

Title (en)  
TRAINING METHOD AND DEVICE

Title (de)  
TRAININGSVERFAHREN UND -VORRICHTUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF D'ENTRAÎNEMENT

Publication  
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Application  
**EP 23184599 A 20130226**

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Abstract (en)

The present invention is directed to a method and apparatus for adaptive training one or more muscle(s) and/or joint(s) of a trainee. The method comprises the step of automatically determining an individual resistance, resistance band, speed and/or speed band of a user during movement of the training device by the user and the further step of automatically adjusting the resistance, resistance band and/or speed band for an actual or a later movement by the user according to the determination step. According to a preferred embodiment the further movement of the user is monitored and the training resistance automatically adapted.

IPC 8 full level

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Citation (search report)

- [A] WO 2007043970 A1 20070419 - SENSYACT AB [SE], et al
- [A] US 2009192021 A1 20090730 - WU MU-CHUAN [TW]
- [A] EP 1518589 A2 20050330 - BRUNSWICK CORP [US]
- [A] WO 2010064935 A1 20100610 - IND RES LTD [NZ], et al

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