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(57) Abstract :

A sitting assistive device for a medical patient, comprising a frame 1 with pair of clamps 2 to hold the foot board, an image capturing module 3 to detect the location of patient's hands, a pair of telescopic rod 4 provided with a holding unit 5 to allow patient to grip the unit 5, a pressure sensor mounted on holding unit 5 to detect the grip of patient over the holding unit 5, a pair of clasping member 6 to secure the patient's hand on the holding unit 5, a pair of telescopically operated L-shaped bars 7 each supplied with a plate 8, positioned on the holding unit 5 to slide the plate 8 under patient's back and a pair of motorized ball and socket joints linked between bars 7 and the holding unit 5 to lift the patient and aid in attaining the sitting posture.

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