

Title (en)

A remote measuring device for an exercise machine with counterweights

Title (de)

Fernmessapparat für Gegengewicht-Übungsgerät

Title (fr)

Dispositif de mesure à distance pour un appareil d'exercice avec contre-poids

Publication

**EP 1284153 A2 20030219 (EN)**

Application

**EP 02425501 A 20020731**

Priority

IT BO20010510 A 20010808

Abstract (en)

A device (1) for measuring at least one current mechanical state parameter of a mobile counterweight (2) on an exercise machine (3) with counterweights, in which the counterweight (2) comprises a plurality of weights (4) placed one on top of another, whose number can be selected using a selection pin (5), which can be attached as required to one of the weights (4), so as to define a counterweight with a predetermined weight. The device comprises means (14) for generating a signal (18) that indicates the instantaneous position of the pin (5) relative to a predetermined reference part (19) and means (15) for detecting the signal. The generation means (14) and the detector means (15) are directly opposite one another and separated by the distance which the signal (18) covers only once so that the length of the signal path is minimised. <IMAGE>

IPC 1-7

**A63B 24/00**; **A63B 21/062**

IPC 8 full level

**A63B 21/062** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)

**A63B 21/0628** (2015.10 - EP US); **A63B 21/063** (2015.10 - EP US); **A63B 24/00** (2013.01 - US); **A63B 2071/065** (2013.01 - EP); **A63B 2220/13** (2013.01 - EP); **A63B 2220/20** (2013.01 - EP); **A63B 2220/62** (2013.01 - EP); **A63B 2220/803** (2013.01 - EP); **A63B 2220/805** (2013.01 - EP); **A63B 2220/833** (2013.01 - EP); **A63B 2225/02** (2013.01 - EP); **A63B 2225/50** (2013.01 - EP)

Cited by

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