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(54) **Title:** RECYCLING MANAGEMENT SYSTEM AND METHOD

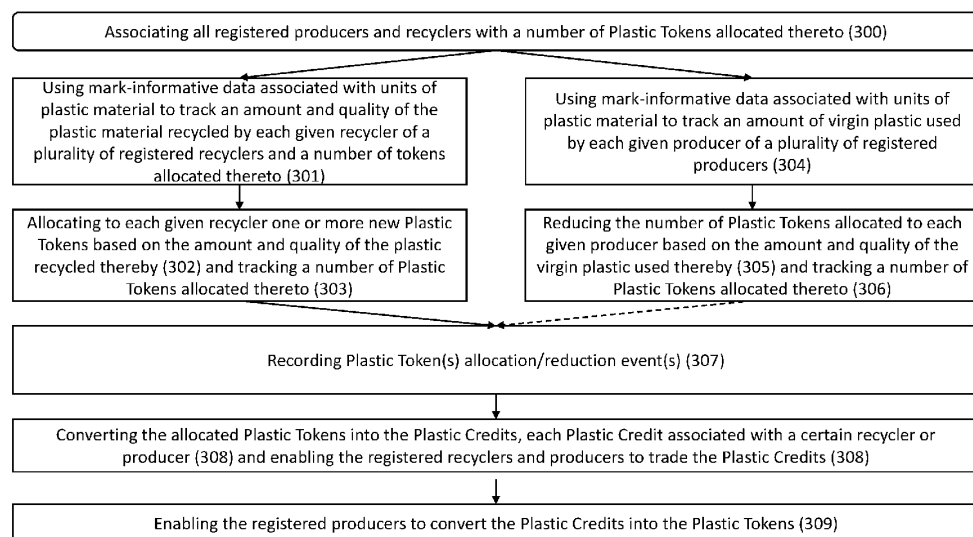


Figure 3

(57) **Abstract:** There is provided a technique of managing units of plastic material in a cycle involving a plurality of producers and a plurality of recyclers, each given unit bearing a mark with extractable mark-informative data associated with the given unit and informative of one or more properties thereof. The technique comprises for each recycler: using mark-informative data associated with the units of plastic material to track an amount and quality of plastic material recycled thereby; allocating one or more new Plastic Tokens in accordance with the amount of the recycled plastic material and tracking a number of Plastic Tokens allocated thereto. For each producer: using mark-informative data associated with the units of plastic material to track an amount of virgin plastic used thereby; tracking a number of Plastic Tokens allocated thereto and reducing the number of allocated Plastic Tokens in accordance with the amount of used virgin plastic material. The technique further comprises enabling converting the allocated Plastic Tokens into

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Declarations under Rule 4.17:

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the Plastic Credits, each Plastic Credit associated with a certain recycler or producer, wherein a Plastic Token is a digital certificate representative of rights to use in production a certain amount of virgin plastic material and wherein a Plastic Credit is a Plastic Token associated with a monetized value thereof.