

Title (en)  
MUSCLE TRAINING DEVICE

Publication  
**EP 0140871 B1 19871119 (DE)**

Application  
**EP 84890166 A 19840910**

Priority  
AT 354283 A 19831006

Abstract (en)  
[origin: US4603859A] An implement for heavy athletics comprises a supporting frame, a tensile element, which is provided with a handle and adapted to be extended against a restoring force, and an instrument for measuring the tensile force exerted on the handle. To permit an exact measurement and the provision of a tensile force-displacement characteristic which is or can be exactly adapted to a given sport, the tensile force is measured by means of an electronic force pick-up, which comprises a force-measuring sensor and is combined with a digital display device. The force-measuring sensor is connected to the handle by means of the tensile element, and the tensile element is extensible against a resistance having a predetermined characteristic.

IPC 1-7  
**A63B 21/00**; **A63B 21/04**; **A61B 5/22**; **A63B 69/00**

IPC 8 full level  
**A61B 5/22** (2006.01); **A63B 21/00** (2006.01); **A63B 21/04** (2006.01); **A63B 21/055** (2006.01); **A63B 69/00** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)  
**A63B 21/023** (2013.01 - EP US); **A63B 21/00061** (2013.01 - EP US); **A63B 21/00065** (2013.01 - EP US); **A63B 21/0428** (2013.01 - EP US); **A63B 21/28** (2013.01 - EP US); **A63B 71/0622** (2013.01 - EP US); **A63B 2208/0233** (2013.01 - EP US); **A63B 2220/54** (2013.01 - EP US); **Y10S 482/901** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0140871 A1 19850508**; **EP 0140871 B1 19871119**; AT 381454 B 19861027; AT A354283 A 19860315; AT E30851 T1 19871215; BR 8405007 A 19850820; CA 1222883 A 19870616; DE 3467507 D1 19871223; US 4603859 A 19860805; ZA 847842 B 19851224

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