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(54) **Balancing exerciser combination**

(57) A balancing exerciser (30) combination includes a balancing exerciser (30) disposed on a base (10) and having a foot support (32) for supporting a user and for allowing the user to conduct a balancing exercise, a column (20) attached to the base (10) and extended upwardly from the base (10), and a handle (25) mounted on the column (20) for supporting an upper portion of the user and for allowing the young, the elder, the children or the beginner to safely operate the balancing exercises. The balancing exerciser (30) includes a rounded bottom member (31) supported on the base (10) for being tilted relative to the base (10), and the foot support (32) is attached on the bottom member (31).

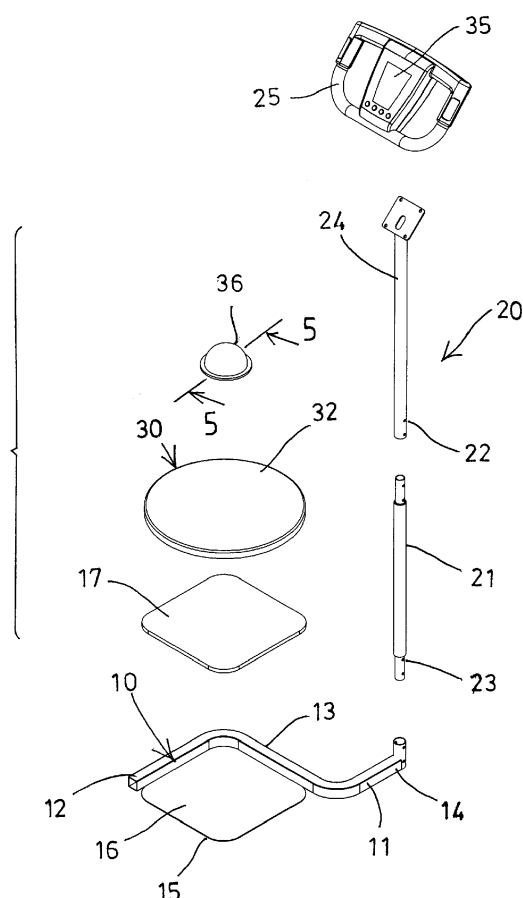


FIG. 1

Description

[0001] The invention relates to a balancing exerciser combination including a supporting stand or device for supporting the user and for allowing the user to safely conduct the balancing exercises.

[0002] Typical balancing exercisers comprise a disk or foot support for supporting a user, and a rounded member attached to the bottom for allowing the user to conduct the balancing exercises.

[0003] However, the users, particularly the elders and the children may feel afraid and may not use the typical balancing exercisers.

[0004] The invention is to provide a balancing exerciser combination including a supporting stand or device for allowing the user to safely operate the balancing exercises.

FIG. 1 is an exploded view of an exerciser combination;

FIG. 2 is a perspective view of the exerciser combination;

FIG. 3 is a front view of the balancing exerciser combination;

FIG. 4 is a side view of the balancing exerciser combination;

FIG. 5 is a cross sectional view of the balancing exerciser; and

FIG. 6 is a perspective view of the exerciser combination.

[0005] Referring to FIGS. 1-4, a balancing exerciser combination comprises an immovable base 10 for being supported on a surface or ground and including a frame 11 having an S or N-shaped structure and having two adjacent segments 12, 13 perpendicular to each other, and another segment 14 coupled to and perpendicular to the segment 13, and including a plate 15 attached to the segments 12, 13 for forming a space 16 in the base 10 and engaging with a cushion 17. The segment 14 is extended away from the space 16 and the cushion 17 of the base 10. An adjustable column 20 includes one or more (such as two) rods 21, 22, a lower end 23 attached to the segment 14 of the frame 11 of the base 10 and extended upwardly from the segment 14 of the frame 11 of the base 10, and is adjustable to different lengths for young or children, adults, or elders. A handle 25 is mounted on the upper portion 24 of the column 20 for supporting the user 8 (FIG. 6).

[0006] A balancing exerciser 30 is disposed on the cushion 17 of the base 10, and includes a semi-spherical or curved or rounded bottom member 31 for being tilted or inclined or pivotal relative to the base 10, and a foot

support 32 mounted on the bottom member 31 for supporting the user 8 (FIG. 6). A gravity sensor 33 and/or a processor or control member 34 are attached to the bottom member 31 or the foot support 32 (FIG. 5) for detecting the movement of the balancing exerciser 30. A control device 35 is mounted on the upper portion 24 of the column 20 or supported on the handle 25 and wirelessly or electrically connected to the control member 34 and/or the sensor 33 for receiving the detected signals or information from the control member 34 and/or the sensor 33, the control member 34 may receive the detected signals from the sensor 33 and may transmit the information to the control device 35 which may show the information to the user. A hood 36 may be attached to the foot support 32 for protecting the control member 34 and the sensor 33.

