

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/09/2023

(21) Application No.202311059233 A

(43) Publication Date : 06/10/2023

(54) Title of the invention : AN EFFICIENT AND ECOFRIENDLY GARBAGE COLLECTION AND SEGREGATION DEVICE

(51) International classification :B65F0001140000, G06F0012020000, F16K0015030000, F02M0026320000, B25J0013060000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

An efficient and ecofriendly garbage collection and segregation device (1), comprising; a housing body (2) with a wet chamber (3) and a dry chamber (4), wherein said housing body (2) is equipped with at least four wheels (5) for mobility, a shaft (6) connected to said housing body (2) and a setup bearing assembly connected with said shaft (6) for facilitating a movement in said device (1), a pneumatic cylinder (7) positioned at right side of said body and another pneumatic cylinder positioned at centre side of said body and each being configured for controlled expansion and contraction, a pair of jaws (8) for grasping and lifting a pre-defined amount of garbage, a plurality of pipes connected to a compressor, a remote control module for enabling wireless manipulation of the pneumatic cylinders and the pair of jaws, facilitating the segregation of the predetermined amount of garbage into the wet and dry chambers (3,4).

No. of Pages : 26 No. of Claims : 10