

AO 120 (Rev. 08/10)

|                                                                                                                                                         |                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>TO:</b><br><b>Mail Stop 8</b><br><b>Director of the U.S. Patent and Trademark Office</b><br><b>P.O. Box 1450</b><br><b>Alexandria, VA 22313-1450</b> | <b>REPORT ON THE</b><br><b>FILING OR DETERMINATION OF AN</b><br><b>ACTION REGARDING A PATENT OR</b><br><b>TRADEMARK</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Wisconsin on the following

☐ Trademarks or ☒ Patents. ( ☐ the patent action involves 35 U.S.C. § 292.);

|                                                                                          |                                |                                                      |
|------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------|
| DOCKET NO.<br>3:22-cv-606                                                                | DATE FILED<br>10/20/2022       | U.S. DISTRICT COURT<br>Western District of Wisconsin |
| PLAINTIFF<br>Johnson Health Tech Co., Ltd and<br>Johnson Health Tech North America, Inc. |                                | DEPENDANT<br>Peloton Interactive, Inc.               |
| PATENT OR<br>TRADEMARK NO.                                                               | DATE OF PATENT<br>OR TRADEMARK | HOLDER OF PATENT OR TRADEMARK                        |
| 1 10,032,227                                                                             | 7/24/2018                      | Johnson Health Tech Co., Ltd                         |
| 2 10,796,375                                                                             | 10/6/2020                      | Johnson Health Tech Co., Ltd                         |
| 3 11,227,340                                                                             | 1/8/2022                       | Johnson Health Tech Co., Ltd                         |
| 4                                                                                        |                                |                                                      |
| 5                                                                                        |                                |                                                      |

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

|                            |                                                                                                                                                               |                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| DATE INCLUDED              | INCLUDED BY<br><input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading |                               |
| PATENT OR<br>TRADEMARK NO. | DATE OF PATENT<br>OR TRADEMARK                                                                                                                                | HOLDER OF PATENT OR TRADEMARK |
| 1                          |                                                                                                                                                               |                               |
| 2                          |                                                                                                                                                               |                               |
| 3                          |                                                                                                                                                               |                               |
| 4                          |                                                                                                                                                               |                               |
| 5                          |                                                                                                                                                               |                               |

In the above—entitled case, the following decision has been rendered or judgement issued:

|                    |
|--------------------|
| DECISION/JUDGEMENT |
|--------------------|

|                                      |                                               |                  |
|--------------------------------------|-----------------------------------------------|------------------|
| CLERK<br>Joel Turner, Clerk of Court | (BY) DEPUTY CLERK<br>s/L. Kamke, Deputy Clerk | DATE<br>10/21/22 |
|--------------------------------------|-----------------------------------------------|------------------|

Copy 1—Upon initiation of action, mail this copy to Director    Copy 3—Upon termination of action, mail this copy to Director  
 Copy 2—Upon filing document adding patent(s), mail this copy to Director    Copy 4—Case file copy



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NO. | ISSUE DATE | PATENT NO. | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|------------|------------|---------------------|------------------|
| 17/327,418      | 01/18/2022 | 11227340   | 011640-9081-US05    | 3038             |

23409 7590 12/28/2021  
MICHAEL BEST & FRIEDRICH LLP (Mke)  
790 N WATER ST  
SUITE 2500  
MILWAUKEE, WI 53202

## ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)** (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Nathan Pyles, Lake Mills, WI;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

JOHNSON HEALTH TECH CO., LTD, Daya District, TAIWAN;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit [SelectUSA.gov](http://SelectUSA.gov).

IR103 (Rev. 10/09)

Document Description: Issue Fee Payment (PTO-85B)

**Issue Fee Transmittal Form**

| Application Number | Filing Date | First Named Inventor | Atty. Docket No. | Confirmation No. |
|--------------------|-------------|----------------------|------------------|------------------|
| 17327418           | 21-May-2021 | Nathan Pyles         | 011640-9081-US05 | 3038             |

**TITLE OF INVENTION :**

EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD

| Entity Status        | Application Type            | Art Unit         | Class - Subclass | EXAMINER       |
|----------------------|-----------------------------|------------------|------------------|----------------|
| Regular Undiscounted | Utility under 35 USC 111(a) | 3784             | 008000           |                |
| Issue Fee Due        | Publication Due             | Total Fee(s) Due | Date Due         | Prev. Paid Fee |
| \$1200               | \$0                         | \$1200           | 28-Feb-2022      | \$0            |

**1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)**

| Current Correspondence Address:                                                                                                                                     | Current Indicated Fee Address :                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 23409<br>MICHAEL BEST & FRIEDRICH LLP (Mke)<br><br>790 N WATER ST<br>SUITE 2500<br>MILWAUKEE WI 53202<br>UNITED STATES<br>4142716560<br>mkeipdocket@michaelbest.com |                                                                                                     |
| <input type="checkbox"/> Change of correspondence address requested, system generated AIA/122-EFS form attached                                                     | <input type="checkbox"/> Fee Address indication requested, system generated SB/47-EFS form attached |

**2.Entity Status****Change in Entity Status**

Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.

- ☐ Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.

- ☐ Applicant asserting small entity status. See 37 CFR 1.27.

Note: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

- ☒ Applicant changing to regular undiscounted fee status.

Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

Document Description: Issue Fee Payment (PTO-85B)

**3.The Following Fee(s) Are Submitted:**☒ Issue Fee☐ I authorize USPTO to apply my previously paid issue fee to the current fees due☐ Publication Fee☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number \_\_\_\_\_☐ Advance Order - # of copies \_\_\_\_\_

If **in addition** to the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 133080.

☒ The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

**4.Firm and/or Attorney Names To Be Printed****NOTE: If no name is listed, no name will be printed**

For printing on the patent front page, list to be displayed as entered

1. Michael Best &amp; Friedrich LLP

2.

3.

**5.Assignee Name(s) and Residence Data To Be Printed**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

| Name                         | City          | State | Country | Category    |
|------------------------------|---------------|-------|---------|-------------|
| JOHNSON HEALTH TECH CO., LTD | TAICHUNG CITY |       | TAIWAN  | corporation |

**6.Signature**

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

|                  |                   |                            |            |
|------------------|-------------------|----------------------------|------------|
| <b>Signature</b> | /Aaron K. Nodolf/ | <b>Date</b>                | 12-08-2021 |
| <b>Name</b>      | Aaron K. Nodolf   | <b>Registration Number</b> | 62081      |

| Electronic Patent Application Fee Transmittal      |          |                                                                                 |        |                      |
|----------------------------------------------------|----------|---------------------------------------------------------------------------------|--------|----------------------|
| <b>Application Number:</b>                         |          | 17327418                                                                        |        |                      |
| <b>Filing Date:</b>                                |          | 21-May-2021                                                                     |        |                      |
| <b>Title of Invention:</b>                         |          | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |        |                      |
| <b>First Named Inventor/Applicant Name:</b>        |          | Nathan Pyles                                                                    |        |                      |
| <b>Filer:</b>                                      |          | Aaron K. Nodolf/Tanya Parent                                                    |        |                      |
| <b>Attorney Docket Number:</b>                     |          | 011640-9081-US05                                                                |        |                      |
| Filed as Large Entity                              |          |                                                                                 |        |                      |
| <b>Filing Fees for Utility under 35 USC 111(a)</b> |          |                                                                                 |        |                      |
| Description                                        | Fee Code | Quantity                                                                        | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                               |          |                                                                                 |        |                      |
| UTILITY APPL ISSUE FEE                             | 1501     | 1                                                                               | 1200   | 1200                 |
| PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL             | 1504     | 1                                                                               | 0      | 0                    |
| <b>Pages:</b>                                      |          |                                                                                 |        |                      |
| <b>Claims:</b>                                     |          |                                                                                 |        |                      |
| <b>Miscellaneous-Filing:</b>                       |          |                                                                                 |        |                      |
| <b>Petition:</b>                                   |          |                                                                                 |        |                      |
| <b>Patent-Appeals-and-Interference:</b>            |          |                                                                                 |        |                      |

| Description                              | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|------------------------------------------|----------|----------|--------|----------------------|
| <b>Post-Allowance-and-Post-Issuance:</b> |          |          |        |                      |
| <b>Extension-of-Time:</b>                |          |          |        |                      |
| <b>Miscellaneous:</b>                    |          |          |        |                      |
| <b>Total in USD (\$)</b>                 |          |          |        | <b>1200</b>          |

| Electronic Acknowledgement Receipt          |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| <b>EFS ID:</b>                              | 44465631                                                                        |
| <b>Application Number:</b>                  | 17327418                                                                        |
| <b>International Application Number:</b>    |                                                                                 |
| <b>Confirmation Number:</b>                 | 3038                                                                            |
| <b>Title of Invention:</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |
| <b>First Named Inventor/Applicant Name:</b> | Nathan Pyles                                                                    |
| <b>Customer Number:</b>                     | 23409                                                                           |
| <b>Filer:</b>                               | Aaron K. Nodolf/Tanya Parent                                                    |
| <b>Filer Authorized By:</b>                 | Aaron K. Nodolf                                                                 |
| <b>Attorney Docket Number:</b>              | 011640-9081-US05                                                                |
| <b>Receipt Date:</b>                        | 08-DEC-2021                                                                     |
| <b>Filing Date:</b>                         | 21-MAY-2021                                                                     |
| <b>Time Stamp:</b>                          | 17:15:41                                                                        |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)                                                     |

### Payment information:

|                                                                                                                |                  |
|----------------------------------------------------------------------------------------------------------------|------------------|
| Submitted with Payment                                                                                         | yes              |
| Payment Type                                                                                                   | CARD             |
| Payment was successfully received in RAM                                                                       | \$1200           |
| RAM confirmation Number                                                                                        | E2021B8H15370437 |
| Deposit Account                                                                                                |                  |
| Authorized User                                                                                                |                  |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: |                  |

| <b>File Listing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |              |                                           |                  |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------|-------------------------------------------|------------------|------------------|
| Document Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Document Description        | File Name    | File Size(Bytes)/<br>Message Digest       | Multi Part /.zip | Pages (if appl.) |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Issue Fee Payment (PTO-85B) | Web85b.pdf   | 62933                                     | no               | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |              | 43fda39cda7e0f509d234d894c710d519c41057a  |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |              |                                           |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |              |                                           |                  |                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Fee Worksheet (SB06)        | fee-info.pdf | 40316                                     | no               | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |              | 73bfc729a57af93d1542185e74c3315688c2da4f4 |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |              |                                           |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |              |                                           |                  |                  |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |              | 103249                                    |                  |                  |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/>         If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/>         If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/>         If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                             |              |                                           |                  |                  |



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

23409 7590 11/26/2021  
MICHAEL BEST & FRIEDRICH LLP (Mke)  
790 N WATER ST  
SUITE 2500  
MILWAUKEE, WI 53202

EXAMINER

GANESAN, SUNDHARA M

ART UNIT

PAPER NUMBER

3784

DATE MAILED: 11/26/2021

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 17/327,418      | 05/21/2021  | Nathan Pyles         | 011640-9081-US05    | 3038             |

TITLE OF INVENTION: EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$1200        | \$0.00              | \$0.00               | \$1200           | 02/28/2022 |

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at [www.uspto.gov/PatentMaintenanceFees](http://www.uspto.gov/PatentMaintenanceFees).**

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23409 7590 11/26/2021  
MICHAEL BEST & FRIEDRICH LLP (Mke)  
790 N WATER ST  
SUITE 2500  
MILWAUKEE, WI 53202

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

|                         |
|-------------------------|
| (Typed or printed name) |
| (Signature)             |
| (Date)                  |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 17/327,418      | 05/21/2021  | Nathan Pyles         | 011640-9081-US05    | 3038             |

TITLE OF INVENTION: EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$1200        | \$0.00              | \$0.00               | \$1200           | 02/28/2022 |

| EXAMINER            | ART UNIT | CLASS-SUBCLASS |
|---------------------|----------|----------------|
| GANESAN, SUNDHARA M | 3784     | 482-008000     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. \_\_\_\_\_

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

**NOTE:** Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

**NOTE:** If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

**NOTE:** Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_



# UNITED STATES PATENT AND TRADEMARK OFFICE

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| APPLICATION NO.                    | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|------------------------------------|-------------|----------------------|---------------------|------------------|
| 17/327,418                         | 05/21/2021  | Nathan Pyles         | 011640-9081-US05    | 3038             |
| 23409                              | 7590        | 11/26/2021           | EXAMINER            |                  |
| MICHAEL BEST & FRIEDRICH LLP (Mke) |             |                      | GANESAN, SUNDHARA M |                  |
| 790 N WATER ST                     |             |                      | ART UNIT            | PAPER NUMBER     |
| SUITE 2500                         |             |                      | 3784                |                  |
| MILWAUKEE, WI 53202                |             |                      |                     |                  |

DATE MAILED: 11/26/2021

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.** Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b) (2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

|                               |                                       |                                      |                                 |
|-------------------------------|---------------------------------------|--------------------------------------|---------------------------------|
| <b>Notice of Allowability</b> | <b>Application No.</b><br>17/327,418  | <b>Applicant(s)</b><br>Pyles, Nathan |                                 |
|                               | <b>Examiner</b><br>SUNDHARA M GANESAN | <b>Art Unit</b><br>3784              | <b>AIA (FITF) Status</b><br>Yes |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Terminal Disclaimers filed 11/12/21 and 11/5/2021.  
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

**Certified copies:**

a) ☐ All      b) ☐ Some\*      c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

|                                                                                                                  |                                                                           |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)                                                 | 5. <input type="checkbox"/> Examiner's Amendment/Comment                  |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____.          | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material ____. | 7. <input type="checkbox"/> Other ____.                                   |
| 4. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____.                 |                                                                           |

|                                                         |  |
|---------------------------------------------------------|--|
| /SUNDHARA M GANESAN/<br>Primary Examiner, Art Unit 3784 |  |
|---------------------------------------------------------|--|

|                                                    |                                          |                                      |                                                       |                                  |
|----------------------------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------------------|----------------------------------|
| <b><i>Examiner-Initiated Interview Summary</i></b> | <b>Application No.</b><br>17/327,418     | <b>Applicant(s)</b><br>Pyles, Nathan |                                                       |                                  |
|                                                    | <b>Examiner</b><br>SUNDHARA M<br>GANESAN | <b>Art<br/>Unit</b><br>3784          | <b>AIA (First Inventor<br/>to File) Status</b><br>Yes | <b>Page</b><br><br><b>1 of 1</b> |

| <b>All Participants</b> (applicant, applicants representative, PTO personnel) | <b>Title</b>       | <b>Type</b> |
|-------------------------------------------------------------------------------|--------------------|-------------|
| SUNDHARA M GANESAN                                                            | Primary Examiner   | Telephonic  |
| Caleb Nitz                                                                    | Attorney of Record |             |

**Date of Interview:** 08 November 2021

**Issues Discussed:**

**Other**

Examiner noted a typographical error in the Non-Final Rejection mailed 10/27/2021. The second Double Patenting rejection, starting on Page 6 of the Office Action should have referenced US Pat. 10,796,375. The second claim comparison table, also starting on Page 6, reflects a comparison of the instant application's claims to the '375 Patent Claims, which are in the rightmost column of that table. Examiner requested Applicant to file a supplemental terminal disclaimer addressing the '375 Patent.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| /SUNDHARA M GANESAN/<br>Primary Examiner, Art Unit 3784                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <p><b>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</b></p> <p>Please further see:<br/>MPEP 713.04<br/>Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)<br/>37 CFR § 1.2 Business to be transacted in writing</p> |  |

**Applicant recordation instructions:** It is not necessary for applicant to provide a separate record of the substance of interview.

