

Title (en)
Stretching machine

Title (de)
Streckgerät

Title (fr)
Machine de sport pour étirements

Publication
EP 1602395 A1 20051207 (EN)

Application
EP 04425410 A 20040603

Priority
EP 04425410 A 20040603

Abstract (en)
A stretching machine includes a support base (B) on which there are pivoted a pair of vertical parallel uprights (V), held by adjustment pistons (P) pivoted between the uprights (V) and the base (B), an inclined bench (R) pivoted on the base (B), as well as a pair of slides (S) that slide on the uprights (V) along graduated guides (G) and carry footrests (F) whose position can be adjusted in the transverse direction by sliding a locking pin (A) along a slot (T), as well as in rotation around said locking pin (A). Such a machine allows the initial detection of the user's problems by leaving the machine's adjustments free so that it is the user's spontaneous position that defines the position of the various members, it allows to exercise the muscular "chains" thus preventing the body from compensating the loads among different muscles, does not require the assistance by an operator, allows the self-calibration of the load and the interruption of the movement at any time if a pain arises and the presence of various graduated and adjustable members allows to adjust the machine to any user and to any specific type of activity, as well as to detect with precision the progress achieved over time. <IMAGE>

IPC 1-7
A63B 23/00; **A63B 21/002**; **A63B 23/02**

IPC 8 full level
A63B 21/002 (2006.01); **A63B 23/00** (2006.01); **A63B 23/02** (2006.01); **A63B 23/035** (2006.01)

CPC (source: EP)
A63B 21/0023 (2013.01); **A63B 21/4029** (2015.10); **A63B 23/03583** (2013.01); **A63B 2208/0242** (2013.01)

Citation (search report)
• [A] US 5122106 A 19920616 - ATWOOD DUNCAN F [US], et al
• [A] US 3598405 A 19710810 - BURNS HARRY
• [A] US 2002025890 A1 20020228 - KEISER DENNIS L [US]

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

DOCDB simple family (publication)
EP 1602395 A1 20051207; **EP 1602395 B1 20070110**; DE 602004004247 D1 20070222; DE 602004004247 T2 20071115; ES 2279332 T3 20070816

DOCDB simple family (application)
EP 04425410 A 20040603; DE 602004004247 T 20040603; ES 04425410 T 20040603