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(54) Title of the invention : A GAIT TRAINING SYSTEM AND METHOD FOR USING THE SAME FOR TRAINING A PATIENT

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(57) Abstract :

Disclosed is a method 300 for providing a gait training to a patient, the method 300 comprising steps of receiving a monitored ground contact force exerted by a foot of the patient from sensors 114 inserted into a shoe of the patient, and a monitored rotation of joints of the patient from a joint angle tracker 116, determining gait phases and abnormalities in a walking pattern of the patient through a contact force measurement, determining walking parameters based on the monitored rotation of the joints of the patient, and transmitting the determined gait phases, the determined abnormalities, and the determined walking parameters to a user device 106 of one, of the patient, an administrator, a medical practitioner, a caretaker, or a combination thereof.

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