

Title (en)
RESISTANCE DEVICES, TOTAL-BODY EXERCISE MACHINES OUTFITTED THEREWITH, AND EXERCISE METHODS USING SUCH DEVICES AND MACHINES

Title (de)
WIDERSTANDSVORRICHTUNGEN, DAMIT AUSGERÜSTETE GANZKÖRPERÜBUNGSGERÄTE UND LEIBESÜBUNGSVERFAHREN UNTER EINSATZ SOLCHER VORRICHTUNGEN UND MASCHINEN

Title (fr)
DISPOSITIFS RESISTANTS, APPAREILS D'EXERCICE DE L'ENSEMBLE DU CORPS EN ETANT EQUIPES, ET METHODES D'UTILISATION DESDITS DISPOSITIFS ET APPAREILS

Publication
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Application
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Abstract (en)
[origin: US2002086779A1] An exercise reel comprising an elongated tension member having first and second ends, a user engagement connected to the elongated tension member first end for engaging a body appendage, a spool connected to the elongated tension member second end and on which the elongated tension member is adapted to be wound, a resistance mechanism comprising a rotatable disk and a pair of calipers for engaging the rotatable disk for resisting unwinding of the spool, and a retraction mechanism for automatically rewinding the spool. One aspect of the invention comprises an exercise machine comprising at least one exercise reel of the invention, preferably an aerobic leg exercise machine wherein the exercise reel comprises an arm exercise reel for providing resistance to the user's natural forward arm swing. Exercise machines comprising other types of resistance devices for providing resistance to the natural forward arm swing are also claimed. Other aspects of the invention comprise freestanding exercise devices incorporating the exercise reels and methods of exercising.

IPC 8 full level
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Citation (search report)
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• [X] US 4743015 A 19880510 - MARSHALL FRANK E [US]
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• [A] US 5486149 A 19960123 - SMITH FRED T [US], et al
• See references of WO 02053234A2

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