

Mobile Gait Force and Motion Analysis System

Disclosure Number

201202964

Technology Summary

The invention relates to motion analysis. This system measures the full lower limb kinetics and kinematics of subjects outside of a motion capture gait laboratory. The system can determine the torques and forces at any of the joints in the body or in any of the limb segments. The system can be used for rehabilitation of patients experiencing injury to the lower extremity or amputee subjects. The system can also be used in the analysis and improvement of amputee prosthetics or joint replacement components. This system could also be used for the optimization of biomechanics in an athletic environment.

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