[0007] In operation, the user 8 may be supported on the foot support 32 (FIG. 6) and may grasp the handle 25 to conduct the balancing exercises. The column 20 is adjustable to different lengths for fitting different heights of the users, such as the elders or the children who may safely conduct the balancing exercises.

Claims

1. A balancing exerciser combination comprising a balancing exerciser (30) including a foot support (32), **characterized in that:**

a base (10) for supporting the balancing exerciser (30) includes a column (20) attached to the base (10), and a handle (25) mounted on the column (20).

2. A combination as claimed in claim 1, wherein the balancing exerciser (30) includes a rounded bottom member (31).

3. A combination as claimed in claim 1 or 2, wherein the balancing exerciser (30) includes a sensor (33).

4. A combination as claimed in claim 3, wherein the balancing exerciser (30) includes a control member (34) connected to the sensor (33).

5. A combination as claimed in claim 4, wherein a control device (35) is supported on the handle (25) and connected to the control member (34).

6. A combination as claimed in one of claims 1 to 5, wherein the column (20) includes at least two rods (21, 22) coupled together.

7. A combination as claimed in one of claims 1 to 6, wherein the base (10) includes a cushion (17).

8. A combination as claimed in claim 7, wherein the

base (10) includes a space (16) for engaging with the cushion (17).

9. A combination as claimed in claim 8, wherein the base (10) includes a frame (11) having two segments (12, 13), and a plate (15) attached to the segments (12, 13) for forming the space (16) in the base (10) and for receiving and engaging with the cushion (17).

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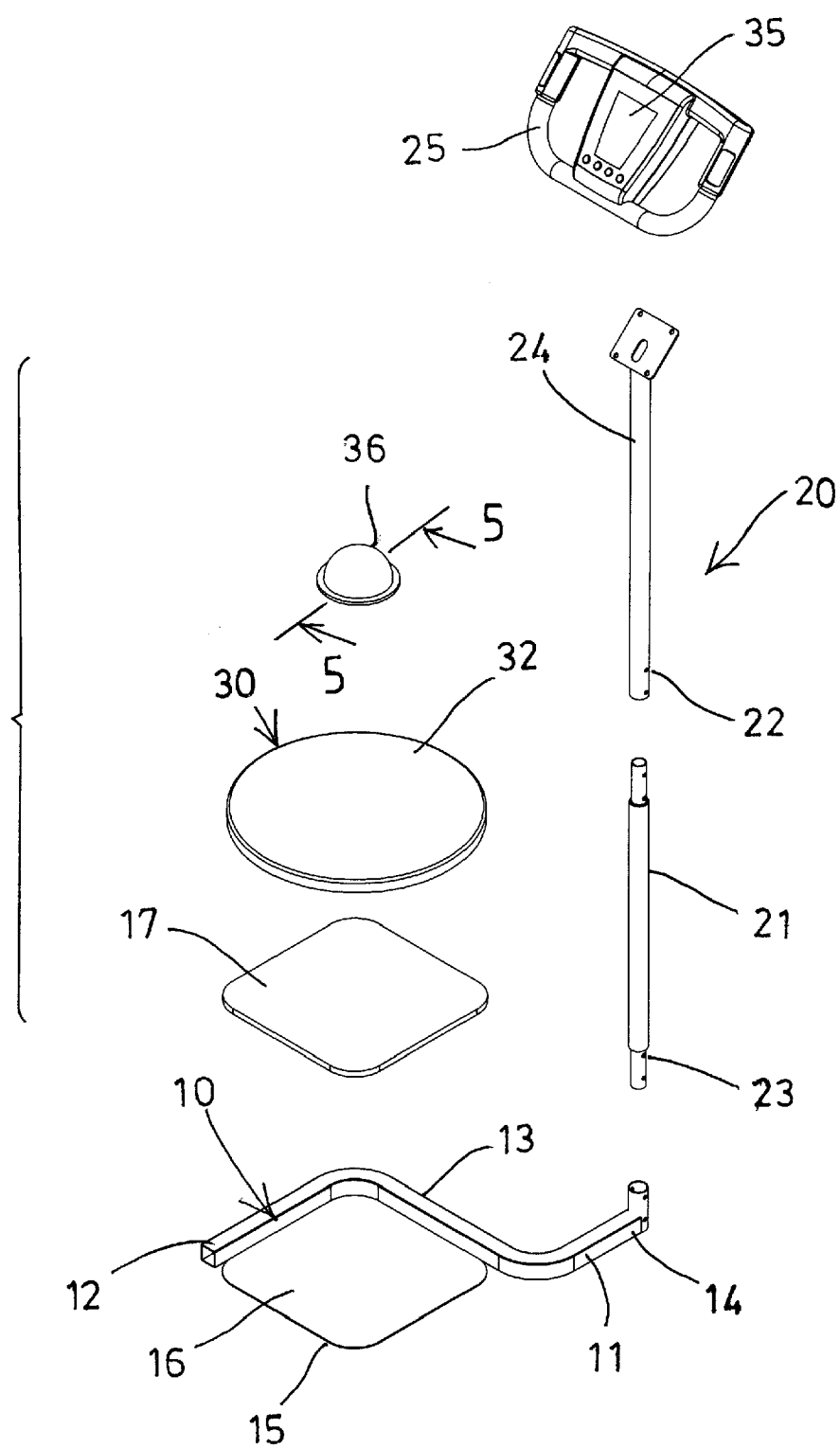


