

METHOD AND SYSTEM FOR JOINT ANGLE CALIBRATION FOR A WEARABLE SENSING DEVICE

Abstract

One or more embodiment of the present specification discloses a computer-implemented method, apparatus and system for joint angle calibration for a wearable sensing device being attached to two segments of a user's body connected by a joint. The method includes: receiving a first and a second set of image data, corresponding to images of the two segments of the user's body and the wearable sensing device attached thereto at a first position and a second position in substantially the same plane; determining a first/second joint angle between the two segments at the first/second position based on the first/second set of image data; receiving raw data from and measured by the wearable sensing device coincidentally with the wearable sensing device being at the first and second position; generating calibration data to calibrate the wearable sensing device based on the first and the second joint angles and the raw data; and transmitting the calibration data to the wearable sensing device for calibrating the wearable sensing device for subsequent use.

FIG. 7