

Title (en)  
Exercise apparatus

Title (de)  
Übungsgerät

Title (fr)  
Appareil d'exercice

Publication  
**EP 1923102 A2 20080521 (EN)**

Application  
**EP 08002917 A 20010927**

Priority  
• EP 01977331 A 20010927  
• US 67893100 A 20001004

Abstract (en)  
Exercise equipment includes a housing having a structural surface defining an arcuate path, multiple pairs of pulleys positioned along the arcuate path, each pair of pulleys having passed between them a cable the proximal end of which is located outside the curved path, the distal end of the cable being coupled to a source of resistance within the housing such that when the proximal end of the cable is pulled by a user, the resistance exerts a counterforce to the cable. Alternatively, a single cable may be provided which exits through a movable trolley which is fixable at different positions along the arcuate path. Further exercise equipment includes a cable means attached at its distal end to a resistance means cooperating with pulley means for switching between a 2:1 mechanical advantage and a 1:1 ratio. At a proximal end of the cable, control means are used to exert effort against the resistance means.

IPC 8 full level  
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CPC (source: EP)  
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Citation (applicant)  
• US 4603855 A 19860805 - SEBELLE LESLIE W [US]  
• US 5102122 A 19920407 - PIANE JR ROBERT A [US], et al  
• US 5102111 A 19920407 - REPONTY ANDRU [FR]

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CN112999589A

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**WO 0228487 A1 20020411**; AU 9645801 A 20020415; CA 2422317 A1 20020411; CA 2422317 C 20090217; EP 1322385 A1 20030702; EP 1322385 A4 20061227; EP 1923102 A2 20080521; EP 1923102 A3 20080611

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**US 0130723 W 20010927**; AU 9645801 A 20010927; CA 2422317 A 20010927; EP 01977331 A 20010927; EP 08002917 A 20010927