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- (88) **Date of publication of the international search report:**  
5 June 2014

(54) **Title:** EXERCISE FACILITY AND PERSONAL TRAINING SYSTEM

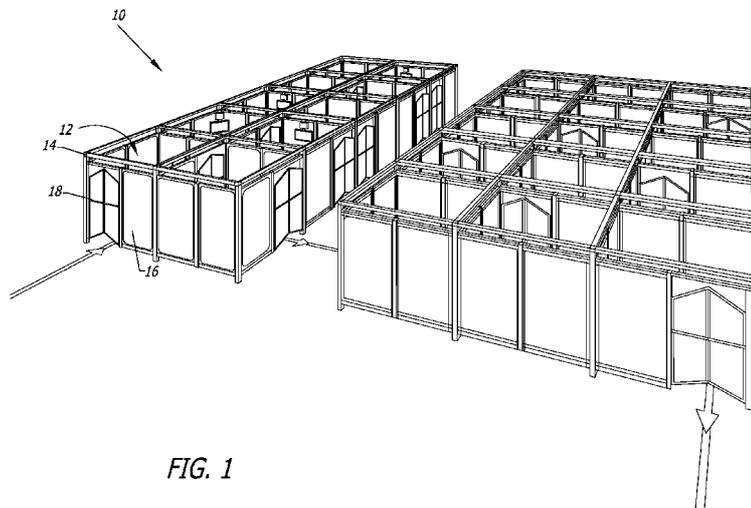


FIG. 1

(57) **Abstract:** A gym is provided having multiple, private booths for members to perform exercises. The member typically moves from booth to booth to perform different exercises. Preferably, an automatically generated workout program, based upon member input and fitness and test results, guides the member from booth to booth and provides a workout regimen that can be automatically changed from day to day, based on feedback, to accommodate the member's changing abilities.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 13/57118

<p>A. CLASSIFICATION OF SUBJECT MATTER  <b>IPC(8)</b> - A63B 21/00, A63B 71/00.  <b>USPC</b> - 482/001.482/008, 705/001                  According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p>B. FIELDS SEARCHED                  Minimum documentation searched (classification system followed by classification symbols)                  IPC(8): A63B.A63B 21/0724 20130101; A638 22/02 20130101; A638 22/060520130101; G06Q 10/06 (2013.01)                  USPC - 482/1; 482/8 ;482/9; 482/901; 705/1                  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched                  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  MicroPatent (US-G. US-A, EP-A, EP-B, WO, JP-blb, DE-C.B. DE-A, DE-T, DE-U, GB-A, FR-A); Google Scholar; ProQuest Dialog                  KEYWORDS: exercise, fitness, workout, booths, rooms, partition*, computer, processor, results, data, adjust*, change*, routine, regimen, program, stations, touch, screen, display, input, device, keypad, monitor, sensor, number</p>																	
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2005/0010428 A1 (CHEN YF et al.) 13 January 2005; figures 2, 4, 5; paragraphs (OOOS). (0008). [0029] - [00351]</td> <td>1, 9-13, 15, 23, 26-27, and 30-33</td> </tr> <tr> <td>Y</td> <td></td> <td>2-8, 14, 21-22, 24-25, 28-29</td> </tr> <tr> <td>Y</td> <td>US 8,157,706 B2 (AINSWORTH ME et al.) 17 April 2012; figure 9A; column 15, line 60 - column 16 line S</td> <td>16-20 2-8, 14, 21-22, 29</td> </tr> <tr> <td>Y</td> <td>WO 2003/079134 A2 (REGEV Y) 25 September 2003; figure 7; page 52. lines 10-20</td> <td>24-25, 28</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2005/0010428 A1 (CHEN YF et al.) 13 January 2005; figures 2, 4, 5; paragraphs (OOOS). (0008). [0029] - [00351]	1, 9-13, 15, 23, 26-27, and 30-33	Y		2-8, 14, 21-22, 24-25, 28-29	Y	US 8,157,706 B2 (AINSWORTH ME et al.) 17 April 2012; figure 9A; column 15, line 60 - column 16 line S	16-20 2-8, 14, 21-22, 29	Y	WO 2003/079134 A2 (REGEV Y) 25 September 2003; figure 7; page 52. lines 10-20	24-25, 28
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<p><input type="checkbox"/> I Further documents are listed in the continuation of Box C. <input type="checkbox"/></p>																	
<p>Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"V" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"ft" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"V" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"ft" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed						
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<p>Date of the actual completion of the international search 11 March 2014 (1.03.2014)</p>		<p>Date of mailing of the international search report 28 MAR 2014</p>															
<p>Name and mailing address of the ISA/US Mail Stop PCT. Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCTOSP:571-272-7774</p>															

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US13/5718

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2Ma) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

---Please See Supplemental Page---

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

-" -Continued from Box No. III: Observations where unity of invention is lacking-"

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I: Claims 1-15 are directed toward a personal training system with an electronic device interfacing with a computerized system.

