

Title (en)  
AUTOMATIC WEIGHT ADJUSTING SYSTEM FOR EXERCISING APPARATUS

Title (de)  
AUTOMATISCHES SYSTEM FUR DIE REGELUNG VON GEWICHTE IN UBUNGSGERATEN

Title (fr)  
SYSTEME DE REGULATION AUTOMATIQUE DE POIDS POUR APPAREIL D'ENTRAINEMENT PHYSIQUE

Publication  
**EP 0617986 B1 19960925 (EN)**

Application  
**EP 92921861 A 19921016**

Priority  
ES 9200072 W 19921016

Abstract (en)  
[origin: WO9408663A1] The system comprises a weight (1) which is gradually displaceable along a rocking guide (10) which oscillates when the user performs an exercise by pulling the same weight (1) during the exercise for each determined position of the weight (1) along the rocking guide (10). The displacement of the weight (1) along the rocking guide (10) increases or reduces gradually the weight for the exercise of the user, through a combination of a resistance arm consisting of the weight (1) displaceable along the rocking guide (10) and of two power (4) and resistance (5) wheels associated to each other through a transmission means (7), the power wheel (4) being connected to the user-actuated means (13, 14) and the resistance wheel (5) being connected to the shaft (3) of the rocking guide (10).

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**A63B 21/06**

IPC 8 full level  
**A63B 21/06** (2006.01)

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**A63B 21/00076** (2013.01); **A63B 21/0615** (2013.01); **A63B 21/0616** (2015.10); **A63B 21/4035** (2015.10); **A63B 21/4047** (2015.10)

Cited by  
US7740568B2; DE19509267A1; EP0732128A3; US6036624A; EP0855198A3; CN110681119A; US10814156B2; US9694228B2

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