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(57) Abstract :
The present disclosure relates to a system (100) for managing a plurality of trash bins that include sensors attached to the trash bins for detecting items in received garbage, a decentralized database connected over a blockchain network to computing devices, and an AI engine to generate contracts and transfer credits to users. The system (100) separates the garbage based on various attributes and transfers credits to the associated computing device of the user, with transaction information added to the decentralized database. The system (100) may also include a recycling module and a dashboard for monitoring and analyzing data related to garbage disposal and credit distribution.

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