

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011011187 A

(19) INDIA

(22) Date of filing of Application :16/03/2020

(43) Publication Date : 17/09/2021

(54) Title of the invention : BOTTLE STOPPER

(51) International classification	:B65D0001020000, B65D0039000000, C03B0009193000, F16K0051020000, A61M0005360000	(71)Name of Applicant : 1)CGC Technical Campus Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Rajeev Kumar
(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 :

The present invention relates to bottle stopper comprising a main body 3 with a chamfered having two claws 4 installed on the neck of the bottle in order to seal/unseal opening of the bottle, a retracting plunger 1 connected with the body 3 for retracting the body 3 in upward/downward direction upon pressing the plunger 1 by the user, a cam body 2 connected to the plunger 1 retracting in predefined direction upon pressing the plunger 1 for locking/unlocking the main body 3, a minor body 5 with a chamfered structure for holding a spring 6 positioned between the minor body 5 and cam body 2, an O-ring 7 positioned between the chamfered bottom face of the main body 3 and the minor body 5, wherein the O-ring 7 extends upon retraction of the main body 3 in downward direction.

No. of Pages : 9 No. of Claims : 6