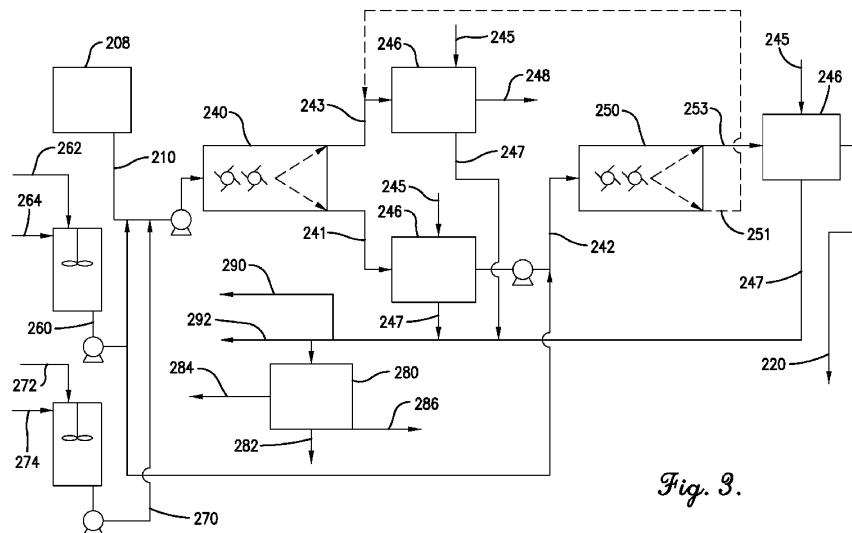


Fig. 9.

(57) Abstract: Methods and systems for separating mixed plastic waste are provided herein. The methods generally comprise separating the mixed plastic waste into a PET-enriched stream and one or more PET-depleted streams. The separating may be accomplished using the combinations of two or more density separation stages. Exemplary density separation stages include sink-float separators and centrifugal force separators. The PET-enriched and PET-depleted streams may be recovered and/or directed to downstream chemical recycling processes.

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