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(71) Applicants:
 • **Ho, Wei-Teh**
Taipei (TW)

• **Ho, Willy**
Taipei (TW)

(72) Inventors:
 • **Ho, Wei-Teh**
Taipei (TW)
 • **Ho, Willy**
Taipei (TW)

(74) Representative: **Karakatsanis, Georgios**
Haft Karakatsanis Patentanwaltskanzlei
Dietlindenstrasse 18
80802 München (DE)

(54) **Multi-dimensional abdomen exercise machine**

(57) An exercise machine applicable for strengthening a user's abdominal muscles is described. The exercise machine can include a track frame having a higher end and a lower end. Kneeling assemblies may be mounted on parallel gliding rails of the track frame to receive the knees from a user to make movements up and down between the lower end and the higher end of the track frame. Each kneeling assembly may be engaged with a pair of the gliding rails. A rotationally adjustable armrest holder may be adjustable rotationally mounted on the upper end of the track frame. The armrest holder can be oriented towards a direction having an angular relationship with an axis of the track frame between the lower end and the higher end. The armrest holder may capable of supporting the arms of the user making the movements with a twisting effect according to the angular relationship.

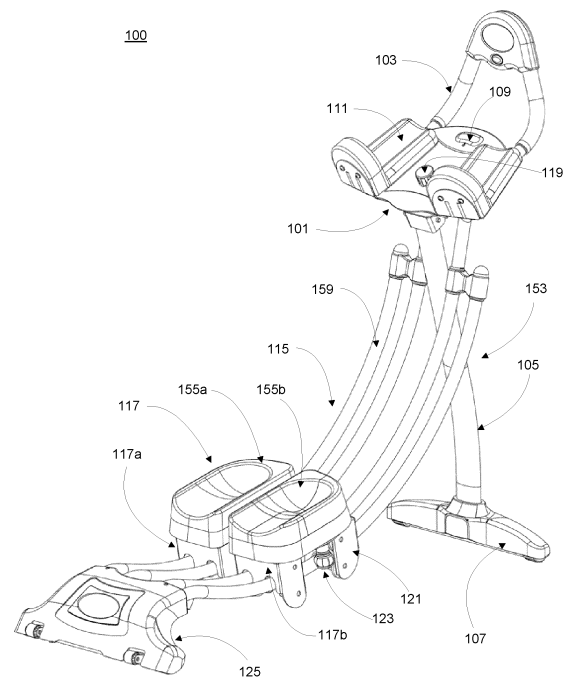


Fig. 1

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of subsequent proceedings, as the European search report

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	AU 2012 101 686 A4 (HO WEI-YU; HO WEI-TEH) 13 December 2012 (2012-12-13)	1,8-15	INV. A63B23/02 A63B21/00 A63B21/068 A63B22/14 A63B22/20 A63B22/00 A63B23/035 A63B23/04 A63B71/02
Y	* page 8 - page 16; figures * -----	2-7	
Y	US 2013/095981 A1 (CHUNG-TING TSENG [TW] ET AL) 18 April 2013 (2013-04-18) * column 2 - column 3; figures * -----	2-7	
A	US 2012/115694 A1 (CHEN PAUL [CA]) 10 May 2012 (2012-05-10) * abstract; figures *	1	
A	US 2012/115695 A1 (WATTERSON SCOTT R [US] ET AL) 10 May 2012 (2012-05-10) * abstract; figures *	1	
A	EP 2 452 723 A1 (CHEN PAUL [CA]) 16 May 2012 (2012-05-16) * abstract; figures * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A63B
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
Munich		20 February 2015	Borrás González, E
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04E07)

**INCOMPLETE SEARCH
SHEET C**

Application Number

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Claim(s) completely searchable:
1-15

Claim(s) not searched:
16

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Reason for the limitation of the search:

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Claims 1 and 16 have been drafted as separate independent apparatus claims.
Under Article 84 in combination with Rule 43(2) EPC an application may contain more than one independent claim in a particular category only if the subject matter claimed falls within one or more of the exceptional situations set out in paragraphs (a), (b) or (c) of Rule 43(2) EPC.
It is evident that the circumstances defined in Rule 43(2)(b) EPC do not apply, since the claims are not directed to a use.

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

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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.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82