

Title (en)  
**MUSCLE EXERCISING DEVICE**

Publication  
**EP 0054080 B1 19850814 (DE)**

Application  
**EP 80107845 A 19801212**

Priority  
**EP 80107845 A 19801212**

Abstract (en)  
[origin: EP0054080A1] 1. Muscle training apparatus comprising a cross-shaped stand (1) with two horizontal arms (4, 5) and at which stand (1) a spring containing a bow-shaped handle (39) is arranged at each horizontal arm (4, 5), characterised in that at least one spring chamber (20) is arranged at each horizontal arm and at each vertical arm (2, 3, 4, 5) and a flat spiral spring of predominantly linear characteristic is contained in each spring chamber (20), and that each spiral spring is connected with a release mechanism and a pulling cable (37) and edge-free guiding means (40) are associated with each spring chamber (20) for the related pulling cable (37).

IPC 1-7  
**A63B 21/04**

IPC 8 full level  
**A63B 21/02** (2006.01); **A63B 23/12** (2006.01); **A63B 21/00** (2006.01); **A63B 23/035** (2006.01)

CPC (source: EP)  
**A63B 21/025** (2013.01); **A63B 21/153** (2013.01); **A63B 21/154** (2013.01); **A63B 21/4035** (2015.10); **A63B 23/03533** (2013.01); **A63B 23/12** (2013.01); **A63B 23/1209** (2013.01); **A63B 21/4033** (2015.10)

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