

COMPENSATION AWARE REHABILITATION METHOD AND SYSTEM FOR MOVEMENTS OF UPPER LIMB

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Abstract

This invention relates to a system and a method for assisting psychomotor training of an individual with movement disabilities. The system is provided in the following manner. First, the system provides a calibration procedure. Subsequently, the system
10 initiates a game session. A game session includes iterations of a number of game tasks. For each game task, the system captures motion data of the individual and determines whether there is a compensatory motion. If a compensatory motion is detected, the system determines a compensation strategy based on the determined compensatory motion and adjusts a next game task according to the determined compensation strategy.
15 The performance of the individual is recorded and the next game task commences until completion of the game session. After the game session ends, the system displays the performance of said individual.

Figure 1 to accompany the abstract

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