

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014558 A

(19) INDIA

(22) Date of filing of Application :30/03/2021

(43) Publication Date : 23/12/2022

(54) Title of the invention : BOTTLE LID FIXING AND REMOVING DEVICE

(51) International classification	:B67B0007180000, B65D0090000000, E05C0017000000, A47G0023020000, C23G0003000000	(71)Name of Applicant : 1)Chandigarh Group of Colleges, Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
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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 bottle lid fixing and removing device comprises of a body 1 in combination with a leadscrew 2 and base 4, wherein the base 4 provides support to a bottle 3 and the leadscrew 2 aids in motion to the body 1, an Artificial Intelligence (AI) camera 9 for real-time monitoring of the bottle 3, a rotatable conveyor belts 7, 13 for unscrewing the lid, a telescopic rod 6 extends and retracts to provide a V-shape to the bars 8, and atleast two actuators for removing the lid from the bottle 3, the hinged joints enables angular movement of the actuators, a chamber 12 for accommodating plurality of metallic plates, the first pin lock aids in sliding of the metal plate and second pin lock aids in restricting of remaining plates, and an iris arrangement 11 for holding of the slid plate, the gear teeth molds the slid plate. Ref Figure 1.

No. of Pages : 13 No. of Claims : 6