**Examiner recordation instructions:** Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

|                                                                                                                  |                                              |                                                                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                                  | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

| CPC    |   |      |   |      |      |            |
|--------|---|------|---|------|------|------------|
| Symbol |   |      |   |      | Type | Version    |
| G06Q   | / | 40   | / | 08   | F    | 2013-01-01 |
| A63B   | / | 22   | / | 0235 | I    | 2013-01-01 |
| A63B   | / | 24   | / | 0087 | I    | 2013-01-01 |
| A63B   | / | 24   | / | 0062 | I    | 2013-01-01 |
| G16H   | / | 20   | / | 30   | I    | 2018-01-01 |
| A63B   | / | 2220 | / | 20   | A    | 2013-01-01 |
| A63B   | / | 2220 | / | 62   | A    | 2013-01-01 |
| A63B   | / | 2230 | / | 505  | A    | 2013-01-01 |
| A63B   | / | 22   | / | 04   | A    | 2013-01-01 |
| A63B   | / | 2024 | / | 0093 | A    | 2013-01-01 |
| A63B   | / | 2024 | / | 0096 | A    | 2013-01-01 |
| A63B   | / | 2220 | / | 30   | A    | 2013-01-01 |
| A63B   | / | 2220 | / | 56   | A    | 2013-01-01 |
| A63B   | / | 2220 | / | 805  | A    | 2013-01-01 |
| A63B   | / | 2225 | / | 50   | A    | 2013-01-01 |
| A63B   | / | 22   | / | 025  | A    | 2015-10-01 |
| A63B   | / | 2225 | / | 20   | A    | 2013-01-01 |
| A63B   | / | 2230 | / | 50   | A    | 2013-01-01 |
| A63B   | / | 2220 | / | 13   | A    | 2013-01-01 |

| CPC Combination Sets |      |     |         |         |
|----------------------|------|-----|---------|---------|
| Symbol               | Type | Set | Ranking | Version |
| /                    |      |     |         |         |

|                                                         |                  |                              |                   |
|---------------------------------------------------------|------------------|------------------------------|-------------------|
| NONE                                                    |                  | <b>Total Claims Allowed:</b> |                   |
| (Assistant Examiner)                                    | (Date)           | 20                           |                   |
| /SUNDHARA M GANESAN/<br>Primary Examiner, Art Unit 3784 | 19 November 2021 | O.G. Print Claim(s)          | O.G. Print Figure |
| (Primary Examiner)                                      | (Date)           | 1                            | 4                 |

U.S. Patent and Trademark Office

Part of Paper No.: 20211119

|                                                                                                                  |                                              |                                                                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                                  | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

| INTERNATIONAL CLASSIFICATION |   |    |      |
|------------------------------|---|----|------|
| CLAIMED                      |   |    |      |
| G06Q40/08                    | / | 40 | / 08 |
| A63B24/00                    | / | 24 | / 00 |
| G16H20/30                    | / | 20 | / 30 |

| NON-CLAIMED |   |    |      |
|-------------|---|----|------|
| A63B22/02   | / | 22 | / 02 |
| A63B22/04   | / | 22 | / 04 |

| US ORIGINAL CLASSIFICATION |          |
|----------------------------|----------|
| CLASS                      | SUBCLASS |
|                            |          |

| CROSS REFERENCES(S) |                                   |  |  |  |  |  |
|---------------------|-----------------------------------|--|--|--|--|--|
| CLASS               | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |  |  |
|                     |                                   |  |  |  |  |  |

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|-------------------------------------------------------------------------------|----------------------------|------------------------------|------------------------|
| NONE                                                                          |                            | <b>Total Claims Allowed:</b> |                        |
| (Assistant Examiner)                                                          | (Date)                     | 20                           |                        |
| /SUNDHARA M GANESAN/<br>Primary Examiner, Art Unit 3784<br>(Primary Examiner) | 19 November 2021<br>(Date) | O.G. Print Claim(s)<br>1     | O.G. Print Figure<br>4 |

U.S. Patent and Trademark Office

Part of Paper No.: 20211119

|                                                                                                                  |                                              |                                                                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                                  | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47 |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
| <b>CLAIMS</b>                                                                                                                                                                                |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
| Final                                                                                                                                                                                        | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
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|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |
|                                                                                                                                                                                              |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |       |

|                                                                                                             |  |                                    |                        |
|-------------------------------------------------------------------------------------------------------------|--|------------------------------------|------------------------|
| NONE<br><br>(Assistant Examiner) _____ (Date) _____                                                         |  | <b>Total Claims Allowed:</b><br>20 |                        |
| /SUNDHARA M GANESAN/<br>Primary Examiner, Art Unit 3784<br>(Primary Examiner) _____ (Date) 19 November 2021 |  | O.G. Print Claim(s)<br>1           | O.G. Print Figure<br>4 |

U.S. Patent and Trademark Office

Part of Paper No.: 20211119

|                                                                                                          |                                              |                                                                 |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b>Search Notes</b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                          | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

| CPC - Searched*                                                                                                                                                                                                                                                                                 |            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| Symbol                                                                                                                                                                                                                                                                                          | Date       | Examiner |
| (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc. | 10/22/2021 | SG       |

| CPC Combination Sets - Searched* |      |          |
|----------------------------------|------|----------|
| Symbol                           | Date | Examiner |
|                                  |      |          |

| US Classification - Searched* |          |      |          |
|-------------------------------|----------|------|----------|
| Class                         | Subclass | Date | Examiner |
|                               |          |      |          |

\* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

| Search Notes                                                                               |            |          |
|--------------------------------------------------------------------------------------------|------------|----------|
| Search Notes                                                                               | Date       | Examiner |
| Conducted inventor name search in EAST and PALM                                            | 10/22/2021 | SG       |
| Reviewed IDS docs                                                                          |            |          |
| Developed and executed classification and text search, see EAST search history for details | 10/22/2021 | SG       |
| Refreshed classification and text searches, see EAST search history for details            | 11/19/2021 | SG       |

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|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                                 | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

| Interference Search |                                                                                                                                                                                                                                                                                                 |            |          |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| US Class/CPC Symbol | US Subclass/CPC Group                                                                                                                                                                                                                                                                           | Date       | Examiner |
|                     | (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc. | 11/19/2021 | SG       |
|                     | see EAST search history for interference text search terms and details                                                                                                                                                                                                                          | 11/19/2021 | SG       |

|  |  |
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## EAST Search History

### EAST Search History (Prior Art)

| Ref # | Hits    | Search Query                                                                                                                                                                                                                                                                                                 | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|---------|------------------|
| L1    | 0       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.).PN.                                                                                                                                                                                                                         | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L2    | 37,547  | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L3    | 40      | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                          | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L4    | 6       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L5    | 4       | (treadmill and sensor and pressure and (current adj sensor)).clm.                                                                                                                                                                                                                                            | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L6    | 6       | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L7    | 90,723  | (current adj sensor)                                                                                                                                                                                                                                                                                         | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L8    | 407,847 | current with sensor                                                                                                                                                                                                                                                                                          | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |
| L9    | 10      | L4 or L5 or L6                                                                                                                                                                                                                                                                                               | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/11/19 12:54 |

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|-----|-------|--------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| L10 | 6     | L9 and L8                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L11 | 287   | treadmill same occup\$5                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L12 | 171   | treadmill with occup\$5                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L13 | 12    | treadmill with occup\$5 with sensor                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L14 | 50    | (treadmill with motor with current with<br>(sens\$4 or detect\$4)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L15 | 562   | watterson.in.                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L16 | 48    | L15 and website and internet and database                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L17 | 42    | L16 and treadmill                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L18 | 38    | L17 and @ay<"2014"                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L19 | 5,194 | (A63B24/0062).cpc.                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L20 | 1,622 | L19 and @ay<"2014"                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L21 | 2     | "20120214622"                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |

|     |         |                                                                                                                    |                                  |    |     |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
| L22 | 9,027   | (G16H20/30).cpc.                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L23 | 3,295   | L22 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L24 | 1,212   | L23 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L25 | 9,027   | (G16H20/30).cpc.                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L26 | 3,295   | L25 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L27 | 1,212   | L26 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L28 | 264     | L27 and motor                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L29 | 481,758 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L30 | 94,997  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L31 | 136,869 | A63B\$/\$.cpc.                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L32 | 1,120   | L30 and L31                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L33 | 366     | L32 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |    |     |                     |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| L34 | 90      | L33 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L35 | 532,829 | compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L36 | 3,473   | L35 and L31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L37 | 1,844   | L36 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L38 | 381     | L37 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L39 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/11/19<br>12:54 |
| L40 | 31      | L39 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |

|     |         |                                                                                                                                                                                                                                                                                                              |                        |    |     |                  |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|-----|------------------|
| L41 | 0       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.).PN.                                                                                                                                                                                                                         | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L42 | 37,547  | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L43 | 40      | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                          | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L44 | 6       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L45 | 4       | (treadmill and sensor and pressure and (current adj sensor)).clm.                                                                                                                                                                                                                                            | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L46 | 6       | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L47 | 90,723  | (current adj sensor)                                                                                                                                                                                                                                                                                         | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L48 | 407,847 | current with sensor                                                                                                                                                                                                                                                                                          | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L49 | 10      | L44 or L45 or L46                                                                                                                                                                                                                                                                                            | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L50 | 6       | L49 and L48                                                                                                                                                                                                                                                                                                  | US-PGPUB; USPAT; USOCR | OR | OFF | 2021/11/19 12:54 |
| L51 | 287     | treadmill same occup\$5                                                                                                                                                                                                                                                                                      | US-PGPUB;              | OR | OFF | 2021/11/19 12:54 |

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|-----|-------|--------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
|     |       |                                                                    | USPAT;<br>USOCR                  |    |     |                     |
| L52 | 171   | treadmill with occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L53 | 12    | treadmill with occup\$5 with sensor                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L54 | 50    | (treadmill with motor with current with<br>(sens\$4 or detect\$4)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L55 | 562   | watterson.in.                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L56 | 48    | L55 and website and internet and database                          | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L57 | 42    | L56 and treadmill                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L58 | 38    | L57 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L59 | 5,194 | (A63B24/0062).cpc.                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L60 | 1,622 | L59 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L61 | 2     | "20120214622"                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L62 | 9,027 | (G16H20/30).cpc.                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |

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| L63 | 3,295   | L62 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L64 | 1,212   | L63 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L65 | 9,027   | (G16H20/30).cpc.                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L66 | 3,295   | L65 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L67 | 1,212   | L66 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L68 | 264     | L67 and motor                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L69 | 481,758 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L70 | 94,997  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L71 | 136,869 | A63B\$/\$.cpc.                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L72 | 1,120   | L70 and L71                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L73 | 366     | L72 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L74 | 90      | L73 and motor                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |

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| L75 | 532,829 | compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L76 | 3,473   | L75 and L71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L77 | 1,844   | L76 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L78 | 381     | L77 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L79 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/11/19<br>12:54 |
| L80 | 31      | L79 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L84 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | OFF | 2021/11/19<br>12:54 |

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|     |    | or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did.                                                                                                                                                                                            |                              |    |     |                     |
| L85 | 1  | ("10796375").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L86 | 44 | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/11/19<br>12:54 |
| L87 | 17 | ("20060205566"   "20090176629"   "20100016678"   "20120040799"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;                    | OR | OFF | 2021/11/19<br>12:54 |

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|-----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
|     |        | "20130035215"   "20130143718"   "20130211562"   "20130274066"   "20150119202"   "20150238817"   "6575878"   "6638198"   "8007408"   "8287434"   "8690735"   "8956268"   "9039580").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | USPAT;<br>USOCR              |    |     |                     |
| L88 | 44     | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/11/19<br>12:54 |
| L89 | 33     | L88 not L87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L90 | 38,608 | (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L91 | 40     | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L92 | 2,655  | A63B24/0021.cpc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;                    | OR | OFF | 2021/11/19<br>12:54 |

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|     |        |                                                                                                                                                                                                                                                                                                                                         | USPAT;<br>USOCR                  |    |     |                     |
| L93 | 3,328  | G06K9/00342.cpc.                                                                                                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L94 | 1,841  | G01C22/006.cpc.                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L95 | 6,867  | A61B5/7264.cpc.                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L96 | 793    | A61B5/74.cpc.                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L97 | 139    | G06F16/387.cpc.                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| L98 | 7,692  | A61B5/1118.cpc.                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/19<br>12:54 |
| S1  | 0      | ("20090176629"   "6638198"   "8007408"<br>  "8287434"   "8956268"  <br>"9039580").PN.).PN.                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:15 |
| S2  | 42,589 | (G06Q40/08 or G06F19/00 or G16H20/30 or<br>G06F19/3481 or A63B24/0087 or<br>A63B22/0235 or A63B2220/13 or<br>A63B2230/50 or A63B2225/20 or<br>A63B22/025 or A63B2225/50 or<br>A63B2220/805 or A63B2220/56 or<br>A63B2220/30 or A63B2024/0096 or<br>A63B2024/0093 or A63B22/04 or<br>A63B2230/505 or A63B2220/62 or<br>A63B2220/20).cpc. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:22 |
| S3  | 36     | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:27 |
| S4  | 6      | ("20090176629"   "6638198"   "8007408"  <br>"8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:17 |

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| S5  | 2       | (treadmill and sensor and pressure and (current adj sensor)).clm.               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:30 |
| S6  | 6       | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:31 |
| S7  | 76,228  | (current adj sensor)                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:31 |
| S8  | 342,696 | current with sensor                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:32 |
| S9  | 8       | S4 or S5 or S6                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:32 |
| S10 | 4       | S9 and S8                                                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:32 |
| S11 | 246     | treadmill same occup\$5                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:35 |
| S12 | 150     | treadmill with occup\$5                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:36 |
| S13 | 11      | treadmill with occup\$5 with sensor                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:36 |
| S14 | 42      | (treadmill with motor with current with (sens\$4 or detect\$4))                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:44 |
| S15 | 512     | watterson.in.                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:54 |
| S16 | 48      | S15 and website and internet and database                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:54 |

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| S17 | 42    | S16 and treadmill                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:55 |
| S18 | 38    | S17 and @ay<"2014"                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:55 |
| S19 | 4,094 | (A63B24/0062).cpc.                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/04/13<br>11:17 |
| S20 | 1,607 | S19 and @ay<"2014"                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/04/13<br>11:17 |
| S21 | 2     | "20120214622"                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/05<br>15:44 |
| S22 | 3,446 | (G16H20/30).cpc.                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:28 |
| S23 | 913   | S22 and @ay<"2014"                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:28 |
| S24 | 361   | S23 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:30 |
| S25 | 3,446 | (G16H20/30).cpc.                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S26 | 913   | S25 and @ay<"2014"                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S27 | 361   | S26 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S28 | 100   | S27 and motor                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |

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| S29 | 398,804 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:16 |
| S30 | 78,722  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:16 |
| S31 | 128,841 | A63B\$/\$.cpc.                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:17 |
| S32 | 951     | S30 and S31                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:17 |
| S33 | 366     | S32 and @ay<"2014"                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:20 |
| S34 | 90      | S33 and motor                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:23 |
| S35 | 464,599 | compliance                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S36 | 3,010   | S35 and S31                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S37 | 1,843   | S36 and @ay<"2014"                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S38 | 380     | S37 and motor                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:12 |
| S39 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or | US-PGPUB;<br>USPAT           | OR | OFF | 2020/05/11<br>11:26 |

