

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141059857 A

(19) INDIA

(22) Date of filing of Application :22/12/2021

(43) Publication Date : 31/12/2021

(54) Title of the invention : A SMART BOREWELL WITH PROTECTION LID

(51) International classification :B29C0065000000, G01F0023296000, G05B0019416000, G01S0007520000, B29C0035020000  
(86) International Application No Filing Date :PCT// :01/01/1900  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number Filing Date :NA :NA  
(62) Divisional to Application Number Filing Date :NA :NA

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(57) Abstract :

7. ABSTRACT A smart bore well provided with a lid (102) comprises an ultrasonic sensor (106), an arduino board (108), a servo motor (110), a battery module and custom controlled software application (104). The ultrasonic sensor (106) measures the distance using ultrasonic sound waves. The arduino board (108) provided to receive signals from sensor (106) and operate the servo motor (110) in closing the lid. The servo motors (110) are used for precise control of angular position, velocity and acceleration. The complete operation is controlled by custom controlled software application (104). The ultrasonic sensor alerts the arduino by detecting the approaching to operate the servo motor in closing of lid. The battery is connected to the arduino and sensor for power supply. Figure associated with Abstract is Fig. 1.

No. of Pages : 11 No. of Claims : 10