

Title (en)  
APPARATUS AND METHOD FOR DETECTING AND CLASSIFYING SO AS TO BE ABLE TO EVALUATE AND SELF-EVALUATE EXERCISES

Title (de)  
VORRICHTUNG UND VERFAHREN FÜR NACHWEIS UND KLASSIFIZIERUNG ZUR BEURTEILUNG UND SELBSTBEURTEILUNGEN VON ÜBUNGEN

Title (fr)  
APPAREIL ET PROCÉDÉ DE DÉTECTION ET DE CLASSIFICATION PERMETTANT D'ÉVALUER ET D'AUTO-ÉVALUER DES EXERCICES

Publication  
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Application  
**EP 11710262 A 20110117**

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Abstract (en)  
[origin: WO2011086466A1] Method for detecting, classifying, teaching and training exercises comprising the phases of : - acquiring position and movement data relating to an exercise being carried out; - processing said acquired data to generate information relating to the exercise being carried out; - returning said information to the user/s so as to help teaching and training with the exercise being carried out; in which - said acquiring phase of said movement data relating to the exercise being carried out is realized by wearing one or more garments provided with movement detection sensors,- said exercise being carried out in the absence of external forcing; said processing phase comprises the phases of generating both a three-dimensional signal reproducing the exercise being carried out, and a numeric signal relating to the exercise being carried out; - the returning phase of the information to the user/s, being realized through the simultaneous displaying of the three-dimensional video signal reproducing the exercise being carried out, of a three-dimensional signal reproducing the exercise to be carried out and of a numerical signal comparing the three-dimensional video signals.

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