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|     |        | US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. |                              |    |     |                     |
| S40 | 31     | S39 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/11<br>11:26 |
| S41 | 0      | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S42 | 44,065 | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc.                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S43 | 36     | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S44 | 6      | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S45 | 2      | (treadmill and sensor and pressure and (current adj sensor)).clm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S46 | 6      | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;                    | OR | OFF | 2020/05/26<br>10:22 |

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|     |         |                                                                    | USPAT;<br>USOCR                  |    |     |                     |
| S47 | 79,251  | (current adj sensor)                                               | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S48 | 356,192 | current with sensor                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S49 | 8       | S44 or S45 or S46                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S50 | 4       | S49 and S48                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S51 | 261     | treadmill same occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S52 | 157     | treadmill with occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S53 | 11      | treadmill with occup\$5 with sensor                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S54 | 44      | (treadmill with motor with current with<br>(sens\$4 or detect\$4)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S55 | 522     | watterson.in.                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S56 | 48      | S55 and website and internet and database                          | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S57 | 42      | S56 and treadmill                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |

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| S58 | 38      | S57 and @ay<"2014"                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S59 | 4,158   | (A63B24/0062).cpc.                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S60 | 1,615   | S59 and @ay<"2014"                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S61 | 2       | "20120214622"                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S62 | 3,507   | (G16H20/30).cpc.                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S63 | 924     | S62 and @ay<"2014"                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S64 | 368     | S63 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)    | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S65 | 3,507   | (G16H20/30).cpc.                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S66 | 924     | S65 and @ay<"2014"                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S67 | 368     | S66 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)    | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S68 | 105     | S67 and motor                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S69 | 401,305 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |

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| S70 | 79,236  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S71 | 129,108 | A63B\$/\$.cpc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S72 | 957     | S70 and S71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S73 | 366     | S72 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S74 | 90      | S73 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S75 | 466,880 | compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S76 | 3,023   | S75 and S71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S77 | 1,843   | S76 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S78 | 380     | S77 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S79 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ | US-PGPUB;<br>USPAT           | OR | OFF | 2020/05/26<br>10:22 |

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|     |    | or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |    |     |                     |
| S80 | 31 | S79 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S84 | 44 | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/10/22<br>17:18 |
| S85 | 1  | ("10796375").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>17:25 |
| S86 | 44 | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT           | OR | OFF | 2021/10/22<br>18:28 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |    |     |                     |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
|     |    | \$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did.                                                                                                                                                                                                                                   |                              |    |     |                     |
| S87 | 17 | ("20060205566"   "20090176629"   "20100016678"   "20120040799"   "20130035215"   "20130143718"   "20130211562"   "20130274066"   "20150119202"   "20150238817"   "6575878"   "6638198"   "8007408"   "8287434"   "8690735"   "8956268"   "9039580").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:28 |
| S88 | 44 | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/10/22<br>18:28 |

|     |        |                                                                                                                                                                                                                                                                                                 |                              |    |     |                     |
|-----|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S89 | 33     | S88 not S87                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:28 |
| S90 | 38,322 | (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:38 |
| S91 | 40     | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>10:44 |
| S92 | 2,654  | A63B24/0021.cpc.                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>14:26 |
| S93 | 3,318  | G06K9/00342.cpc.                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>15:28 |
| S94 | 1,840  | G01C22/006.cpc.                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>15:45 |
| S95 | 6,853  | A61B5/7264.cpc.                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>16:23 |
| S96 | 793    | A61B5/74.cpc.                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>16:26 |
| S97 | 139    | G06F16/387.cpc.                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>16:35 |
| S98 | 7,673  | A61B5/1118.cpc.                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/11/12<br>17:05 |

#### EAST Search History (Interference)

| Ref # | Hits   | Search Query                                                                                                                                                                                                                                                                                                 | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|---------|------------------|
| L81   | 37,503 | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB; USPAT | OR               | OFF     | 2021/11/19 12:54 |
| L82   | 3      | (motor and sensor and engagement and exercise and report and data).clm.                                                                                                                                                                                                                                      | US-PGPUB; USPAT | OR               | ON      | 2021/11/19 12:54 |
| L83   | 1      | (motor and exercise and use and sensor and reporting).clm.                                                                                                                                                                                                                                                   | US-PGPUB; USPAT | OR               | ON      | 2021/11/19 12:54 |
| L99   | 1      | (operating and member and exercise and sensor and report and engage).clm.                                                                                                                                                                                                                                    | US-PGPUB; USPAT | OR               | OFF     | 2021/11/19 13:05 |
| L100  | 4      | (operating and member and exercise and sensor and report and engag\$4).clm.                                                                                                                                                                                                                                  | US-PGPUB; USPAT | OR               | OFF     | 2021/11/19 13:05 |
| S81   | 44,019 | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB; USPAT | OR               | OFF     | 2020/05/26 10:22 |
| S82   | 1      | (motor and sensor and engagement and exercise and report and data).clm.                                                                                                                                                                                                                                      | US-PGPUB; USPAT | OR               | ON      | 2020/05/26 10:25 |
| S83   | 1      | (motor and exercise and use and sensor and reporting).clm.                                                                                                                                                                                                                                                   | US-PGPUB; USPAT | OR               | ON      | 2020/05/26 10:28 |

11/19/2021 1:06:17 PM

C:\Users\sganesan2\Documents\EAST\Workspaces\17327418.wsp

## Bibliographic Data

Application No: 17/327,418

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/SUNDHARA M GANESAN/

Examiner's Signature

Initials

Title:

EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION  
FUNCTION AND VERIFYING METHOD

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| FILING or 371(c) DATE | CLASS | GROUP ART UNIT | ATTORNEY DOCKET NO. |
|-----------------------|-------|----------------|---------------------|
| 05/21/2021            | 482   | 3784           | 011640-9081-US05    |
| RULE                  |       |                |                     |

### APPLICANTS

JOHNSON HEALTH TECH CO., LTD, Daya District, TAIWAN

### INVENTORS

Nathan Pyles, Lake Mills, WI, UNITED STATES

### CONTINUING DATA

This application is a CON of 17026847 09/21/2020

17026847 is a CON of 16043925 07/24/2018 PAT 10796375

16043925 is a CON of 14983171 12/29/2015 PAT 10032227

14983171 has PRO of 62098309 12/30/2014

### FOREIGN APPLICATIONS

#### IF REQUIRED, FOREIGN LICENSE GRANTED\*\*

05/28/2021

### STATE OR COUNTRY

UNITED STATES

### ADDRESS

MICHAEL BEST & FRIEDRICH LLP (Mke)

790 N WATER ST

SUITE 2500

MILWAUKEE, WI 53202

UNITED STATES

### FILING FEE RECEIVED

\$6,160

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|
| <b>Doc Code: DIST.E.FILE</b><br><b>Document Description: Electronic Terminal Disclaimer - Filed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                          | PTO/SB/26<br>U.S. Patent and Trademark Office<br>Department of Commerce |  |
| Electronic Petition Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT</b> |                                                                         |  |
| Application Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17327418                                                                                 |                                                                         |  |
| Filing Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 21-May-2021                                                                              |                                                                         |  |
| First Named Inventor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Nathan Pyles                                                                             |                                                                         |  |
| Attorney Docket Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 011640-9081-US05                                                                         |                                                                         |  |
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD          |                                                                         |  |
| <input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action<br><br><input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |                                                                         |  |
| Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                          | Percent Interest                                                        |  |
| JOHNSON HEALTH TECH CO., LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          | 100%                                                                    |  |
| <p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>10796375</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> <li>- expires for failure to pay a maintenance fee;</li> <li>- is held unenforceable;</li> <li>- is found invalid by a court of competent jurisdiction;</li> <li>- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;</li> <li>- has all claims canceled by a reexamination certificate;</li> <li>- is reissued; or</li> <li>- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.</li> </ul> <p><input type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.</p> |                                                                                          |                                                                         |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <input checked="checked" type="radio"/> I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |
| <p>THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES</p> <p>I certify, in accordance with 37 CFR 1.4(d)(4) that I am:</p> <p><input checked="checked" type="radio"/> An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application</p> <p style="margin-left: 40px;">Registration Number <u>77324</u></p> <p><input type="radio"/> A sole inventor</p> <p><input type="radio"/> A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application</p> <p><input type="radio"/> A joint inventor; all of whom are signing this request</p> |                 |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | /caleb m. nitz/ |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Caleb M. Nitz   |

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Doc Code: DISQ.E.FILE  
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 17327418

Filing Date: 21-May-2021

Applicant/Patent under Reexamination: Pyles

Electronic Terminal Disclaimer filed on November 12, 2021

☒ APPROVED

**This patent is subject to a terminal disclaimer**

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

| Electronic Acknowledgement Receipt          |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| <b>EFS ID:</b>                              | 44267317                                                                        |
| <b>Application Number:</b>                  | 17327418                                                                        |
| <b>International Application Number:</b>    |                                                                                 |
| <b>Confirmation Number:</b>                 | 3038                                                                            |
| <b>Title of Invention:</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |
| <b>First Named Inventor/Applicant Name:</b> | Nathan Pyles                                                                    |
| <b>Customer Number:</b>                     | 23409                                                                           |
| <b>Filer:</b>                               | Caleb M. Nitz/Kevin Mueller                                                     |
| <b>Filer Authorized By:</b>                 | Caleb M. Nitz                                                                   |
| <b>Attorney Docket Number:</b>              | 011640-9081-US05                                                                |
| <b>Receipt Date:</b>                        | 12-NOV-2021                                                                     |
| <b>Filing Date:</b>                         | 21-MAY-2021                                                                     |
| <b>Time Stamp:</b>                          | 13:47:04                                                                        |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)                                                     |

**Payment information:**

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

**File Listing:**

| Document Number | Document Description                   | File Name                | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------------------------|--------------------------|------------------------------------------|------------------|------------------|
| 1               | Terminal Disclaimer-Filed (Electronic) | eTerminal-Disclaimer.pdf | 39779                                    | no               | 2                |
|                 |                                        |                          | 2080cbe0828135bddab394742728da348e38a8bc |                  |                  |

**Warnings:**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 39779 |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                          |                                                                         |  |
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| <b>Doc Code: DIST.E.FILE</b><br><b>Document Description: Electronic Terminal Disclaimer - Filed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          | PTO/SB/26<br>U.S. Patent and Trademark Office<br>Department of Commerce |  |
| Electronic Petition Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT</b> |                                                                         |  |
| Application Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 17327418                                                                                 |                                                                         |  |
| Filing Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 21-May-2021                                                                              |                                                                         |  |
| First Named Inventor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Nathan Pyles                                                                             |                                                                         |  |
| Attorney Docket Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 011640-9081-US05                                                                         |                                                                         |  |
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD          |                                                                         |  |
| <input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action<br><br><input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |                                                                         |  |
| Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                          | Percent Interest                                                        |  |
| JOHNSON HEALTH TECH CO., LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          | 100%                                                                    |  |
| <p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>10032227</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> <li>- expires for failure to pay a maintenance fee;</li> <li>- is held unenforceable;</li> <li>- is found invalid by a court of competent jurisdiction;</li> <li>- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;</li> <li>- has all claims canceled by a reexamination certificate;</li> <li>- is reissued; or</li> <li>- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.</li> </ul> <p><input checked="" type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.</p> |                                                                                          |                                                                         |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <input type="radio"/> I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |
| Applicant claims the following fee status:<br><br><input type="radio"/> Small Entity<br><br><input type="radio"/> Micro Entity<br><br><input checked="" type="radio"/> Regular Undiscounted                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.                                                                                                                                                             |                 |
| THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES<br><br>I certify, in accordance with 37 CFR 1.4(d)(4) that I am:<br><br><input checked="" type="radio"/> An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application<br><br>Registration Number <u>77324</u><br><br><input type="radio"/> A sole inventor<br><br><input type="radio"/> A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application<br><br><input type="radio"/> A joint inventor; all of whom are signing this request |                 |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | /caleb m. nitz/ |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Caleb M. Nitz   |

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

| Electronic Patent Application Fee Transmittal      |                 |                                                                                 |               |                             |
|----------------------------------------------------|-----------------|---------------------------------------------------------------------------------|---------------|-----------------------------|
| <b>Application Number:</b>                         |                 | 17327418                                                                        |               |                             |
| <b>Filing Date:</b>                                |                 | 21-May-2021                                                                     |               |                             |
| <b>Title of Invention:</b>                         |                 | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |               |                             |
| <b>First Named Inventor/Applicant Name:</b>        |                 | Nathan Pyles                                                                    |               |                             |
| <b>Filer:</b>                                      |                 | Caleb M. Nitz/Tanya Parent                                                      |               |                             |
| <b>Attorney Docket Number:</b>                     |                 | 011640-9081-US05                                                                |               |                             |
| Filed as Large Entity                              |                 |                                                                                 |               |                             |
| <b>Filing Fees for Utility under 35 USC 111(a)</b> |                 |                                                                                 |               |                             |
| <b>Description</b>                                 | <b>Fee Code</b> | <b>Quantity</b>                                                                 | <b>Amount</b> | <b>Sub-Total in USD(\$)</b> |
| <b>Basic Filing:</b>                               |                 |                                                                                 |               |                             |
| STATUTORY OR TERMINAL DISCLAIMER                   | 1814            | 1                                                                               | 170           | 170                         |
| <b>Pages:</b>                                      |                 |                                                                                 |               |                             |
| <b>Claims:</b>                                     |                 |                                                                                 |               |                             |
| <b>Miscellaneous-Filing:</b>                       |                 |                                                                                 |               |                             |
| <b>Petition:</b>                                   |                 |                                                                                 |               |                             |
| <b>Patent-Appeals-and-Interference:</b>            |                 |                                                                                 |               |                             |
| <b>Post-Allowance-and-Post-Issuance:</b>           |                 |                                                                                 |               |                             |

| Description        | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------|----------|----------|--------|----------------------|
| Extension-of-Time: |          |          |        |                      |
| Miscellaneous:     |          |          |        |                      |
| Total in USD (\$)  |          |          |        | 170                  |

Doc Code: DISQ.E.FILE  
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 17327418

Filing Date: 21-May-2021

Applicant/Patent under Reexamination: Pyles

Electronic Terminal Disclaimer filed on November 5, 2021

☒ APPROVED

**This patent is subject to a terminal disclaimer**

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

| Electronic Acknowledgement Receipt          |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| <b>EFS ID:</b>                              | 44216675                                                                        |
| <b>Application Number:</b>                  | 17327418                                                                        |
| <b>International Application Number:</b>    |                                                                                 |
| <b>Confirmation Number:</b>                 | 3038                                                                            |
| <b>Title of Invention:</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |
| <b>First Named Inventor/Applicant Name:</b> | Nathan Pyles                                                                    |
| <b>Customer Number:</b>                     | 23409                                                                           |
| <b>Filer:</b>                               | Caleb M. Nitz/Tanya Parent                                                      |
| <b>Filer Authorized By:</b>                 | Caleb M. Nitz                                                                   |
| <b>Attorney Docket Number:</b>              | 011640-9081-US05                                                                |
| <b>Receipt Date:</b>                        | 05-NOV-2021                                                                     |
| <b>Filing Date:</b>                         | 21-MAY-2021                                                                     |
| <b>Time Stamp:</b>                          | 15:08:16                                                                        |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)                                                     |

