

Title (en)

METHOD FOR CONTROLLING AND/OR REGULATING A TRAINING AND/OR REHABILITATION UNIT

Title (de)

VERFAHREN ZUR STEUERUNG UND/ODER REGELUNG EINER TRAININGS- UND/ODER REHABILITATIONSEINHEIT

Title (fr)

PROCÉDÉ POUR COMMANDER ET/OU RÉGLER UNE UNITÉ D'ENTRAÎNEMENT ET/OU DE RÉÉDUCATION

Publication

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Application

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Abstract (en)

[origin: WO2009056457A1] The invention relates to a method for controlling and/or regulating a training and/or rehabilitation unit, wherein a) a sensor unit is used in the flow of inspiration and expiration air of a person or an animal using the training and/or rehabilitation unit, b) physiological parameters of ventilation and/or gas exchange of the person or the animal are determined using the respiratory gas composition and/or breath volume measured using the sensor unit, c) one or more maximum performance variables are determined on the basis of the determined parameters under submaximal loading, using a regression function and/or by limit loading to the maximum performance capability, and d) a resistance or brake arrangement of the training and/or rehabilitation unit is controlled and/or regulated as a function of at least one of the determined maximum performance variables.

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