



A DEVICE FOR MEASURING BODY MOVEMENT AND PRESSURE UNDER THE SOLE OF THE FOOT



Invention details

The device enables medical practitioners to measure and quantitatively assess kinematic and dynamic quantities of body movement. Designed for diagnostic and restorative purposes, the system leads to improved therapeutic efficiency. Setting it apart from the competition, the device is extremely universal and light weight to enable use within smaller health facilities. Using the device, medical practitioners can simultaneously record and assess translational and rotational quantities of a selected body segment and the pressure under the sole of the foot.

Unique features

- Enables practitioners to record and assess kinematic and dynamic quantities of body movement.
- Consists of two force measuring boards and an accelerometer system which enable clinical examination of movement without external devices or adjustments to the examination room.
- Includes software to enable graphic representation of measured data and assessments.
- Easy to use in various types of health facilities and suitable for examining different types of movement and posture.

Application and use

The device has been designed for diagnostic and rehabilitation purposes in relation to movement and the nervous system in the fields of medicine and sports therapy and ergonomics.

What are we offering?

We offer a non-exclusive licence for the production and sale of the device for measuring body movement and sole pressure.



ORIGINATORS

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INTELLECTUAL PROPERTY

Czech utility model and know-how

TECHNOLOGY LEVEL

Prototype

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