**Payment information:**

|                                                                                                                |                  |
|----------------------------------------------------------------------------------------------------------------|------------------|
| Submitted with Payment                                                                                         | yes              |
| Payment Type                                                                                                   | CARD             |
| Payment was successfully received in RAM                                                                       | \$170            |
| RAM confirmation Number                                                                                        | E2021A5F08110199 |
| Deposit Account                                                                                                |                  |
| Authorized User                                                                                                |                  |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: |                  |

| <b>File Listing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |                          |                                          |                  |                  |
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| Document Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Document Description                   | File Name                | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Terminal Disclaimer-Filed (Electronic) | eTerminal-Disclaimer.pdf | 41402                                    | no               | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                          | 134fd4beff3629af70714a7ab53e179a8ca57c3c |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                          |                                          |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                          |                                          |                  |                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fee Worksheet (SB06)                   | fee-info.pdf             | 37975                                    | no               | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                          | a8b15f9cccc3b1fb55f60870ed115bb0a6c790e8 |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                          |                                          |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                          |                                          |                  |                  |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                          | 79377                                    |                  |                  |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                                        |                          |                                          |                  |                  |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Group Art Unit No. 3784

In re

Patent Application of

NATHAN PYLES

Application No. 17/327,418

Confirmation No. 3038

Filed: May 21, 2021

Examiner: GANESAN, SUNDHARA M

**“EXERCISE APPARATUS WITH  
EXERCISE USE VERIFICATION  
FUNCTION AND VERIFYING  
METHOD”**

Atty. Docket No. 011640-9081-US05

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**RESPONSE**

Sir:

The present Response is submitted in response to the non-final Office action dated October 27, 2021. The response is filed within the three-month shortened statutory period for response. Please charge or credit Deposit Account No. 13-3080 for any underpayment or overpayment associated with this response. Applicant respectfully requests that the Office enter and consider the following amendments and remarks:

**Listing of the Claims** begins at page 2 of this paper, and

**Remarks** begin at page 6 of this paper.

**LISTING OF THE CLAIMS**

What is claimed is:

1. (Original) An exercise apparatus comprising:
  - a base;
  - an operating unit movable relative to the base;
  - a motor coupled to the operating unit;
  - a sensor operable to detect engagement of a user with the operating unit;
  - a controller in communication with the operating unit and the sensor, the controller configured to generate validated exercise use data in response to the sensor detecting engagement of the user with the operating unit and movement of the operating unit relative to the base.
2. (Original) The exercise apparatus of claim 1, wherein the controller is further configured to generate non-validated exercise use data in response to the sensor detecting the user not engaged with the operating unit and movement of the operating unit relative to the base.
3. (Original) The exercise apparatus of claim 2, wherein on startup of the motor and movement of the operating unit relative to the base, the controller is configured to generate the non-validated exercise use data, and wherein the controller is further configured to record the non-validated exercise use data as validated exercise use data in response to the sensor detecting engagement of the user with the operating unit.
4. (Original) The exercise apparatus of claim 1, wherein the validated exercise use data includes an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating unit during movement of the operating unit relative to the base.
5. (Original) The exercise apparatus of claim 1, wherein the validated exercise use data includes a distance traveled by the user, wherein the distance traveled is defined while the sensor detects engagement of the user with the operating member.

6. (Original) The exercise apparatus of claim 1, wherein the controller is further configured to record the validated exercise use data in response to the sensor detecting engagement of the user with the operating unit.

7. (Original) The exercise apparatus of claim 1, wherein the controller is configured to establish communication with a remote location, and wherein the controller is configured to maintain communication between the exercise apparatus and the remote location while the user is determined by the controller not to be engaged with the operating member.

8. (Original) An exercise apparatus comprising:  
a motor;  
an operating member driven by the motor;  
a sensor operable to detect engagement of a user with the operating member;  
a controller in communication with the operating member and the sensor; and  
a communication interface in communication with the controller,  
wherein the controller is configured to determine whether the user is engaged with the operating member in response to a signal from the sensor and movement of the operating member,  
wherein the controller is configured to report exercise use data to the communication interface in response to the controller determining that the user is engaged with the operating member.

9. (Original) The exercise apparatus of claim 8, wherein the controller is configured to stop reporting the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member and the operating member is driven by the motor.

10. (Original) The exercise apparatus of claim 8, wherein the controller is in communication with the communication interface while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.

11. (Original) The exercise apparatus of claim 10, wherein the communication interface is in communication with a remote storage device while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.

12. (Original) The exercise apparatus of claim 8, wherein the controller is configured to report the exercise use data to the communication interface only in response to the controller determining that the user is engaged with the operating member and the operating member is being driven by the motor.

13. (Original) A method of verifying the use of an exercise apparatus, the method comprising:

- operating an operating member driven by a motor;
- generating exercise use data in response to operating the operating member;
- receiving, at a controller, sensor data from a sensor;
- comparing, at the controller, the sensor data with a known data parameter that is indicative of a user not engaging the operating member; and
- reporting, by the controller, the exercise use data to a communication interface in response to the comparison step indicating that the user is engaged with the operating member.

14. (Original) The method of claim 13, further comprising ceasing reporting of the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member while the operating member is driven by the motor.

15. (Original) The method of claim 13, further comprising generate the exercise use data in response to the determination that the user is engaged with the operating member and in response to the determination that the user is not engaged with the operating member while the operating member is being driven by the motor.

16. (Original) The method of claim 13, further comprising reporting, by the controller, the exercise use data to the communication interface only in response to the controller determining that the user is engaged with the operating member.

17. (Original) The method of claim 13, further comprising determining, by the controller, an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating member during movement of the operating member.
18. (Original) The method of claim 13, wherein the known data parameter is recognized by the controller during operational use of the operating member.
19. (Original) The method of claim 13, wherein the reported exercise use data is defined as validated exercise use data.
20. (Original) The method of claim 13, further comprising connecting the exercise apparatus with a remote location, communicating the exercise use data to the remote location, and maintaining communication between the exercise apparatus and an remote location while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.

**REMARKS**

By this response, no claims are amended, canceled, or newly presented such that claims 1-20 remain pending. No new matter is added.

**DOUBLE PATENTING**

On pages 2-6 of the Office action, claims 1-6 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 10,032,227.

On pages 6-14 of the Office action, claims 8-11 and 13-15 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1 and 16 of U.S. Patent No. 10,032,227.

Applicant submits that U.S. Patent No. 10,032,227 is commonly owned with the examined application and submits a terminal disclaimer herewith. As such, Applicant respectfully submits that, in addition to claims 7, 12, and 16-20, which the Examiner identified as being allowable, claims 1-6, 8-11, and 13-15 are in condition for allowance. Therefore, claims 1-20 are in condition for allowance.

### **CONCLUSION**

In light of the foregoing, Applicant respectfully submits that claims 1-20 are in condition for allowance.

Applicant's undersigned representative is available to discuss the application in a telephone conference during normal business hours if the Examiner believes it would expedite the prosecution of the application. Please grant any extensions of time required to enter this amendment and charge any additional required fees to Deposit Account No. 13-3080.

Respectfully submitted,  
/caleb m. nitz/

Caleb M. Nitz  
Reg. No. 77,324

Docket No. 011640-9081-US05  
Michael Best & Friedrich LLP  
N19W24133 Riverwood Dr #200  
Suite 200  
Waukesha, WI 53188  
262.956.6560

| Electronic Acknowledgement Receipt          |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| <b>EFS ID:</b>                              | 44216531                                                                        |
| <b>Application Number:</b>                  | 17327418                                                                        |
| <b>International Application Number:</b>    |                                                                                 |
| <b>Confirmation Number:</b>                 | 3038                                                                            |
| <b>Title of Invention:</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |
| <b>First Named Inventor/Applicant Name:</b> | Nathan Pyles                                                                    |
| <b>Customer Number:</b>                     | 23409                                                                           |
| <b>Filer:</b>                               | Caleb M. Nitz/Tanya Parent                                                      |
| <b>Filer Authorized By:</b>                 | Caleb M. Nitz                                                                   |
| <b>Attorney Docket Number:</b>              | 011640-9081-US05                                                                |
| <b>Receipt Date:</b>                        | 05-NOV-2021                                                                     |
| <b>Filing Date:</b>                         | 21-MAY-2021                                                                     |
| <b>Time Stamp:</b>                          | 15:04:48                                                                        |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)                                                     |

**Payment information:**

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|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

**File Listing:**

| Document Number | Document Description | File Name                             | File Size(Bytes)/<br>Message Digest                | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---------------------------------------|----------------------------------------------------|------------------|------------------|
| 1               |                      | 011640-9081-US05_Response_as_fied.pdf | 107067<br>f089b298a9c2c09c2a85b47ad5b68b8f3d1c3097 | yes              | 7                |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Document Description                                  | Start  | End |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Amendment/Req. Reconsideration-After Non-Final Reject | 1      | 1   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Claims                                                | 2      | 5   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Applicant Arguments/Remarks Made in an Amendment      | 6      | 7   |
| Warnings:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |        |     |
| Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |        |     |
| Total Files Size (in bytes):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | 107067 |     |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                                                       |        |     |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------|---------------|---------------------------|---------------------|---------------------------------------|--|--|
| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b><br>Substitute for Form PTO-875                                               |                                                                                          |                                                                                                                                                                                                                               |              | Application or Docket Number<br>17/327,418 |               | Filing Date<br>05/21/2021 |                     | <input type="checkbox"/> To be Mailed |  |  |
| ENTITY: <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> SMALL <input type="checkbox"/> MICRO                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
| <b>APPLICATION AS FILED - PART I</b>                                                                                            |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 |                                                                                          | (Column 1)                                                                                                                                                                                                                    | (Column 2)   |                                            |               |                           |                     |                                       |  |  |
| FOR                                                                                                                             |                                                                                          | NUMBER FILED                                                                                                                                                                                                                  | NUMBER EXTRA |                                            | RATE (\$)     |                           | FEE (\$)            |                                       |  |  |
| <input type="checkbox"/> BASIC FEE<br>(37 CFR 1.16(a), (b), or (c))                                                             |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |                     |                                       |  |  |
| <input type="checkbox"/> SEARCH FEE<br>(37 CFR 1.16(k), (l), or (m))                                                            |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |                     |                                       |  |  |
| <input type="checkbox"/> EXAMINATION FEE<br>(37 CFR 1.16(o), (p), or (q))                                                       |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |                     |                                       |  |  |
| TOTAL CLAIMS<br>(37 CFR 1.16(j))                                                                                                |                                                                                          | minus 20 =                                                                                                                                                                                                                    | *            |                                            | x \$100 =     |                           |                     |                                       |  |  |
| INDEPENDENT CLAIMS<br>(37 CFR 1.16(h))                                                                                          |                                                                                          | minus 3 =                                                                                                                                                                                                                     | *            |                                            | x \$480 =     |                           |                     |                                       |  |  |
| <input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))                                                                  |                                                                                          | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |              |                                            |               |                           |                     |                                       |  |  |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                      |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                       |                                                                                          |                                                                                                                                                                                                                               |              |                                            | TOTAL         |                           |                     |                                       |  |  |
| <b>APPLICATION AS AMENDED - PART II</b>                                                                                         |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 |                                                                                          | (Column 1)                                                                                                                                                                                                                    | (Column 2)   |                                            | (Column 3)    |                           |                     |                                       |  |  |
| AMENDMENT                                                                                                                       | 11/05/2021                                                                               | CLAIMS REMAINING AFTER AMENDMENT                                                                                                                                                                                              |              | HIGHEST NUMBER PREVIOUSLY PAID FOR         | PRESENT EXTRA | RATE (\$)                 | ADDITIONAL FEE (\$) |                                       |  |  |
|                                                                                                                                 | Total<br>(37 CFR 1.16(j))                                                                | * 20                                                                                                                                                                                                                          | Minus        | ** 20                                      | = 0           | x \$100 =                 | 0                   |                                       |  |  |
|                                                                                                                                 | Independent<br>(37 CFR 1.16(h))                                                          | * 3                                                                                                                                                                                                                           | Minus        | *** 3                                      | = 0           | x \$480 =                 | 0                   |                                       |  |  |
|                                                                                                                                 | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                           |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | TOTAL ADD'L FEE           | 0                   |                                       |  |  |
| AMENDMENT                                                                                                                       |                                                                                          | CLAIMS REMAINING AFTER AMENDMENT                                                                                                                                                                                              |              | HIGHEST NUMBER PREVIOUSLY PAID FOR         | PRESENT EXTRA | RATE (\$)                 | ADDITIONAL FEE (\$) |                                       |  |  |
|                                                                                                                                 | Total<br>(37 CFR 1.16(j))                                                                | *                                                                                                                                                                                                                             | Minus        | **                                         | =             | x \$0 =                   |                     |                                       |  |  |
|                                                                                                                                 | Independent<br>(37 CFR 1.16(h))                                                          | *                                                                                                                                                                                                                             | Minus        | ***                                        | =             | x \$0 =                   |                     |                                       |  |  |
|                                                                                                                                 | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                           |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | TOTAL ADD'L FEE           |                     |                                       |  |  |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.                                           |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | LIE                       |                     |                                       |  |  |
| ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".                                       |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | /JAMES W TUNSTALL/        |                     |                                       |  |  |
| *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".                                        |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |
| The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |                     |                                       |  |  |

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



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|--------------------------------------------------------------------------------------------------------------------|-------------|----------------------|---------------------------------|-----------------------------|
| APPLICATION NO.                                                                                                    | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.             | CONFIRMATION NO.            |
| 17/327,418                                                                                                         | 05/21/2021  | Nathan Pyles         | 011640-9081-US05                | 3038                        |
| 23409 7590 10/27/2021<br>MICHAEL BEST & FRIEDRICH LLP (Mke)<br>790 N WATER ST<br>SUITE 2500<br>MILWAUKEE, WI 53202 |             |                      | EXAMINER<br>GANESAN, SUNDHARA M |                             |
|                                                                                                                    |             |                      | ART UNIT<br>3784                | PAPER NUMBER                |
|                                                                                                                    |             |                      | NOTIFICATION DATE<br>10/27/2021 | DELIVERY MODE<br>ELECTRONIC |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mkeipdocket@michaelbest.com



## **DETAILED ACTION**

### ***Notice of Pre-AIA or AIA Status***

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

### ***Double Patenting***

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a

result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit [www.uspto.gov/patent/patents-forms](http://www.uspto.gov/patent/patents-forms). The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to [www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp](http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp).

