

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
EP 2525880 A1 20121128 (EN)

Application
EP 11710262 A 20110117

Priority
• IT MI20102130 A 20101117
• IT MI20100044 A 20100118
• IB 2011000077 W 20110117

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.

IPC 8 full level
A63B 24/00 (2006.01); **A61B 5/103** (2006.01); **A63B 71/06** (2006.01); **G06F 3/01** (2006.01); **G06F 3/033** (2006.01); **G06T 7/20** (2006.01); **G06T 15/00** (2011.01); **G09B 19/00** (2006.01)

CPC (source: EP)
A61B 5/0002 (2013.01); **A61B 5/103** (2013.01); **A61B 5/1122** (2013.01); **A61B 5/221** (2013.01); **A61B 5/6804** (2013.01); **A61B 5/6806** (2013.01); **A61B 5/7264** (2013.01); **A63B 24/0006** (2013.01); **A63B 71/0622** (2013.01); **G06F 3/014** (2013.01); **G06F 3/0346** (2013.01); **G06T 7/20** (2013.01); **G06T 15/00** (2013.01); **G09B 5/02** (2013.01); **G09B 19/00** (2013.01); **G09B 19/0038** (2013.01); **A63B 23/16** (2013.01); **A63B 2024/0012** (2013.01); **A63B 2071/0636** (2013.01); **A63B 2071/0647** (2013.01); **A63B 2071/065** (2013.01); **A63B 2220/10** (2013.01); **A63B 2220/803** (2013.01); **A63B 2220/806** (2013.01); **A63B 2220/836** (2013.01); **A63B 2225/50** (2013.01); **G16H 50/20** (2017.12)

Citation (search report)
See references of WO 2011086466A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011086466 A1 20110721; EP 2525880 A1 20121128; IT 1397737 B1 20130124; IT 1402873 B1 20130927; IT MI20100044 A1 20110719; IT MI20102130 A1 20110719

DOCDB simple family (application)
IB 2011000077 W 20110117; EP 11710262 A 20110117; IT MI20100044 A 20100118; IT MI20102130 A 20101117