Group II: Claims 16-22 are directed toward a plurality of booths within an exercise facility.

Group III: Claims 23-33 are directed toward entering user-related data into a computerized system such as a time period, the exercise, and the number of repetitions of the exercise to be performed by the user.

The inventions listed as Groups I, II, and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons.

The special technical features of Group I are a workout area configured to provide privacy to a user thereof (which is not present in Group II); a computerized system for generating a personalized exercise regimen for the user (which is not present in Group II); and at least one electronic device which interfaces with the computerized system (which is not present in Groups II, III) for directing the user (which is not present in Group II); a predetermined exercise regimen sequence generated by the computerized system for the user (which is not present in Groups II, III) and inputting user performance results into the computerized system for each exercise performed by the user; wherein the computerized system automatically adjusts the user's exercise regimen according to the user's performance results input into the computerized system (which is not present in Group II).

The special technical features of Group II include a plurality of booths within the exercise facility, each booth defining (which is not present in Groups I, III) an enclosed space (which is not present in Group III) adapted to be used by a single user at a time (which is not present in Groups II, III) and configured to provide privacy to the user (which is not present in Group III) while in the booth, each booth, within the booth (which is not present in Groups II, III).

The special technical features of Group III include automatically generating a personalized exercise regimen for a user (which is not present in Group I), including entering user-related data into a computerized system (which is not present in Groups I, II); directing the user (which is not present in Group II); each exercise being assigned a time period to complete the exercise and a number of repetitions of the exercise to be performed by the user (which is not present in Groups I, II); inputting user exercise performance results for each exercise of the exercise regimen into the computerized system; and automatically adjusting the user's personalized exercise regimen, using the computerized system, based on the input user exercise performance results (which is not present in Group II).

The common technical features of Groups I, II, and III include: a workout area configured to provide privacy to a user thereof; a computerized system for generating a personalized exercise regimen for the user; directing the user to perform exercises within the workout area according to a predetermined exercise regimen sequence; and inputting user performance results into the computerized system for each exercise performed by the user; wherein the computerized system automatically adjusts the user's exercise regimen according to the user's performance results input into the computerized system.

These common technical features are disclosed by US 2005/0010426 A1 (CHEN): a workout area configured to provide privacy to a user thereof (member enters a workout station area that has been reserved by a member (user) and cannot be used by other members (e.g., to provide privacy); paragraph (0008)); a computerized system (device 101 (computerized system) including a processor 201, system bus 203, and memory unit 207; figure 2; paragraph [0029]) for generating a personalized exercise regimen for the user (member's individual settings (personalized exercise regimen) for the exercise equipment are set on the workout station display, and can be preset and programmed; which establishes an effective workout program; figure 5; paragraphs (0008), [0034]); directing the user to perform exercises within the workout area according to a predetermined exercise regimen sequence (control unit 413, 417, etc. at each station communicates with the server (computerized system) to present workout data (personalized exercise regimen) associated with the user and exercise equipment at that station including a workout routine (predetermined exercise regimen sequence); figure 4; paragraphs (0029) - [0023]; claim 11); and inputting user performance results into the computerized system for each exercise performed by the user (control unit 413 has input devices including a keypad or keyboard, as in weight control unit 427, for tracking data fields (user performance results) such as weight, number of reps, etc.; figure 10; paragraphs [0032] - [0033]); wherein the computerized system automatically adjusts the user's exercise regimen according to the user's performance results input into the computerized system (all of the information (user's performance results) is saved and recorded for each member workout session for use in developing (automatically adjusts) a total comprehensive workout program (personalized exercise regimen); figure 10; paragraph [0039]).

Because the common technical features are disclosed by Chen, the inventions are not so linked as to form a single general inventive concept. Therefore, Groups I, II, and III lack unity.