Claims 1-6 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 10,032,227. Although the claims at issue are not identical, they are not patentably distinct from each other because the '227 Patent claims anticipate the instant application claims, as detailed in the claim comparison table below.

| Double Patenting Claim Comparison Chart |                                                                                     |           |                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------|
| Claim no.                               | Instant Application                                                                 | Claim no. | US Pat. 10,032,227                                                                                |
| 1.                                      | An exercise apparatus comprising: a base; an operating unit movable relative to the | 1.        | An exercise apparatus comprising: a base; an operating unit movable relative to the base; a motor |

|    |                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | base; a motor coupled to the operating unit; a sensor operable to detect engagement of a user with the operating unit; a controller in communication with the operating unit and the sensor, the controller configured to generate validated exercise use data in response to the sensor detecting engagement of the user with the operating unit and movement of the operating unit relative to the base. |    | coupled to the operating unit; a sensor operable to detect engagement of a user with the operating unit; a controller in communication with the operating unit and the sensor; and a communication interface in communication with the controller, wherein the controller is configured to generate a non-validated exercise use data in response to movement of the operating unit relative to the base and the sensor does not detect engagement of the user with the operating unit, wherein the controller is further configured to generate a validated exercise use data in response to movement of the operating unit relative to the base and the sensor does detect engagement of the user with the operating unit, and wherein the controller transmits the validated exercise use data to the communication interface. |
| 2. | The exercise apparatus of claim 1, wherein the controller is further configured to generate non-validated exercise use data in response to the sensor detecting the user not engaged                                                                                                                                                                                                                       | 1. | wherein the controller is configured to generate a non-validated exercise use data in response to movement of the operating unit relative to the base and the sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                                                                      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | with the operating unit and movement of the operating unit relative to the base.                                                                                                                                                                                                                                                                                                                                            |    | does not detect engagement of the user with the operating unit,                                                                                                                                                                                                                                                                      |
| 3. | The exercise apparatus of claim 2, wherein on startup of the motor and movement of the operating unit relative to the base, the controller is configured to generate the non-validated exercise use data, and wherein the controller is further configured to record the non-validated exercise use data as validated exercise use data in response to the sensor detecting engagement of the user with the operating unit. | 2. | The exercise apparatus of claim 1, wherein to generate the validated exercise use data the controller records the non-validated exercise use data as validated exercise use data for a portion of time that the operating unit moves relative to the base and the sensor does detect engagement of the user with the operating unit. |
| 4. | The exercise apparatus of claim 1, wherein the validated exercise use data includes an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating unit during movement of the operating unit relative to the base.                                                                                                                                                | 4. | The exercise apparatus of claim 1, wherein the validated exercise use data includes a time spent exercising while the sensor detects engagement of the user with the operating unit.                                                                                                                                                 |
| 5. | The exercise apparatus of claim 1, wherein the validated exercise use data includes a distance traveled by the user, wherein the distance traveled is defined                                                                                                                                                                                                                                                               | 3. | The exercise apparatus of claim 1, wherein the validated exercise use data includes a distance traveled by the user while the sensor                                                                                                                                                                                                 |

|    |                                                                                                                                                                                                               |    |                                                                                                                                                                                                                                      |
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|    | while the sensor detects engagement of the user with the operating member.                                                                                                                                    |    | detects engagement of the user with the operating unit.                                                                                                                                                                              |
| 6. | The exercise apparatus of claim 1, wherein the controller is further configured to record the validated exercise use data in response to the sensor detecting engagement of the user with the operating unit. | 1. | wherein the controller is further configured to generate a validated exercise use data in response to movement of the operating unit relative to the base and the sensor does detect engagement of the user with the operating unit, |

Claims 8-11 and 13-15 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1 and 16 of U.S. Patent No. 10,032,227. Although the claims at issue are not identical, they are not patentably distinct from each other because the '227 Patent claims anticipate the instant application claims, as detailed in the claim comparison table below.

| Double Patenting Claim Comparison Chart |                                                                                                                                      |           |                                                                                                                                                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Claim no.                               | Instant Application                                                                                                                  | Claim no. |                                                                                                                                                                 |
| 8.                                      | An exercise apparatus comprising: a motor; an operating member driven by the motor; a sensor operable to detect engagement of a user | 1.        | An exercise apparatus comprising: a motor; an operating member driven by the motor; a sensor operable to detect engagement of a user with the operating member; |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|  | <p>with the operating member; a controller in communication with the operating member and the sensor; and a communication interface in communication with the controller, wherein the controller is configured to determine whether the user is engaged with the operating member in response to a signal from the sensor and movement of the operating member, wherein the controller is configured to report exercise use data to the communication interface in response to the controller determining that the user is engaged with the operating member.</p> |  | <p>a controller in communication with the operating member and the sensor, the controller configured to generate exercise use data when the operating member is driven by the motor; and a communication interface in communication with the controller, wherein the controller is configured determine whether the user is engaged with the operating member in response to movement of the operating member and the sensor detecting engagement of the user with the operating member, wherein in response to the controller determining that the user is engaged with the operating member, the controller is configured to report the exercise use data to the communication interface, wherein in response to the controller determining that the</p> |
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|     |                                                                                                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                           |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                                                                                               |    | user is not engaged with the operating member, the controller is configured to stop reporting the exercise use data to the communication interface, and wherein the communication interface is configured to communicate the reported exercise use data to a third party. |
| 9.  | wherein the controller is configured to stop reporting the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member and the operating member is driven by the motor. | 1. | wherein in response to the controller determining that the user is not engaged with the operating member, the controller is configured to stop reporting the exercise use data to the communication interface,                                                            |
| 10. | wherein the controller is in communication with the communication interface while the operating member is driven by the motor and the user is                                                                                                                 | 1. | and a communication interface in communication with the controller, wherein the controller is configured determine whether the user is engaged with the operating                                                                                                         |

|     |                                                                           |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|     | determined by the controller not to be engaged with the operating member. |    | member in response to movement of the operating member and the sensor detecting engagement of the user with the operating member, wherein in response to the controller determining that the user is engaged with the operating member, the controller is configured to report the exercise use data to the communication interface, wherein in response to the controller determining that the user is not engaged with the operating member, the controller is configured to stop reporting the exercise use data to the communication interface, and wherein the communication interface is configured to communicate the reported exercise use data to a third party. |
| 11. | wherein the communication interface is in communication                   | 1. | and a communication interface in communication with the controller,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|  |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>with a remote storage device while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member</p> | <p>wherein the controller is configured determine whether the user is engaged with the operating member in response to movement of the operating member and the sensor detecting engagement of the user with the operating member, wherein in response to the controller determining that the user is engaged with the operating member, the controller is configured to report the exercise use data to the communication interface, wherein in response to the controller determining that the user is not engaged with the operating member, the controller is configured to stop reporting the exercise use data to the communication interface, and wherein the communication interface is configured to</p> |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     | communicate the reported exercise use data to a third party.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13. | A method of verifying the use of an exercise apparatus, the method comprising: operating an operating member driven by a motor; generating exercise use data in response to operating the operating member; receiving, at a controller, sensor data from a sensor; comparing, at the controller, the sensor data with a known data parameter that is indicative of a user not engaging the operating member; and reporting, by the controller, the exercise use data to a communication interface in response to the comparison step indicating that the user is engaged with the operating member. | 16. | A method of verifying the use of an exercise apparatus comprising: operating a motor-driven operating member; in response to operating the motor-driven operating member, generating exercise use data; receiving, at a controller, sensor data from a sensor; comparing, at the controller, the received sensor data with a known data parameter that is indicative of a user not engaging the motor-driven operating member; in response to the comparison step indicating that the user is engaged with the motor-driven operating member, reporting the exercise use data to a communication interface; in response to the comparison step indicating that the user is not engaged with the |

|     |                                                                                                                                                                                                                                                                          |     |                                                                                                                                                                                                                                        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                                                                                                          |     | motor-driven operating member, ceasing to report the exercise use data to the communication interface; and communicating the reported exercise use data from the communication interface to a third party.                             |
| 14. | The method of claim 13, further comprising ceasing reporting of the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member while the operating member is driven by the motor. | 16. | in response to the comparison step indicating that the user is not engaged with the motor-driven operating member, ceasing to report the exercise use data to the communication interface;                                             |
| 15. | The method of claim 13, further comprising generate the exercise use data in response to the determination that the user is engaged with the operating member and in response to the determination                                                                       | 16. | comparing, at the controller, the received sensor data with a known data parameter that is indicative of a user not engaging the motor-driven operating member; in response to the comparison step indicating that the user is engaged |

|     |                                                                                                                                                                                                                                                    |  |                                                                                                      |
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|     | that the user is not engaged with the operating member while the operating member is being driven by the motor.                                                                                                                                    |  | with the motor-driven operating member, reporting the exercise use data to a communication interface |
| 16. | The method of claim 13, further comprising reporting, by the controller, the exercise use data to the communication interface only in response to the controller determining that the user is engaged with the operating member.                   |  |                                                                                                      |
| 17. | The method of claim 13, further comprising determining, by the controller, an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating member during movement of the operating member. |  |                                                                                                      |
| 18. | The method of claim 13, wherein the known data                                                                                                                                                                                                     |  |                                                                                                      |

|     |                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|     | parameter is recognized by the controller during operational use of the operating member.                                                                                                                                                                                                                                                                                                        |  |  |
| 19. | The method of claim 13, wherein the reported exercise use data is defined as validated exercise use data.                                                                                                                                                                                                                                                                                        |  |  |
| 20. | The method of claim 13, further comprising connecting the exercise apparatus with a remote location, communicating the exercise use data to the remote location, and maintaining communication between the exercise apparatus and an remote location while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member. |  |  |

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUNDHARA M GANESAN whose telephone number is (571)272-3340. The examiner can normally be reached 9:30AM-5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LoAn Thanh can be reached on (571)272-4966. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SUNDHARA M GANESAN/  
Primary Examiner, Art Unit 3784

|                                   |                                       |  |                                                             |             |
|-----------------------------------|---------------------------------------|--|-------------------------------------------------------------|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>17/327,418 |  | Applicant(s)/Patent Under<br>Reexamination<br>Pyles, Nathan |             |
|                                   | Examiner<br>SUNDHARA M GANESAN        |  | Art Unit<br>3784                                            | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name                | CPC Classification | US Classification |
|---|---|--------------------------------------------------|-----------------|---------------------|--------------------|-------------------|
| * | A | US-20150066171-A1                                | 03-2015         | Brussog; Ingo       | G16H40/63          | 700/91            |
| * | B | US-20140256512-A1                                | 09-2014         | Kaiser; William J.  | A63B22/0694        | 482/9             |
| * | C | US-20130330694-A1                                | 12-2013         | Watterson; Scott R. | A61B5/0022         | 434/247           |
| * | D | US-20120296455-A1                                | 11-2012         | Ohnemus; Peter      | G16H10/60          | 700/91            |
|   | E |                                                  |                 |                     |                    |                   |
|   | F |                                                  |                 |                     |                    |                   |
|   | G |                                                  |                 |                     |                    |                   |
|   | H |                                                  |                 |                     |                    |                   |
|   | I |                                                  |                 |                     |                    |                   |
|   | J |                                                  |                 |                     |                    |                   |
|   | K |                                                  |                 |                     |                    |                   |
|   | L |                                                  |                 |                     |                    |                   |
|   | M |                                                  |                 |                     |                    |                   |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | CPC Classification |
|---|---|--------------------------------------------------|-----------------|---------|------|--------------------|
|   | N |                                                  |                 |         |      |                    |
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|   | R |                                                  |                 |         |      |                    |
|   | S |                                                  |                 |         |      |                    |
|   | T |                                                  |                 |         |      |                    |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|-------------------------------------------------------------------------------------------|
|   | U |                                                                                           |
|   | V |                                                                                           |
|   | W |                                                                                           |
|   | X |                                                                                           |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office  
PTO-892 (Rev. 01-2001)

**Notice of References Cited**

Part of Paper No. 20211022

|                                                                                                          |                                              |                                                                 |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|
| <b>Search Notes</b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                          | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

| CPC - Searched*                                                                                                                                                                                                                                                                                 |            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| Symbol                                                                                                                                                                                                                                                                                          | Date       | Examiner |
| (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc. | 10/22/2021 | SG       |

| CPC Combination Sets - Searched* |      |          |
|----------------------------------|------|----------|
| Symbol                           | Date | Examiner |
|                                  |      |          |

| US Classification - Searched* |          |      |          |
|-------------------------------|----------|------|----------|
| Class                         | Subclass | Date | Examiner |
|                               |          |      |          |

\* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

| Search Notes                                                                               |            |          |
|--------------------------------------------------------------------------------------------|------------|----------|
| Search Notes                                                                               | Date       | Examiner |
| Conducted inventor name search in EAST and PALM                                            | 10/22/2021 | SG       |
| Reviewed IDS docs                                                                          |            |          |
| Developed and executed classification and text search, see EAST search history for details | 10/22/2021 | SG       |

| Interference Search |                       |      |          |
|---------------------|-----------------------|------|----------|
| US Class/CPC Symbol | US Subclass/CPC Group | Date | Examiner |
|                     |                       |      |          |

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| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>17/327,418 | <b>Applicant(s)/Patent Under Reexamination</b><br>Pyles, Nathan |
|                                                                                                                 | <b>Examiner</b><br>SUNDHARA M GANESAN        | <b>Art Unit</b><br>3784                                         |

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## EAST Search History

### EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|---------|------------------|
| L1    | 44   | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB; USPAT        | OR               | OFF     | 2021/10/22 17:18 |
| L2    | 1    | ("10796375").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2021/10/22 17:25 |
| L3    | 44   | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or                                                                                                                                                                                                                                                                                                                   | US-PGPUB; USPAT        | OR               | OFF     | 2021/10/22 18:28 |

|    |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |    |     |                     |
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|    |        | US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |    |     |                     |
| L4 | 17     | ("20060205566"   "20090176629"   "20100016678"   "20120040799"   "20130035215"   "20130143718"   "20130211562"   "20130274066"   "20150119202"   "20150238817"   "6575878"   "6638198"   "8007408"   "8287434"   "8690735"   "8956268"   "9039580").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:28 |
| L5 | 44     | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2021/10/22<br>18:28 |
| L6 | 33     | 5 not 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:28 |
| L7 | 38,322 | (G06Q40/08 or A63B22/0235 or A63B24/0062 or A63B24/0087 or G16H20/30 or A63B22/025 or A63B22/04 or A63B2024/0093 or A63B2024/0096 or A63B2220/13 or A63B2220/20 or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2021/10/22<br>18:38 |

|     |         |                                                                                                                                                                                                                                                                                                              |                              |    |     |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
|     |         | A63B2220/30 or A63B2220/56 or A63B2220/62 or A63B2220/805 or A63B2225/20 or A63B2225/50 or A63B2230/50 or A63B2230/505).cpc.                                                                                                                                                                                 |                              |    |     |                     |
| S1  | 0       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.).PN.                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:15 |
| S2  | 42,589  | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:22 |
| S3  | 36      | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/03<br>16:27 |
| S4  | 6       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:17 |
| S5  | 2       | (treadmill and sensor and pressure and (current adj sensor)).clm.                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:30 |
| S6  | 6       | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:31 |
| S7  | 76,228  | (current adj sensor)                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:31 |
| S8  | 342,696 | current with sensor                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:32 |
| S9  | 8       | S4 or S5 or S6                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:32 |
| S10 | 4       | S9 and S8                                                                                                                                                                                                                                                                                                    | US-PGPUB;                    | OR | OFF | 2020/01/06<br>11:32 |

|     |       |                                                                    |                                  |    |     |                     |
|-----|-------|--------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
|     |       |                                                                    | USPAT;<br>USOCR                  |    |     |                     |
| S11 | 246   | treadmill same occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:35 |
| S12 | 150   | treadmill with occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:36 |
| S13 | 11    | treadmill with occup\$5 with sensor                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:36 |
| S14 | 42    | (treadmill with motor with current with<br>(sens\$4 or detect\$4)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:44 |
| S15 | 512   | watterson.in.                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:54 |
| S16 | 48    | S15 and website and internet and database                          | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:54 |
| S17 | 42    | S16 and treadmill                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:55 |
| S18 | 38    | S17 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/01/06<br>11:55 |
| S19 | 4,094 | (A63B24/0062).cpc.                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/04/13<br>11:17 |
| S20 | 1,607 | S19 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/04/13<br>11:17 |
| S21 | 2     | "20120214622"                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/05<br>15:44 |

|     |         |                                                                                                                    |                                  |    |     |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
| S22 | 3,446   | (G16H20/30).cpc.                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:28 |
| S23 | 913     | S22 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:28 |
| S24 | 361     | S23 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>10:30 |
| S25 | 3,446   | (G16H20/30).cpc.                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S26 | 913     | S25 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S27 | 361     | S26 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S28 | 100     | S27 and motor                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/06<br>17:35 |
| S29 | 398,804 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:16 |
| S30 | 78,722  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:16 |
| S31 | 128,841 | A63B\$/\$.cpc.                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:17 |
| S32 | 951     | S30 and S31                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:17 |
| S33 | 366     | S32 and @ay<"2014"                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:20 |

