

Title (en)
Exercise handle having control device

Title (de)
Übungshandgriff mit Bedienungsvorrichtung

Title (fr)
Poignée d'exercice avec dispositif de commande

Publication
EP 2062619 A1 20090527 (EN)

Application
EP 07022764 A 20071123

Priority
EP 07022764 A 20071123

Abstract (en)
An exerciser includes an exercise arm having a barrel, a handle element having an axle rotatably engaged into the barrel, a signal generating device attached to the handle element and directed into the barrel for generating a signal into the barrel, and a signal receiving device disposed in the exercise arm for receiving the signal generated by the signal generating device even when the signal generating device and the handle element are rotated relative to the barrel of the exercise arm in order to control such as the resistive devices or retarding devices for the exerciser, the barrel may include a refractive member for refracting the signal generated by the signal generating device toward the signal receiving device.

IPC 8 full level
A63B 23/035 (2006.01); **A63B 24/00** (2006.01); **H01H 9/06** (2006.01)

CPC (source: EP)
A63B 22/001 (2013.01); **A63B 22/0012** (2013.01); **A63B 22/0605** (2013.01); **A63B 24/00** (2013.01); **A63B 21/4017** (2015.10); **A63B 2022/0652** (2013.01); **A63B 2220/833** (2013.01); **A63B 2225/50** (2013.01); **H01H 9/06** (2013.01)

Citation (applicant)
• EP 1700622 A1 20060913 - KUO HAI PIN [TW]
• US 5501648 A 19960326 - GRIGORIEV NIKITA [US]
• US 5836856 A 19981117 - MATTOO SUKHRAJ SINGH [GB], et al
• US 4923193 A 19900508 - PITZEN GERALD [US], et al
• US 6361479 B1 20020326 - HILDEBRANDT MARK D [US], et al
• US 4961569 A 19901009 - ROBERGE RAYMOND F [US]
• US 5145479 A 19920908 - OLSCHANSKY BRAD [US], et al
• US 5542893 A 19960806 - PETERSEN PAUL S [US], et al
• US 2005227824 A1 20051013 - WU PETER [TW], et al
• US 6620079 B2 20030916 - KUO HAI PIN [TW]

Citation (search report)
[AD] EP 1700622 A1 20060913 - KUO HAI PIN [TW]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2062619 A1 20090527

DOCDB simple family (application)
EP 07022764 A 20071123