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(12)

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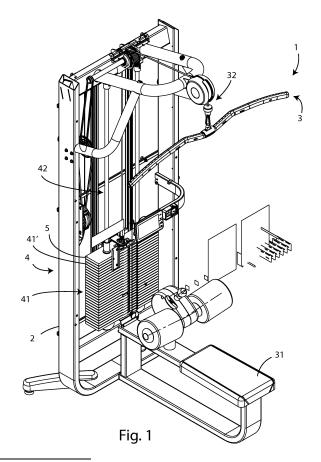
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### (54) LOAD ADJUSTIMENT SYSTEM FOR GYMNASTIC MACHINES AND TENSIONING AND RETURNING DEVICE FOR SAID ADJUSTING SYSTEM

(57)The present invention concerns a system (5) for adjusting a load (41) movable along a vertical direction (A) for gymnastic machines (1) provided with a frame (2), said system (5) comprising a supporting member (6) of said mobile load (41), provided with a plurality of adjustment holes (61 a, 61 b, ..., 61 n), said movable load (41) consisting of a plurality of weights (41') arranged stacked and selectively selectable, a selector member (7) intended to be inserted in one of said adjustment holes (61 a, 61 b, ..., 61 n) of said supporting member (6), in order to select a group of said weights (41'), adjusting said movable load (41), and a string (8) having an end fixed to said selector member (7), said system (5) being characterized by comprising tensioning means (9) of said string (8), to keep said string (8) in tension when said selector member (7) is inserted in one hole of said plurality of adjustment holes (61 a, 61 b, ..., 61 n), and to return said selector member (7) when it is disengaged from said plurality of adjustment holes (61 a, 61 b, ..., 61 n).

The present invention also concerns a tensioning and returning device (9).





#### **EUROPEAN SEARCH REPORT**

**Application Number** EP 16 18 9963

CLASSIFICATION OF THE APPLICATION (IPC)

TECHNICAL FIELDS SEARCHED (IPC)

A63B

INV. A63B21/062

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15	X	W0 03/105968 A1 (LE 24 December 2003 (2 * page 11, lines 26 1-25 * * page 13, lines 1-16 * * page 17, line 16-figures 4-11,19-23	2003-12-24) 0-25 - page -25 - page page 18	e 12, lines 14, lines	1,8
25	X	EP 0 691 140 A1 (IN [US]) 10 January 19 * column 3, lines 3 1-8 *	996 (1996-0	01-10)	1
	A	US 2010/105529 A1 ( 29 April 2010 (2010 * paragraphs [0050]	0-04-29)		1
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	P:inte	rmediate document		document	

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D: document cited in the application
L: document cited for other reasons & : member of the same patent family, corresponding document



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Application Number

EP 16 18 9963

	CLAIMS INCURRING FEES					
	The present European patent application comprised at the time of filing claims for which payment was due.					
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):					
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.					
20						
	LACK OF UNITY OF INVENTION					
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:					
25						
	and about D					
	see sheet B					
30						
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.					
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.					
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:					
45	None of the further search fees have been paid within the fixed time limit. The present European search					
50	report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:  1-9					
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).					



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## LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 16 18 9963

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely: 1. claims: 1-9 10 A system comprising a supporting member with a plurality of adjustment holes 15 2. claims: 10-14 A tensioning and returning device comprising a guide and a counterweight slidingly movable along said guide 20 25 30 35 40 45 50 55

#### EP 3 153 215 A3

#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 16 18 9963

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-01-2017

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