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(57) Abstract :

A convertible walking assistance device for physically impaired comprising, a pair of telescopic rods 1 configured with U-shaped frame 2 via a telescopic bar 3 extends/retracts for providing support over a ground surface, frame 2 linked with a hand supporting units 14 that is gripped by a user for walking, a display unit 4 fabricated on rods 1 for inputting command regarding walking or sitting mode, a motorized slider 5 mapped over rods 1 for translating a set of wheels 9 or suction units 6 for maneuvering rods 1 in case of walking mode or for providing grip on surface, an AI module 7 for capturing multiple images of user for decode height of user, a detachable electromagnetic plate 8 for providing back support, and a pair of telescopically operated L-shaped links 10 configured with a platform 11 individually linked with rods 1 extends for providing support to users legs.

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