

Title (en)

MULTI-PURPOSE PORTABLE EXERCISING APPARATUS

Publication

**EP 0155629 B1 19881207 (EN)**

Application

**EP 85102829 A 19850312**

Priority

- US 58875584 A 19840312
- US 59951384 A 19840412
- US 59954984 A 19840412
- US 60340984 A 19840424
- US 60350284 A 19840424
- US 68870685 A 19850104

Abstract (en)

[origin: EP0155629A1] Portable exercising apparatus (10) for muscles in the arm, shoulder, hip, knee, wrist, back, abdomen, lower leg and ankle regions include an elongated tube (12) and a slide member (18) having a friction mounting on the tube (12). A force measuring mechanism (26) is coupled to the tube (12) so as to measure external forces exerted by the user. Various bracket structures form exercise units (200) for selectively exercising the various muscle groups.

IPC 1-7

**A63B 23/00**; **A63B 23/02**; **A63B 23/04**; **A63B 21/00**; **A61B 5/22**

IPC 8 full level

**A63B 21/012** (2006.01)

CPC (source: EP)

**A63B 21/012** (2013.01)

Cited by

CN113332671A; EP3311888A1; US4844055A; CN109876385A; EP2865363A1; CN109584427A; US11458346B1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0155629 A1 19850925**; **EP 0155629 B1 19881207**; CA 1239158 A 19880712; DE 3566614 D1 19890112

DOCDB simple family (application)

**EP 85102829 A 19850312**; CA 476227 A 19850311; DE 3566614 T 19850312