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(71) Applicant: **INTERACTIVE STRENGTH, INC.**
[US/US]; 204 West Spear St, Ste 3697, Carson City, NV 89703 (US).

(72) Inventors: **WARD, Trent**; 204 West Spear St, Ste 3697, Carson City, NV 89703 (US). **BERKOWITZ, Gregor, Angus**; 204 West Spear St, Ste 3697, Carson City, NV 89703 (US). **DEERY, Martha**; 204 West Spear St, Ste 3697, Carson City, NV 89703 (US). **BEHAR, Yves, Albert**; 204 West Spear St, Ste 3697, Carson City, NV 89703 (US).

(74) Agent: **STEVENS, David, R.**; Stevens Law Group, 1754 Technology Drive, Suite 226, San Jose, CA 95110 (US).

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(54) Title: INTERACTIVE EXERCISE MACHINE DATA ARCHITECTURE

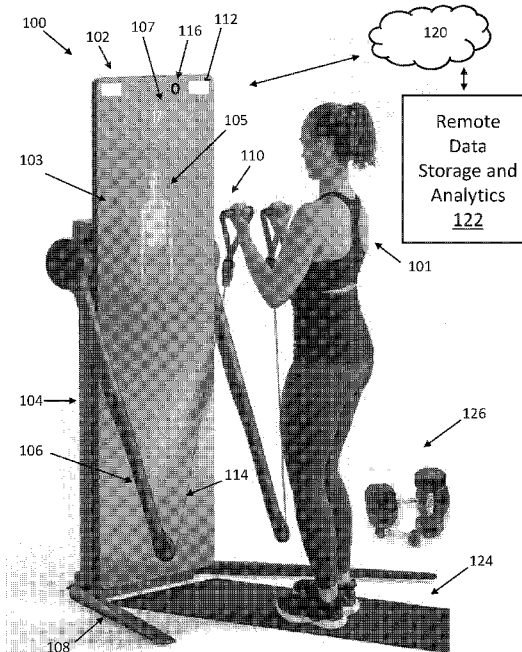


Fig. 1

(57) Abstract: An interactive exercise system includes an exercise machine having a display able to present videos, a three-dimensional camera system, and local processing system able to provide pose estimation based on data from the three-dimensional camera system. The system also includes a communication module for connection to a cloud processing system, with the cloud processing system supporting exercise related analytics including those based on pose estimation provided by the local processing system.

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A. CLASSIFICATION OF SUBJECT MATTER

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CPC - A63B 22/0694, A63B 71/0622, A63B 21/4047, A63B 21/00061, A63B 24/0084

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2015/0196804 A1 (Zsolutions LLC) 16 July 2015 (16.07.2015), entire document, especially FIG. 1; FIG. 2A; Para[0022], [0023], [0025], [0027]-[0028], [0035]-[0036], [0039], [0048], [0052], [0055], [0071], [0074], [0089]	1-6, 9-14 ----- 7, 8, 15, 16
Y	US 2016/0067548 A1 (National Taipei University of Technology) 10 March 2016 (10.03.2016), entire document, especially Para [0009], [0030], [0038]	7, 8, 15, 16
Y	US 2017/0282015 A1 (Worldpro Group LLC) 05 October 2017 (05.10.2017), entire document, especially Para [0006], [0054], [0070]	7, 8, 15, 16

 Further documents are listed in the continuation of Box C. See patent family annex.

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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. 571-273-8300

Authorized officer

Lee Young

Telephone No. PCT Helpdesk: 571-272-4300