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(57) Abstract :

An assistive roof anchoring device comprises of a pair of curved shaped bodies 1 to mount the device, a touch interactive display panel 6 to input commands , a pair of plate 3 for better holding ,a tactile sensor to determines hardness of the surface ,suction cup 4 for proper gripping of the body 1 , a harness 10 to provide support to the user's back, a laser projection unit 7 for projecting a path over the surface, a pair of wheel 2 to follow the projected path and move the bodies 1, an ultrasonic sensor for detecting distance require to be traveled by the wheel 2 , a pressure sensor for determining pressure exerted by the user ,roller 9 for wrapping the rope and a pair of telescopic rods 5 that extends and position the cups 4 over the surface.

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