FIG. 1

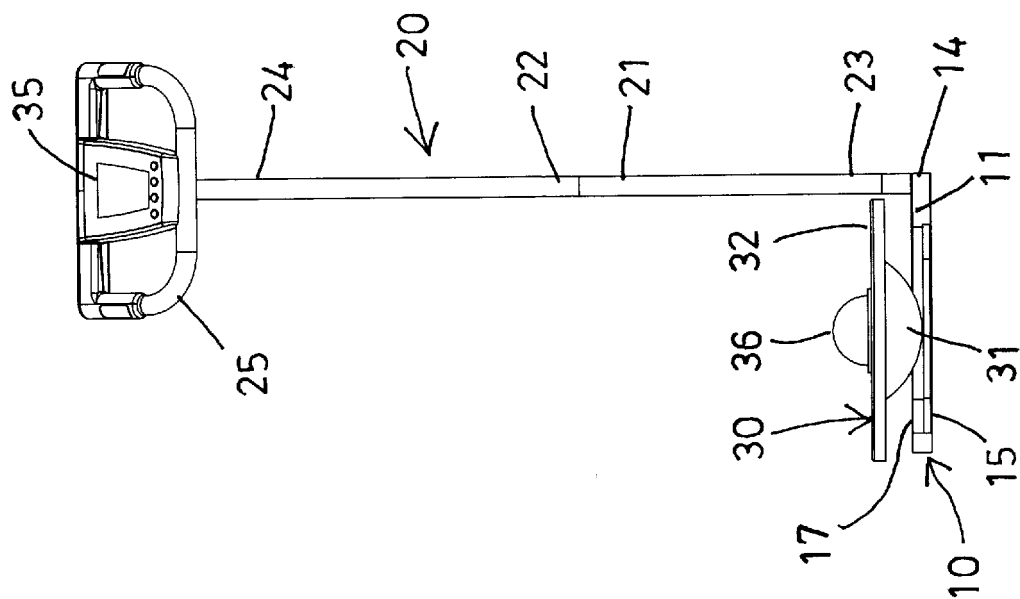


FIG. 3

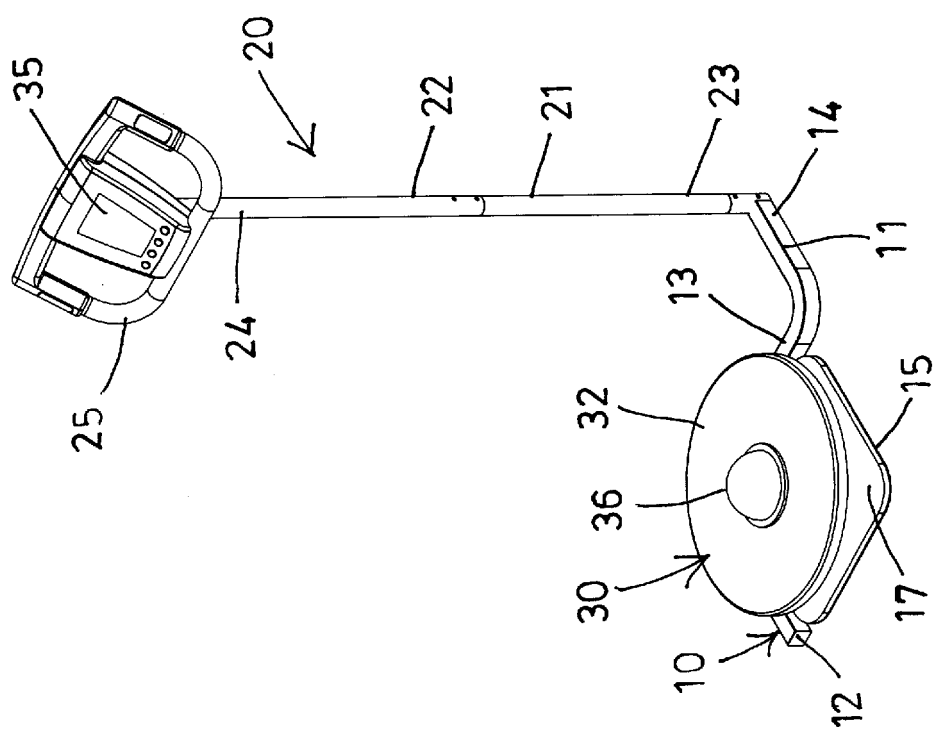


FIG. 2

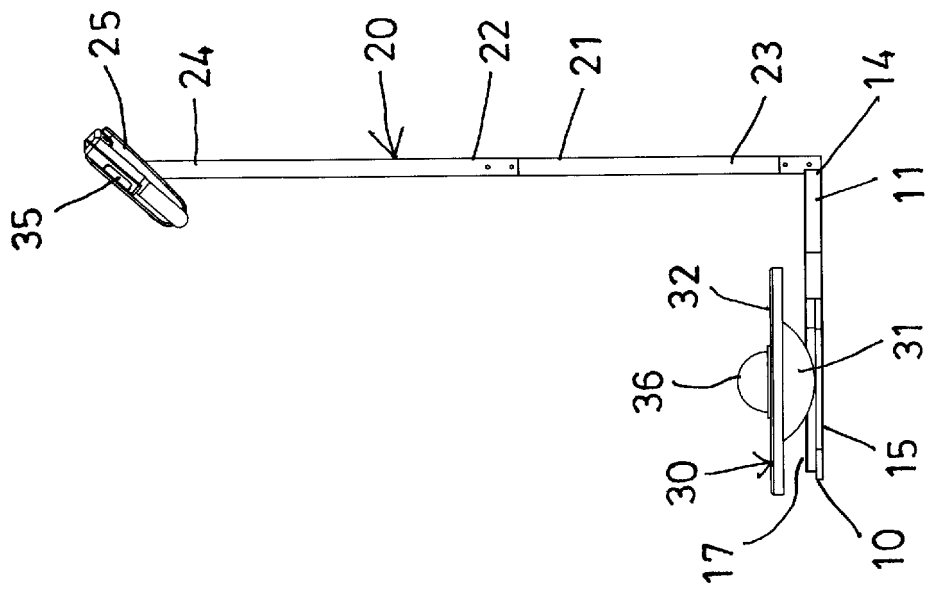


FIG. 4

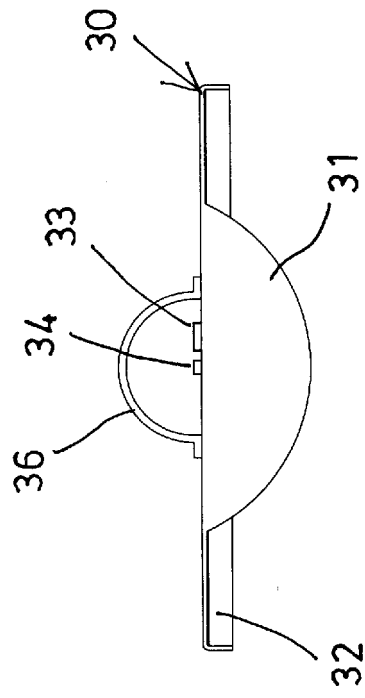


FIG. 5

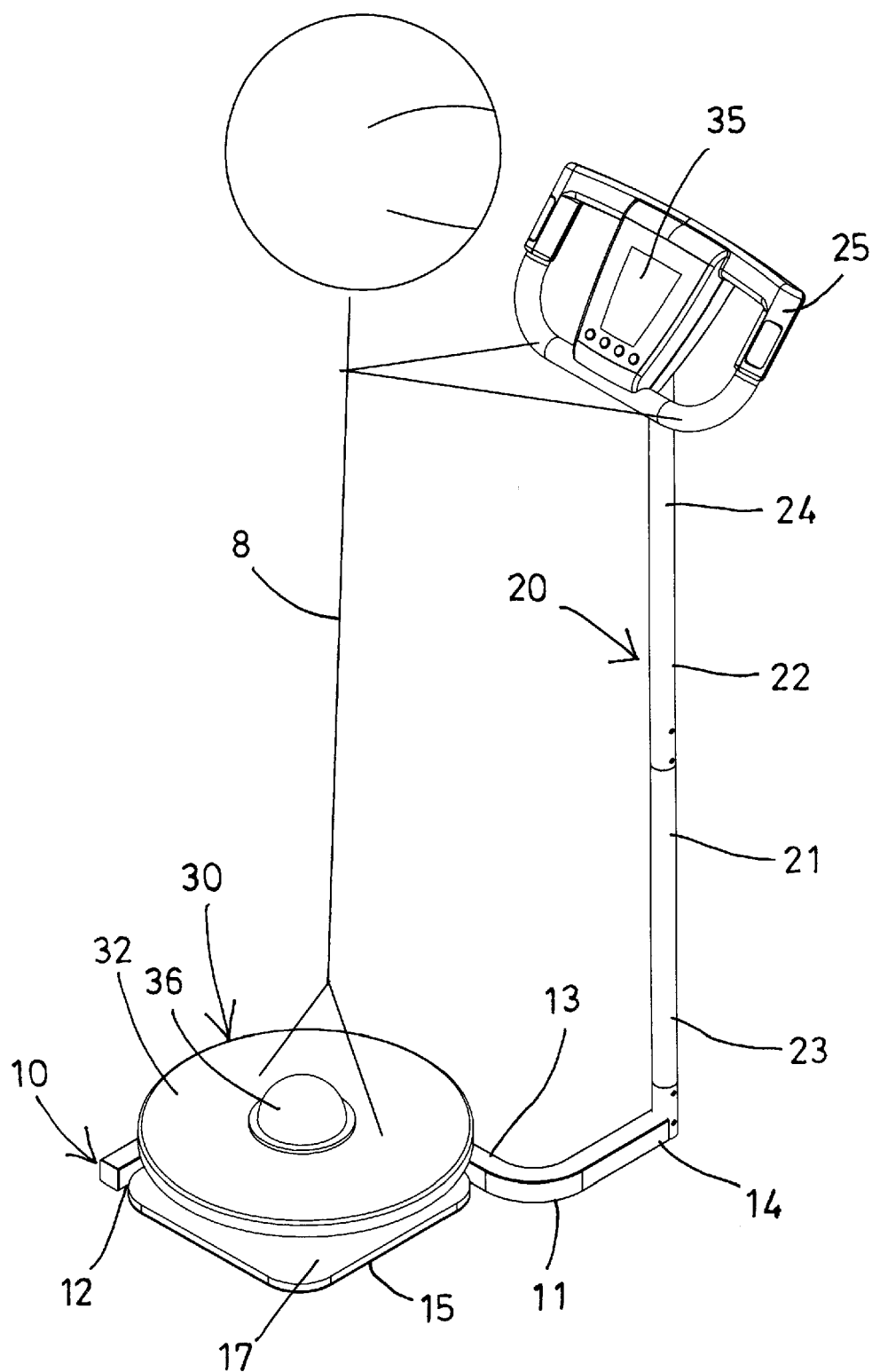


FIG. 6



EUROPEAN SEARCH REPORT

Application Number
EP 12 15 6322

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	US 2007/184953 A1 (LUBERSKI TIMOTHY E [US] ET AL) 9 August 2007 (2007-08-09) * paragraphs [0005] - [0049]; figures 1-12 *	1-9	INV. A63B22/18
X	US 3 713 653 A (ROMANS J) 30 January 1973 (1973-01-30) * column 2, line 65 - column 8, line 17; figures 1-6 *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			A63B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 12 July 2012	Examiner Oelschläger, Holger
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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

EP 12 15 6322

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
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12-07-2012

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US 2007184953 A1	09-08-2007	US 2007184953 A1	09-08-2007
		US 2010075808 A1	25-03-2010

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EPO FORM P0459

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