

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014549 A

(19) INDIA

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

(43) Publication Date : 23/12/2022

(54) Title of the invention : ICE CLIMBING SAFETY DEVICE

(51) International classification	:A63B0069000000, A62B0035000000, B64D0017720000, B64D0017800000, B64D0015200000	(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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(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 an ice climbing safety device, comprises of a handheld body 1 oriented with telescopic rod 2 having a proximal and distal portion that includes handle 3 that is employed by user for inserting in ice wall for creating secure anchor point for driving user's weight upwards while climbing wall, curved headpiece 4 included with multiple teeth 5 facilitating in inserting and pivoting headpiece inside wall, ultrasonic module for determining thickness of ice layer associated with wall in order to depict ice stability, extendable toothed element 10 protrudes out of headpiece for extending penetration of wall for enhancing stability of point and parachute assembly 6 embedded in wrist fastener 7 by acceleration sensor attached on handle 3 to deploy the parachute assembly 6 to form structured canopy facilitating in decreasing rate of descent when the element 10 loses grip and the user falls off. Ref. Figure 1

No. of Pages : 13 No. of Claims : 8