

Title (en)
EXERCISE APPARATUS

Title (de)
ÜBUNGSVORRICHTUNG

Title (fr)
APPAREIL D'EXERCICE

Publication
EP 1322385 A4 20061227 (EN)

Application
EP 01977331 A 20010927

Priority
• US 0130723 W 20010927
• US 67893100 A 20001004

Abstract (en)
[origin: WO0228487A1] Exercise equipment includes a housing (12) having a slot extending along a curved surface of the housing (12) and a curved track extending along the slot defining a curved path, multiple pairs of pulleys (11) positioned along the curved track, each pair of pulleys (11) having passed between them a cable (9) the proximal end of which is located outside the curved track, the distal ends of the cables (9) of which is attached to a source of resistance (13) and attached to a means (100, 102, 103) that enables a user to exert force against the resistance. A movable trolley system (63) in which a pair of pulleys (62) is in the trolley that is fixable at different positions along the curved track (64). Further exercise equipment includes a cable means (68) attached at its distal end to a resistance means (69) cooperating with pulley means (207) for switching between a 2:1 mechanical advantage and a 1:1 ratio. There may be a set of counter-weights (216). Exercise equipment having a bilateral lifting system comprises multiple cables (262, 263) directed by pulleys (264) to their ends where attachments are connected at both ends of each cable with a single weight stack (265) at the mid area of each cable. The cables may pass through a set of multiple pulleys (266) running parallel atop the weight.

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A63B 21/062

IPC 8 full level
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Citation (search report)
• [X] GB 2186806 A 19870826 - LILLYWHITES CANTABRIAN LTD
• [X] US 6102836 A 20000815 - PERSON NORMAN D [US]
• [X] US 321388 A 18850630
• [X] US 4549733 A 19851029 - SALYER ALAN [US]
• See references of WO 0228487A1

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