

Title (en)

Total body elliptical exercise equipment with upper body monitoring

Title (de)

Elliptisches Ganzkörper-Übungsgerät mit Oberkörperüberwachung

Title (fr)

Equipement d'exercice elliptique pour le corps entier et avec appareil de surveillance pour le buste

Publication

EP 1666103 A2 20060607 (EN)

Application

EP 05255953 A 20050924

Priority

US 109804 A 20041201

Abstract (en)

An exercise device in accordance with the present invention includes a frame defining a longitudinal axis, with the frame having a rearward portion and a forward portion. A guide track and a foot link are provided. The foot link includes a rearward portion that is constrained to move in an orbital path approximately parallel to the longitudinal axis and a forward portion that reciprocally engages the guide track. A swing arm is provided having a pivotal connection to the frame. The swing arm includes an upper portion extending above the pivotal connection and a lower portion disposed below the pivotal connection. An engagement mechanism includes a first portion coupled to the lower portion of the swing arm and a second portion coupled to the forward portion of the foot link. A rearward force applied to the upper portion of the swing arm produces a force on the forward portion of the foot link having a downward component. A load monitoring mechanism is positioned to monitor the load applied to the swing arm.

IPC 8 full level

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CPC (source: EP US)

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