

Title (en)  
Physical exercise apparatus.

Title (de)  
Physikalisches Übungsgerät.

Title (fr)  
Appareil de culture physique.

Publication  
**EP 0403130 A1 19901219 (EN)**

Application  
**EP 90306029 A 19900601**

Priority  
GB 8913631 A 19890614

Abstract (en)  
Physical exercise apparatus comprising target members (10) to be actuated by a player (20), switch means (12) associated with the target members such that activation of the target members causes a change in the status of the switch means, signal means (11) selectively responsive to the status of said switch means, and control means (40) for selectively causing said signal means to change between a first condition and a second condition.

IPC 1-7  
**A63B 21/00**; **A63B 69/00**

IPC 8 full level  
**A63B 67/00** (2006.01); **A63B 69/00** (2006.01); **A63F 3/02** (2006.01); **A63F 9/02** (2006.01)

CPC (source: EP US)  
**A63B 69/0053** (2013.01 - EP US); **A63F 3/00643** (2013.01 - EP); **A63F 9/0291** (2013.01 - EP); **A63F 2250/14** (2013.01 - EP)

Citation (search report)  
• [A] DE 3204042 A1 19820902 - MARVIN GLASS & ASSOCIATES [US]  
• SOVIET INVENTIONS ILLUSTRATED,P,Q sections, week 8609, April 9, 1986 DERWENT PUBLICATIONS LTD., London, page 8 & SU - 1 172 573 - A ( ALMA )

Cited by  
FR2713944A1; US7147556B1; EP0700700A1; US5571267A; US9791246B2; WO0114025A1; WO0057973A1; WO0114027A1; WO0057972A1; US9808671B2; US10279216B2; EP2397202B1; WO2007142588A1; WO0114026A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0403130 A1 19901219**; AU 5701390 A 19901220; CA 2018955 A1 19901214; GB 2232898 A 19910102; GB 2232898 B 19921118; GB 8913631 D0 19890802; GB 9012320 D0 19900718; JP H0397476 A 19910423; ZA 904601 B 19910424

DOCDB simple family (application)  
**EP 90306029 A 19900601**; AU 5701390 A 19900613; CA 2018955 A 19900613; GB 8913631 A 19890614; GB 9012320 A 19900601; JP 15292690 A 19900613; ZA 904601 A 19900613