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |    |     |                     |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S34 | 90      | S33 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>14:23 |
| S35 | 464,599 | compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S36 | 3,010   | S35 and S31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S37 | 1,843   | S36 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:11 |
| S38 | 380     | S37 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/07<br>15:12 |
| S39 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2020/05/11<br>11:26 |
| S40 | 31      | S39 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/11<br>11:26 |

|     |         |                                                                                                                                                                                                                                                                                                              |                              |    |     |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S41 | 0       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.).PN.                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S42 | 44,065  | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S43 | 36      | ((("Pyles") near3 ("Nathan"))).INV.                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S44 | 6       | ("20090176629"   "6638198"   "8007408"   "8287434"   "8956268"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S45 | 2       | (treadmill and sensor and pressure and (current adj sensor)).clm.                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S46 | 6       | ("8287434"   "8007408"   "8956268"   "6638198"   "20090176629"   "9039580").PN.                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S47 | 79,251  | (current adj sensor)                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S48 | 356,192 | current with sensor                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S49 | 8       | S44 or S45 or S46                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S50 | 4       | S49 and S48                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S51 | 261     | treadmill same occup\$5                                                                                                                                                                                                                                                                                      | US-PGPUB;                    | OR | OFF | 2020/05/26<br>10:22 |

|     |       |                                                                    |                                  |    |     |                     |
|-----|-------|--------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
|     |       |                                                                    | USPAT;<br>USOCR                  |    |     |                     |
| S52 | 157   | treadmill with occup\$5                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S53 | 11    | treadmill with occup\$5 with sensor                                | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S54 | 44    | (treadmill with motor with current with<br>(sens\$4 or detect\$4)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S55 | 522   | watterson.in.                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S56 | 48    | S55 and website and internet and database                          | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S57 | 42    | S56 and treadmill                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S58 | 38    | S57 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S59 | 4,158 | (A63B24/0062).cpc.                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S60 | 1,615 | S59 and @ay<"2014"                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S61 | 2     | "20120214622"                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S62 | 3,507 | (G16H20/30).cpc.                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |

|     |         |                                                                                                                    |                              |    |     |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S63 | 924     | S62 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S64 | 368     | S63 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S65 | 3,507   | (G16H20/30).cpc.                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S66 | 924     | S65 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S67 | 368     | S66 and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S68 | 105     | S67 and motor                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S69 | 401,305 | sensor and (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S70 | 79,236  | sensor same (validate or verify or certify or affirm or authenticate or confirm or ratify or authorize or endorse) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S71 | 129,108 | A63B\$/\$.cpc.                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S72 | 957     | S70 and S71                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S73 | 366     | S72 and @ay<"2014"                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S74 | 90      | S73 and motor                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |    |     |                     |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S75 | 466,880 | compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S76 | 3,023   | S75 and S71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S77 | 1,843   | S76 and @ay<"2014"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S78 | 380     | S77 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |
| S79 | 44      | (US-20090176629-\$ or US-20160189437-\$ or US-20110059825-\$ or US-20130274066-\$ or US-20150367175-\$ or US-20150119202-\$ or US-20140302967-\$ or US-20130035215-\$ or US-20080032870-\$ or US-20060276306-\$ or US-20130330694-\$ or US-20060205566-\$ or US-20120237911-\$ or US-20150258370-\$ or US-20150157896-\$ or US-20150157895-\$ or US-20140256512-\$ or US-20040133081-\$ or US-20140187383-\$ or US-20150134088-\$ or US-20140173082-\$ or US-20140074491-\$ or US-20120296455-\$ or US-20020055419-\$ or US-20120071770-\$ or US-20110191158-\$).did. or (US-20080204225-\$ or US-20150141201-\$ or US-20150066171-\$ or US-20140275821-\$ or US-20130211562-\$ or US-20130143718-\$ or US-20120040799-\$ or US-20100016678-\$).did. or (US-9039580-\$ or US-6575878-\$ or US-7141006-\$ or US-7048676-\$ or US-6416444-\$ or US-6055359-\$ or US-5747955-\$ or US-5290205-\$ or US-5209710-\$ or US-6050924-\$).did. | US-PGPUB;<br>USPAT           | OR | OFF | 2020/05/26<br>10:22 |
| S80 | 31      | S79 and motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2020/05/26<br>10:22 |

#### EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
|-------|------|--------------|-----|------------------|---------|------------|

|     |        |                                                                                                                                                                                                                                                                                                              |                    |    |     |                     |
|-----|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|---------------------|
| S81 | 44,019 | (G06Q40/08 or G06F19/00 or G16H20/30 or G06F19/3481 or A63B24/0087 or A63B22/0235 or A63B2220/13 or A63B2230/50 or A63B2225/20 or A63B22/025 or A63B2225/50 or A63B2220/805 or A63B2220/56 or A63B2220/30 or A63B2024/0096 or A63B2024/0093 or A63B22/04 or A63B2230/505 or A63B2220/62 or A63B2220/20).cpc. | US-PGPUB;<br>USPAT | OR | OFF | 2020/05/26<br>10:22 |
| S82 | 1      | (motor and sensor and engagement and exercise and report and data).clm.                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT | OR | ON  | 2020/05/26<br>10:25 |
| S83 | 1      | (motor and exercise and use and sensor and reporting).clm.                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | ON  | 2020/05/26<br>10:28 |

10/22/2021 6:38:30 PM

C:\Users\sganesan2\Documents\EAST\Workspaces\17327418.wsp

## Bibliographic Data

Application No: 17/327,418

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/SUNDHARA M GANESAN/

Examiner's Signature

Initials

Title:

EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION  
FUNCTION AND VERIFYING METHOD

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| FILING or 371(c) DATE | CLASS | GROUP ART UNIT | ATTORNEY DOCKET NO. |
|-----------------------|-------|----------------|---------------------|
| 05/21/2021            | 482   | 3784           | 011640-9081-US05    |
| RULE                  |       |                |                     |

### APPLICANTS

JOHNSON HEALTH TECH CO., LTD, Daya District, TAIWAN

### INVENTORS

Nathan Pyles, Lake Mills, WI, UNITED STATES

### CONTINUING DATA

This application is a CON of 17026847 09/21/2020

17026847 is a CON of 16043925 07/24/2018 PAT 10796375

16043925 is a CON of 14983171 12/29/2015 PAT 10032227

14983171 has PRO of 62098309 12/30/2014

### FOREIGN APPLICATIONS

#### IF REQUIRED, FOREIGN LICENSE GRANTED\*\*

05/28/2021

### STATE OR COUNTRY

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UNITED STATES

### FILING FEE RECEIVED

\$6,160

Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2016. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                  |
|                                                                                                     | Filing Date            | 2021-05-21       |
|                                                                                                     | First Named Inventor   | Nathan Pyles     |
|                                                                                                     | Art Unit               |                  |
|                                                                                                     | Examiner Name          |                  |
|                                                                                                     | Attorney Docket Number | 011640-9081-US05 |

| U.S.PATENTS                                                                                 |         |               |                        |            |                                                 | Remove                                                                   |
|---------------------------------------------------------------------------------------------|---------|---------------|------------------------|------------|-------------------------------------------------|--------------------------------------------------------------------------|
| Examiner Initial*                                                                           | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|                                                                                             | 1       | 6638198       |                        | 2003-10-28 | Shea                                            |                                                                          |
|                                                                                             | 2       | 8287434       |                        | 2012-10-16 | Zavadsky et al.                                 |                                                                          |
|                                                                                             | 3       | 8007408       |                        | 2011-08-30 | Moran et al.                                    |                                                                          |
|                                                                                             | 4       | 8956268       |                        | 2015-02-17 | Huang et al.                                    |                                                                          |
|                                                                                             | 5       | 9039580       |                        | 2015-05-26 | Bayerlein et al.                                |                                                                          |
|                                                                                             | 6       | 6575878       |                        | 2003-06-10 | Choy                                            |                                                                          |
|                                                                                             | 7       | 8690735       |                        | 2014-04-08 | Watterson et al.                                |                                                                          |
| If you wish to add additional U.S. Patent citation information please click the Add button. |         |               |                        |            |                                                 | Add                                                                      |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |              |                  |
|                                                                                                     | Filing Date            |              | 2021-05-21       |
|                                                                                                     | First Named Inventor   | Nathan Pyles |                  |
|                                                                                                     | Art Unit               |              |                  |
|                                                                                                     | Examiner Name          |              |                  |
|                                                                                                     | Attorney Docket Number |              | 011640-9081-US05 |

| Examiner Initial* | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------------|------------------|-------------------------------------------------|--------------------------------------------------------------------------|
|                   | 1       | 20090176629        |                        | 2009-07-09       | Yi                                              |                                                                          |
|                   | 2       | 20060205566        |                        | 2006-09-14       | Watterson et al.                                |                                                                          |
|                   | 3       | 20130035215        |                        | 2013-02-07       | Ashby et al.                                    |                                                                          |
|                   | 4       | 20150119202        |                        | 2015-04-30       | Hendrickson et al.                              |                                                                          |
|                   | 5       | 20130274066        |                        | 2013-10-17       | Ashby et al.                                    |                                                                          |
|                   | 6       | 20100016678        |                        | 2010-01-21       | Beck et al.                                     |                                                                          |
|                   | 7       | 20120040799        |                        | 2012-02-16       | Jaquish et al.                                  |                                                                          |
|                   | 8       | 20130143718        |                        | 2013-06-06       | Pani et al.                                     |                                                                          |
|                   | 9       | 20130211562        |                        | 2013-08-15       | Winter et al.                                   |                                                                          |
|                   | 10      | 20150238817        |                        | 2015-08-27       | Watterson et al.                                |                                                                          |

|                                                                                                     |                      |                  |            |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number   |                  |            |
|                                                                                                     | Filing Date          |                  | 2021-05-21 |
|                                                                                                     | First Named Inventor | Nathan Pyles     |            |
|                                                                                                     | Art Unit             |                  |            |
|                                                                                                     | Examiner Name        |                  |            |
| Attorney Docket Number                                                                              |                      | 011640-9081-US05 |            |

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| <b>FOREIGN PATENT DOCUMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          | Remove         |
| Examiner Initial*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cite No | Foreign Document Number <sup>3</sup>                                                                                                                                                                                                                            | Country Code <sup>2]</sup> | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1       |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          |                |
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| <b>NON-PATENT LITERATURE DOCUMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          | Remove         |
| Examiner Initials*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. |                            |                        |                  |                                                 |                                                                          | T <sup>5</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1       |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          |                |
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| <b>EXAMINER SIGNATURE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          |                |
| Examiner Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         | /SUNDHARA M GANESAN/                                                                                                                                                                                                                                            |                            |                        |                  | Date Considered                                 | 10/22/2021                                                               |                |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          |                |
| <sup>1</sup> See Kind Codes of USPTO Patent Documents at <a href="http://www.USPTO.GOV">www.USPTO.GOV</a> or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached. |         |                                                                                                                                                                                                                                                                 |                            |                        |                  |                                                 |                                                                          |                |

|                                                                                                     |                        |                  |            |
|-----------------------------------------------------------------------------------------------------|------------------------|------------------|------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                  |            |
|                                                                                                     | Filing Date            |                  | 2021-05-21 |
|                                                                                                     | First Named Inventor   | Nathan Pyles     |            |
|                                                                                                     | Art Unit               |                  |            |
|                                                                                                     | Examiner Name          |                  |            |
|                                                                                                     | Attorney Docket Number | 011640-9081-US05 |            |

### CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                   |                     |            |
|------------|-------------------|---------------------|------------|
| Signature  | /Aaron K. Nodolf/ | Date (YYYY-MM-DD)   | 2021-05-21 |
| Name/Print | Aaron K. Nodolf   | Registration Number | 62,081     |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 17/327,418         | 05/21/2021            | Nathan Pyles          | 011640-9081-US05       |

**CONFIRMATION NO. 3038**

## PUBLICATION NOTICE



\*OC000000128292963\*

23409  
MICHAEL BEST & FRIEDRICH LLP (Mke)  
790 N WATER ST  
SUITE 2500  
MILWAUKEE, WI 53202

**Title:**EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD

**Publication No.**US-2021-0279813-A1

**Publication Date:**09/09/2021

## NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at [www.uspto.gov](http://www.uspto.gov). The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at [www.uspto.gov](http://www.uspto.gov) using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <https://portal.uspto.gov/pair/PublicPair>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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| APPLICATION NO.                                                                                                    | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.             | CONFIRMATION NO.            |
|--------------------------------------------------------------------------------------------------------------------|-------------|----------------------|---------------------------------|-----------------------------|
| 17/327,418                                                                                                         | 05/21/2021  | Nathan Pyles         | 011640-9081-US05                | 3038                        |
| 23409 7590 07/21/2021<br>MICHAEL BEST & FRIEDRICH LLP (Mke)<br>790 N WATER ST<br>SUITE 2500<br>MILWAUKEE, WI 53202 |             |                      | EXAMINER<br>CENTRAL, DOCKET     |                             |
|                                                                                                                    |             |                      | ART UNIT<br>OPAP                | PAPER NUMBER                |
|                                                                                                                    |             |                      | NOTIFICATION DATE<br>07/21/2021 | DELIVERY MODE<br>ELECTRONIC |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mkeipdocket@michaelbest.com

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| <b><i>Decision Granting Request for Prioritized Examination (Track I)</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Application No.</b><br>17/327,418 | <b>Applicant(s)</b><br>Pyles, Nathan |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Examiner</b><br>DIANE C GOODWYN   | <b>Art Unit</b><br>OPET              | <b>AIA (FITF) Status</b><br>Yes |
| <p>1. THE REQUEST FILED <u>21 May 2021</u> IS <b>GRANTED</b> .</p> <p>The above-identified application has met the requirements for prioritized examination</p> <p>A. <input checked="" type="checkbox"/> for an original nonprovisional application (Track I).</p> <p>B. <input type="checkbox"/> for an application undergoing continued examination (RCE).</p> <p>2. <b>The above-identified application will undergo prioritized examination.</b> The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:</p> <p>A. filing a <b><u>petition for extension of time</u></b> to extend the time period for filing a reply;</p> <p>B. filing an <b><u>amendment to amend the application to contain more than four independent claims, more than thirty total claims</u></b>, or a multiple dependent claim;</p> <p>C. filing a <b><u>request for continued examination</u></b> ;</p> <p>D. filing a notice of appeal;</p> <p>E. filing a request for suspension of action;</p> <p>F. mailing of a notice of allowance;</p> <p>G. mailing of a final Office action;</p> <p>H. completion of examination as defined in 37 CFR 41.102; or</p> <p>I. abandonment of the application.</p> <p>Telephone inquiries with regard to this decision should be directed to DIANE GOODWYN at (571) 272-6735. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.</p> |                                      |                                      |                                 |
| /DIANE C GOODWYN/<br>Paralegal Specialist, OPET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |                                 |



