

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011012529 A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date : 24/09/2021

(54) Title of the invention : CAP COLLECTOR DEVICE

(51) International classification	:A61J0001200000, B65D0051000000, F25D0023120000, B67B0007180000, A61G0007057000	(71) <b>Name of Applicant :</b> <b>1)CGC Technical Campus Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Suman Saini</b>
(33) Name of priority country	:NA	
(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	

(57) Abstract :

A cap collector device comprising a first container 1 having an end wall 7 with an opener adapted for insertion of bottle mounted cap(s) 3, wherein the opener removes the cap(s) 3 from the bottle, a sensor 4 installed in the container for sensing amount of pressure exerted by the cap(s) 3 on the first container 1, a control unit connected with the sensor 4 for generating a command signal in case the pressure exerted on the first container 1 exceeds the threshold value, a second container 5 connected to and extending from the first container 1 for receiving cap(s) 3 via opening of the end wall 7 on receiving the command signal, and plurality of trash bag(s) 6 embedded in the second container 5 for storing the cap(s) 3.

No. of Pages : 12 No. of Claims : 7