

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014039 A

(19) INDIA

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

(43) Publication Date : 16/12/2022

(54) Title of the invention : DRILLING DEVICE

(51) International classification	:E21B0047120000, G10K0011172000, B23B0049000000, B25B0021000000, E21B0010620000	(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
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. Vikas Verma
(33) Name of priority country	:NA	2)Dr. Shalom Akhai
(86) International Application No	:NA	3)Venktesh Sharma
Filing Date	:NA	4)A. Anderson Jerin
(87) International Publication No	: NA	5)Dr. Sarabpreet Kaur
(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 a drilling device comprising, a body 1 having a first and second portions 2, 3, the first portion 2 aids to bore hole on a surface and the second portion 3 for holding the body 1 manually, a cylindrical barrel 4 having plurality of cavities, wherein the cavity accommodates multiple drill bits 7 of different types, a motor is embedded for enabling rotation of the drill bit 7, an Artificial Intelligence (AI) camera 5 for capturing images of the surface, the controller generates a command to actuate a specific drill bit 7 out of the barrel 4, a sensor 6 for sensing strength of the surface, the controller generates a command to regulate speed of the motor and a pinning unit 8 to expand the drill bit 7 for enabling a user to bore hole of different sizes on the surface. Ref Figure 1 &2

No. of Pages : 12 No. of Claims : 5