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| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO  | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|------------------|------------|------------|
| 17/327,418            | 05/21/2021               | 3784            | 1820          | 011640-9081-US05 | 20         | 3          |

CONFIRMATION NO. 3038

## FILING RECEIPT



23409  
MICHAEL BEST & FRIEDRICH LLP (Mke)  
790 N WATER ST  
SUITE 2500  
MILWAUKEE, WI 53202

Date Mailed: 06/01/2021

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

**Please verify the accuracy of the data presented on this receipt.** If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

### Inventor(s)

Nathan Pyles, Lake Mills, WI;

### Applicant(s)

JOHNSON HEALTH TECH CO., LTD, Daya District, TAIWAN;

**Power of Attorney:** The patent practitioners associated with Customer Number 23409

### Domestic Priority data as claimed by applicant

This application is a CON of 17/026,847 09/21/2020  
which is a CON of 16/043,925 07/24/2018 PAT 10796375  
which is a CON of 14/983,171 12/29/2015 PAT 10032227  
which claims benefit of 62/098,309 12/30/2014

**Foreign Applications** for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

*Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.*

**Permission to Access Application via Priority Document Exchange:** Yes

**Permission to Access Search Results:** Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

**If Required, Foreign Filing License Granted:** 05/28/2021

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/327,418**

**Projected Publication Date:** 09/09/2021

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD

**Preliminary Class**

482

**Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications:** No

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b><br>Substitute for Form PTO-875                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                               |                                  |          |                                    |               | Application or Docket Number<br>17/327,418 |                    |                               |                 |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|------------------------------------|---------------|--------------------------------------------|--------------------|-------------------------------|-----------------|--------------------|
| <b>APPLICATION AS FILED - PART I</b>                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                               | (Column 2)                       |          | SMALL ENTITY                       |               | OR<br>OTHER THAN SMALL ENTITY              |                    |                               |                 |                    |
| FOR                                                                                                                                                                                                                                                                                                                                                                                                        | NUMBER FILED                                                                                                                                                                                                                  | NUMBER EXTRA                     | RATE(\$) | FEE(\$)                            |               | RATE(\$)                                   | FEE(\$)            |                               |                 |                    |
| BASIC FEE<br><small>(37 CFR 1.16(a), (b), or (c))</small>                                                                                                                                                                                                                                                                                                                                                  | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 320                |                               |                 |                    |
| SEARCH FEE<br><small>(37 CFR 1.16(k), (l), or (m))</small>                                                                                                                                                                                                                                                                                                                                                 | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 700                |                               |                 |                    |
| EXAMINATION FEE<br><small>(37 CFR 1.16(o), (p), or (q))</small>                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 800                |                               |                 |                    |
| TOTAL CLAIMS<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                                                                                                                                                                                            | 20                                                                                                                                                                                                                            | minus 20 = *                     |          |                                    |               | x 100 =                                    | 0.00               |                               |                 |                    |
| INDEPENDENT CLAIMS<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                                                                                                                                                                                      | 3                                                                                                                                                                                                                             | minus 3 = *                      |          |                                    |               | x 480 =                                    | 0.00               |                               |                 |                    |
| APPLICATION SIZE FEE<br><small>(37 CFR 1.16(s))</small>                                                                                                                                                                                                                                                                                                                                                    | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                                  |          |                                    |               |                                            | 0.00               |                               |                 |                    |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            | 0.00               |                               |                 |                    |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                               |                                  | TOTAL    |                                    |               | TOTAL                                      | 1820               |                               |                 |                    |
| <b>APPLICATION AS AMENDED - PART II</b>                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                               | (Column 2)                       |          | (Column 3)                         |               | SMALL ENTITY                               |                    | OR<br>OTHER THAN SMALL ENTITY |                 |                    |
| AMENDMENT A                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                               | RATE(\$)        | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Total<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                      | *                                | Minus    | **                                 | =             | x                                          | =                  |                               | x               | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Independent<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                | *                                | Minus    | ***                                | =             | x                                          | =                  |                               | x               | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                                         |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
| TOTAL ADD'L FEE                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               | TOTAL ADD'L FEE |                    |
| AMENDMENT B                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                               | RATE(\$)        | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Total<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                      | *                                | Minus    | **                                 | =             | x                                          | =                  |                               | x               | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Independent<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                | *                                | Minus    | ***                                | =             | x                                          | =                  |                               | x               | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                                         |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               |                 |                    |
| TOTAL ADD'L FEE                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               | TOTAL ADD'L FEE |                    |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.<br>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".<br>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".<br>The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1. |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                               |                 |                    |

## TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| Application Number     |                                                                                    |
| Filing Date            | May 21, 2021                                                                       |
| First Named Inventor   | Nathan Pyles                                                                       |
| Title                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION<br>FUNCTION AND VERIFYING METHOD |
| Art Unit               |                                                                                    |
| Examiner Name          |                                                                                    |
| Attorney Docket Number | 011640-9081-US05                                                                   |

### SIGNATURE of Applicant or Patent Practitioner

|                                                    |                   |                     |            |
|----------------------------------------------------|-------------------|---------------------|------------|
| Signature                                          | /Aaron K. Nodolf/ | Date (Optional)     | 05/21/2021 |
| Name                                               | Aaron K. Nodolf   | Registration Number | 62081      |
| Title (if Applicant is a juristic entity)          |                   |                     |            |
| Applicant Name (if Applicant is a juristic entity) |                   |                     |            |

**NOTE:** This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

Doc Code: PA..  
Document Description: Power of Attorney

PTO/AIA/82B (07-13)  
Approved for use through 11/30/2014. OMB 0851-0051  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
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## POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

|                    |             |
|--------------------|-------------|
| Application Number | Filing Date |
|                    |             |

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

OR

23409

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|-----------|---------------------------------------------------------------|-----------------|----------------|
| Signature | <i>Liao Hong Mao</i>                                          | Date (Optional) | <i>11/2/15</i> |
| Name      | JOHNSON HEALTH TECH CO., LTD                                  |                 |                |
| Title     | <i>Chief R&amp;D officer of Johnson Health Tech Co., Ltd.</i> |                 |                |

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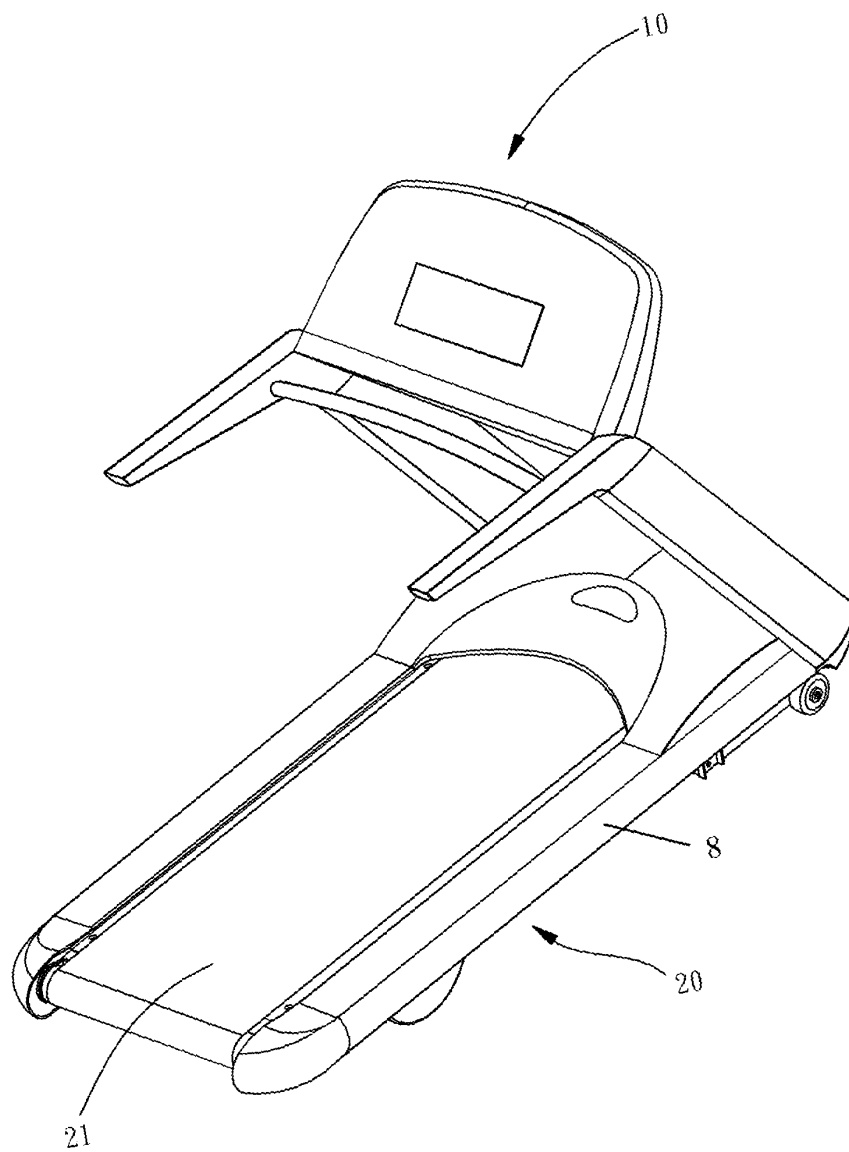


