

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911043390 A

(19) INDIA

(22) Date of filing of Application :24/10/2019

(43) Publication Date : 30/04/2021

(54) Title of the invention : MULTIPLE CHAMBER GARBAGE SEGREGATION APPARATUS

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(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a waste segregation apparatus. The apparatus includes: a housing having an inlet to receive an article of garbage; a second set of sensors configured with the inlet such that the second set of sensors to sense a second set of attributes associated with type of the article of garbage; a plurality of chambers, wherein each of the plurality of chambers is designated for receiving a distinct type of the article of garbage, and wherein each of the plurality of chambers having a lid to control access to the chamber, and wherein the distinct type of the article of garbage comprises a biodegradable and non-biodegradable; a rotatable plate configured with the inlet above the plurality of chambers; and a control unit operatively coupled to the second set of sensors, wherein the control unit configured to: determine the type of the article of garbage based on the sensed second set of attributes; open lid of one of the plurality of chambers based on the determined type of the article of garbage; and rotate the rotatable plate such that the article of garbage is segregated into the chamber designated for the determined type of the article of garbage.

No. of Pages : 16 No. of Claims : 10