

Title (en)

TRAINING DEVICE WITH THREE-DIMENSIONAL POSITION DETECTION, AND OPERATING METHOD THEREOF

Title (de)

TRAININGSVORRICHTUNG MIT 3D-POSITIONSERFASSUNG UND DEREN BETRIEBSVERFAHREN

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT AVEC DÉTECTION DE POSITION EN TROIS DIMENSIONS, ET SON PROCÉDÉ DE FONCTIONNEMENT

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Application

EP 15797641 A 20151117

Priority

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- EP 2015076793 W 20151117

Abstract (en)

[origin: WO2016079104A1] The invention relates to a training apparatus, in particular for functional muscle training, comprising an actuator (2), which is operatively connected to a cable (1), an arm (3) for guiding the cable (1), an adjusting mechanism (5) for adjusting the arm (3), a control unit for controlling at least the actuator (2), and detection means for determining the spatial position of a handling device (18) connected to the cable (1) on the basis of a cable outlet direction from the cable guiding of the arm (3), an output cable length and the spatial position of the arm (3) and for determining a cable force (Fs) acting on the cable (1), wherein the control unit controls the actuator (2) on the basis of comparing the determined spatial position and/or the cable force (Fs) and/or derivation thereof using predetermined values.

IPC 8 full level

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Cited by

CN110179626A; CN108905087A; CN109850557A

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