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(57) Abstract :

A walking aid device, comprising a body 1 installed with a soil moisture sensor 2 that detects the moisture level of ground surface, multiple telescopic rods 3 extrudes out of the body 1 to penetrate deep down the surface, an IR(Infrared sensor) 4 for determining the distance between the user's shoes and body 1, that in turn is responsible for actuation of the rods 3, a LDR(light dependent resistors) 5 integrated with a controller for determining the intensity of light present around the user, wherein the controller generates a command if the intensity of light is low to actuate multiple LED(Light emitting Diodes) for imparting light, a shock absorption unit for absorbing uneven shocks and an AI(Artificial intelligence) powered thermal imaging camera 6 in continuation with an alarming unit positioned on the body 1 for detecting presence of harmful animals near the user and upon detection produces unusual sounds.

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