

(54) Title of the invention : BORE-WELL LIFE SAVING DEVICE

(51) International classification :A01M0031000000,
E05F0015740000,
G01S0017880000,
G01V0008120000,
E05F0015730000

(31) Priority Document No :NA
(32) Priority Date :NA
(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

(71)Name of Applicant :

1)Chandigarh Group of Colleges, JhanjeriAddress of Applicant :State Highway 12A Jhanjeri, Sahibzada
Ajit Singh Nagar, Punjab 140307, India. Punjab India

(72)Name of Inventor :

1)Manbir Kaur**2)Amarjeet Kaur****3)Dr. Sajjan Singh**

(57) Abstract :

A bore-well life saving device, comprising an infrared break beam sensor 1 integrated is installed with an emitter that emits invisible infrared beam which is received by a receiver, wherein a microcontroller determines falling of a/an user/animal inside the well 2 by analysing the fluctuation in the beam, a voice recognition unit 3 that recognizes screaming sound of the user/animal while accidentally falling, an image capturing module 4 that gets activated upon receiving inputs from the sensor 1 and unit 3 to decode the exact position of the user/animal, a telescopic gripper 5 for extending in the direction of the user/animal and holding the user and/or animal for forming a firm grip, a retractable flap 6 in combination with multiple grabbers for providing a platform on which the user/animal sits, wherein the grabbers hold onto the user/animal while evacuating from the well 2 via a scissor mechanism 7. Ref. Figure 1

No. of Pages : 15 No. of Claims : 10