

Title (en)
MULTIFUNCTIONAL PHYSICAL EXERCISING APPARATUS AND PROCESS FOR CONTROLLING IT

Publication
EP 0329748 B1 19911023 (FR)

Application
EP 88907341 A 19880823

Priority
FR 8712224 A 19870831

Abstract (en)
[origin: WO8901769A1] A physical exercising apparatus comprises an exercising element (100) displaced by a user, a motor device (120) which controls the movement of the exercising element by applying to it a counter-reaction force, control means (300, 310, 320) which pilot the motor device according to a predetermined sequence which associates each position reached by the exercising element with a value of the rate of displacement and/or a value of the counter-reaction force. The process for controlling the apparatus comprises cycles which consist in provoking, during displacement of the exercising element according to the initial predetermined sequence, an abrupt forward and/or backward movement between 0.1 and 5 degrees, and then in continuing the displacement of the element according to the initial displacement sequence. The apparatus thereby permits an excitation of the gamma innervation loop during the exercises.

IPC 1-7
A61H 1/02; A63B 21/008

IPC 8 full level
A61H 1/02 (2006.01); **A63B 21/008** (2006.01); **A63B 22/06** (2006.01); **A63B 23/04** (2006.01)

CPC (source: EP)
A63B 21/00069 (2013.01); **A63B 21/0083** (2013.01)

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

DOCDB simple family (publication)
WO 8901769 A1 19890309; AT E68691 T1 19911115; AU 2324588 A 19890331; DE 3865834 D1 19911128; EP 0329748 A1 19890830; EP 0329748 B1 19911023; FR 2619723 A1 19890303; FR 2619723 B1 19900119; JP H02500885 A 19900329

DOCDB simple family (application)
FR 8800422 W 19880823; AT 88907341 T 19880823; AU 2324588 A 19880823; DE 3865834 T 19880823; EP 88907341 A 19880823; FR 8712224 A 19870831; JP 50537688 A 19880823