FIG. 1

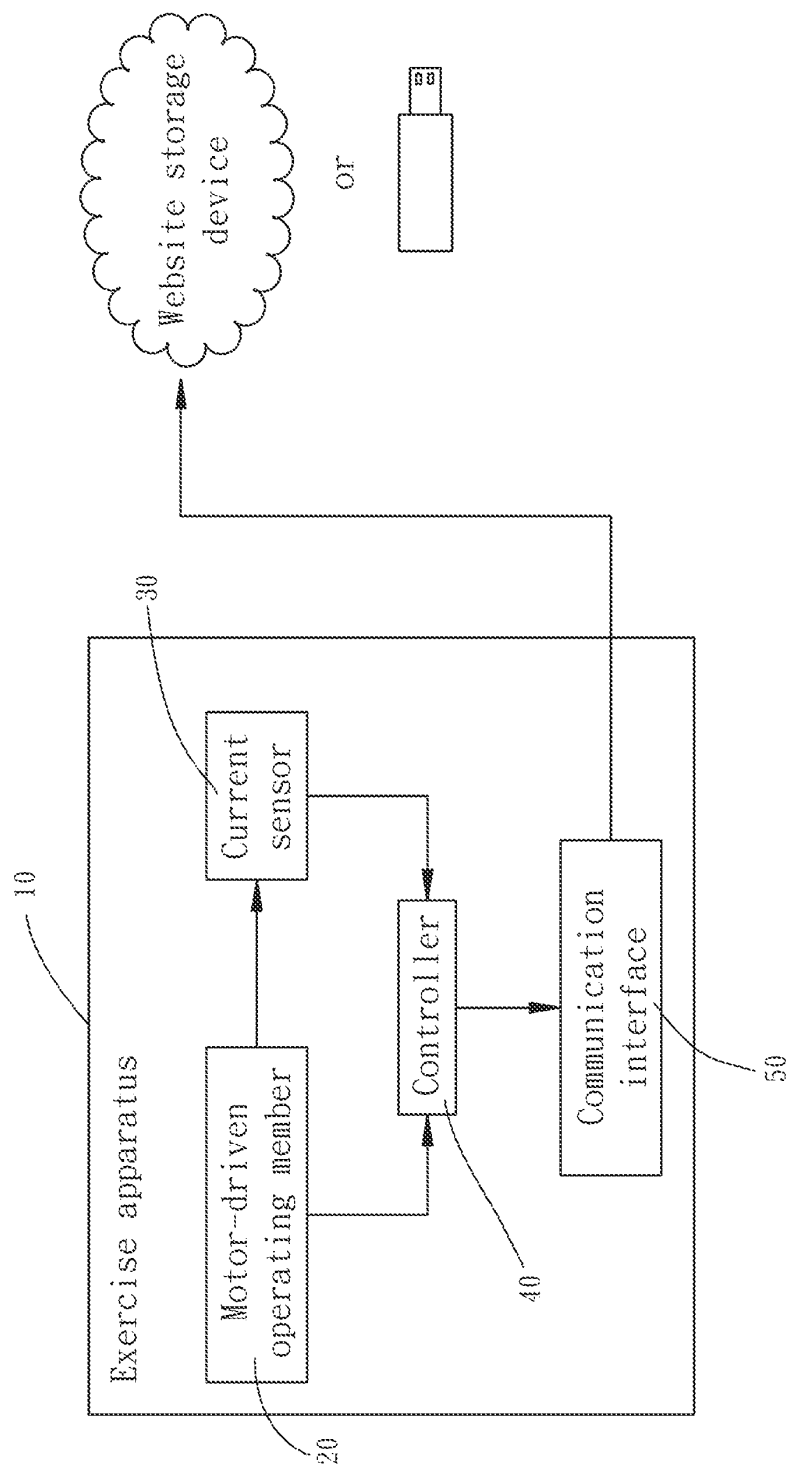


FIG. 2

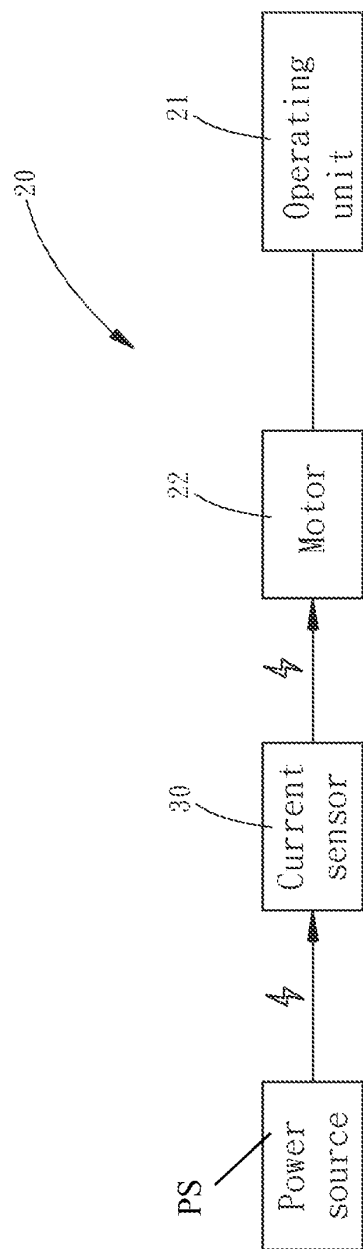


FIG. 3

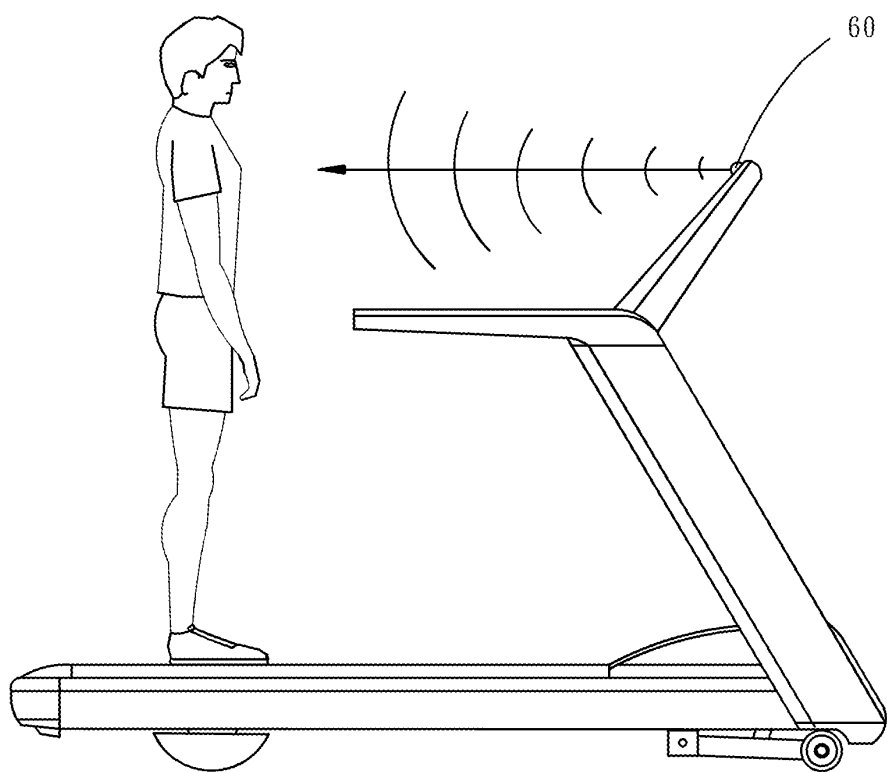


FIG. 4

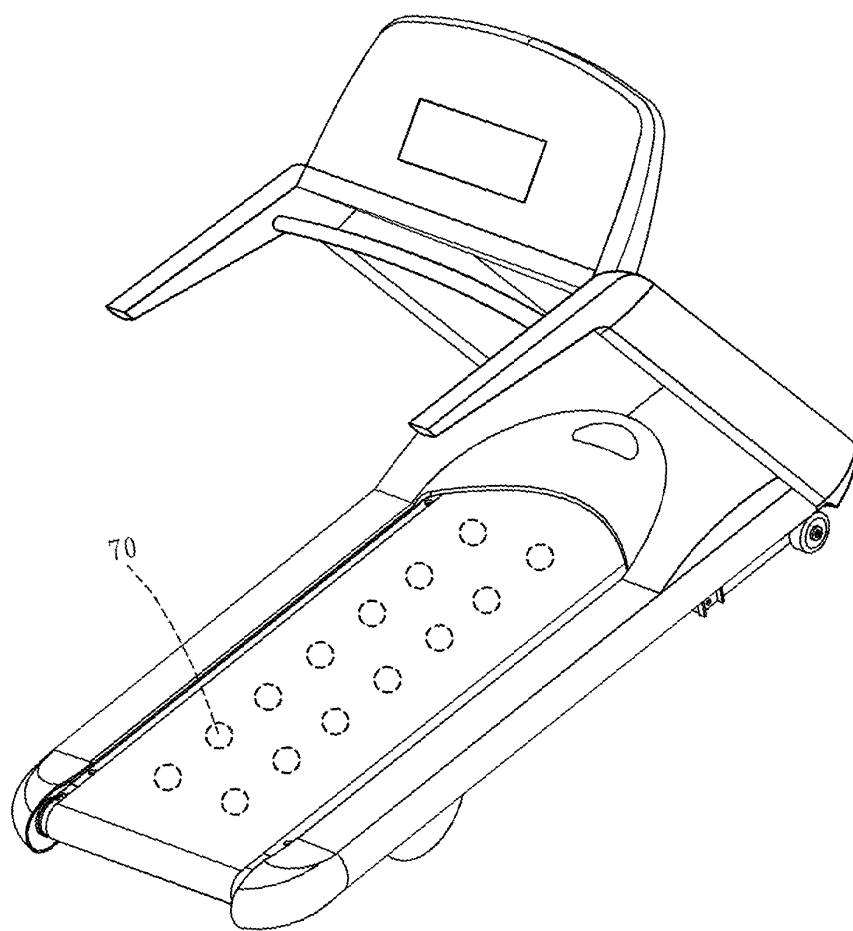


FIG. 5

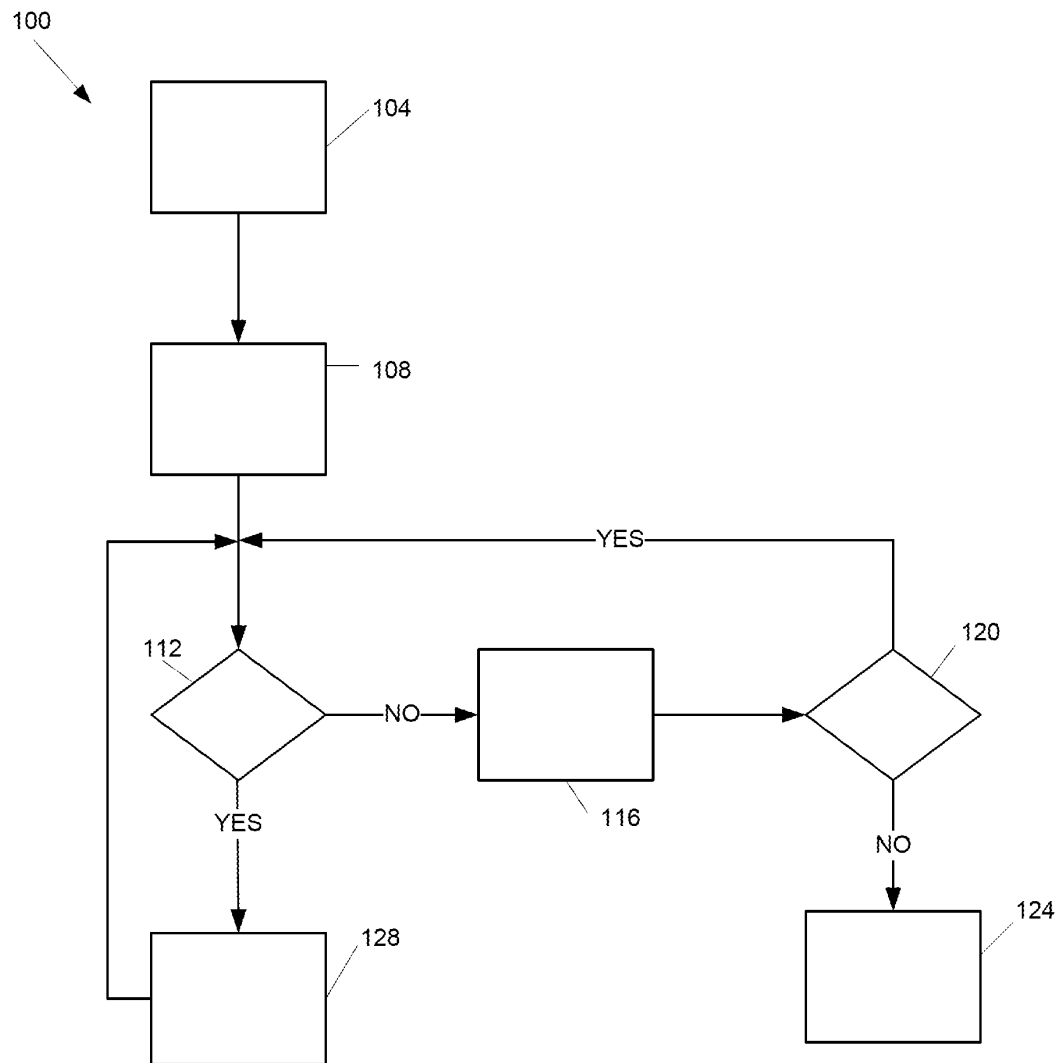


**FIG. 6**

## ABSTRACT

An exercise apparatus includes a base, an operating unit that is movable relative to the base, and a motor that is coupled to the operating unit. The exercise apparatus also includes a sensor that is operable to detect engagement of a user with the operating unit, and a controller that is in communication with the operating unit and the sensor. The controller can generate validated exercise use data in response to the sensor detecting engagement of the user with the operating unit and movement of the operating unit relative to the base.

## CLAIMS

1. An exercise apparatus comprising:
  - a base;
  - an operating unit movable relative to the base;
  - a motor coupled to the operating unit;
  - a sensor operable to detect engagement of a user with the operating unit;
  - a controller in communication with the operating unit and the sensor, the controller configured to generate validated exercise use data in response to the sensor detecting engagement of the user with the operating unit and movement of the operating unit relative to the base.
2. The exercise apparatus of claim 1, wherein the controller is further configured to generate non-validated exercise use data in response to the sensor detecting the user not engaged with the operating unit and movement of the operating unit relative to the base.
3. The exercise apparatus of claim 2, wherein on startup of the motor and movement of the operating unit relative to the base, the controller is configured to generate the non-validated exercise use data, and wherein the controller is further configured to record the non-validated exercise use data as validated exercise use data in response to the sensor detecting engagement of the user with the operating unit.
4. The exercise apparatus of claim 1, wherein the validated exercise use data includes an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating unit during movement of the operating unit relative to the base.
5. The exercise apparatus of claim 1, wherein the validated exercise use data includes a distance traveled by the user, wherein the distance traveled is defined while the sensor detects engagement of the user with the operating member.
6. The exercise apparatus of claim 1, wherein the controller is further configured to record the validated exercise use data in response to the sensor detecting engagement of the user with the operating unit.

7. The exercise apparatus of claim 1, wherein the controller is configured to establish communication with a remote location, and wherein the controller is configured to maintain communication between the exercise apparatus and the remote location while the user is determined by the controller not to be engaged with the operating member.
8. An exercise apparatus comprising:
  - a motor;
  - an operating member driven by the motor;
  - a sensor operable to detect engagement of a user with the operating member;
  - a controller in communication with the operating member and the sensor; and
  - a communication interface in communication with the controller,wherein the controller is configured to determine whether the user is engaged with the operating member in response to a signal from the sensor and movement of the operating member,
  - wherein the controller is configured to report exercise use data to the communication interface in response to the controller determining that the user is engaged with the operating member.
9. The exercise apparatus of claim 8, wherein the controller is configured to stop reporting the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member and the operating member is driven by the motor.
10. The exercise apparatus of claim 8, wherein the controller is in communication with the communication interface while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.
11. The exercise apparatus of claim 10, wherein the communication interface is in communication with a remote storage device while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.

12. The exercise apparatus of claim 8, wherein the controller is configured to report the exercise use data to the communication interface only in response to the controller determining that the user is engaged with the operating member and the operating member is being driven by the motor.

13. A method of verifying the use of an exercise apparatus, the method comprising:  
operating an operating member driven by a motor;  
generating exercise use data in response to operating the operating member;  
receiving, at a controller, sensor data from a sensor;  
comparing, at the controller, the sensor data with a known data parameter that is indicative of a user not engaging the operating member; and  
reporting, by the controller, the exercise use data to a communication interface in response to the comparison step indicating that the user is engaged with the operating member.

14. The method of claim 13, further comprising ceasing reporting of the exercise use data to the communication interface in response to the controller determining that the user is not engaged with the operating member while the operating member is driven by the motor.

15. The method of claim 13, further comprising generate the exercise use data in response to the determination that the user is engaged with the operating member and in response to the determination that the user is not engaged with the operating member while the operating member is being driven by the motor.

16. The method of claim 13, further comprising reporting, by the controller, the exercise use data to the communication interface only in response to the controller determining that the user is engaged with the operating member.

17. The method of claim 13, further comprising determining, by the controller, an amount of user exercise time defined by a duration that the sensor detects engagement of the user with the operating member during movement of the operating member.

18. The method of claim 13, wherein the known data parameter is recognized by the controller during operational use of the operating member.

19. The method of claim 13, wherein the reported exercise use data is defined as validated exercise use data.

20. The method of claim 13, further comprising connecting the exercise apparatus with a remote location, communicating the exercise use data to the remote location, and maintaining communication between the exercise apparatus and an remote location while the operating member is driven by the motor and the user is determined by the controller not to be engaged with the operating member.

## **EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD**

### **CROSS-REFERENCE TO RELATED APPLICATIONS**

**[0001]** This application is a continuation of U.S. Application No. 17/026,847, filed September 21, 2020, which is a continuation of U.S. Application No. 16/043,925, filed on July 24, 2018, now U.S. Patent No. 10,796,375, which is a continuation of U.S. Application No. 14/983,171, filed on December 29, 2015, now U.S. Patent No. 10,032,227, which claims priority to U.S. Provisional Patent Application No. 62/098,309, filed December 30, 2014, of which the entire contents of all are incorporated herein by reference.

### **BACKGROUND**

**[0002]** The present disclosure relates to an exercise apparatus. More particularly, the present disclosure relates to an exercise apparatus with exercise use verification function and verifying method.

**[0003]** Some insurance companies often give their customers a choice of paying more or proving that they regularly exercise. Clearly, if the customers demonstrate measurable healthy habits, including proof of regular exercise, the insurance companies can often pay less money toward insurance payouts, and can then pass a portion of these savings onto their customers. Under this arrangement, the insurance companies would encourage their customers to regularly exercise and keep healthy. In this situation, the customers stay healthy, there are fewer expensive insurance payouts due to poor health, and it is more profitable for the insurance companies. In order to demonstrate beneficial exercise habits of an insurance customer to their insurance company, a conventional exercise apparatus with an exercise use data reporting function (such as the embodiments disclosed in U.S. Pat. No. 8,287,434 and U.S. Pat. No. 6,638,198) comes to the world.

**[0004]** U.S. Pat. No. 8,287,434 and U.S. Pat. No. 6,638,198 both disclose a conventional exercise apparatus that can provide exercise use data therefrom for a user. The exercise use data would represent an exercise amount of the user. The user could demonstrate his (or her) exercise

habit and exercise use to their insurance company, via this data. The conventional exercise apparatus comprises an operating member and a controller associated with the operating member. When the user drives the operating member to operate the exercise apparatus, the controller associated with the operating member creates exercise use data. Thereafter, the controller records the exercise use data and reports the exercise use data to the user. The user could use this exercise use data to demonstrate his (or her) exercise habit. Provided with this exercise use data, the user's insurance company may then offer discounts to the user.

**[0005]** Currently, exercise use data is restricted to exercise apparatus with a user-driven operating member, which is driven by the user to operate the exercise apparatus. Examples of a user-driven operating member of an exercise apparatus would be a stationary bike operating member (a crank shaft, driven by the bike pedals) or an elliptical trainer operating member (a crank shaft, driven by the elliptical pedals and linkage system). Currently, if the controller is set to record exercise use data on an exercise apparatus with motor-driven operating member, such as a treadmill operating member (a motor driven running belt) or a stairclimber operating member (a motor driven staircase), it would be easy to falsify exercise use data on the exercise apparatus. The user could just turn on a motor-driven operating member of an exercise apparatus, without actually using the exercise apparatus, and let a controller associated with the operating member create exercise use data. A specific example would be a user turning on a motorized treadmill, causing the running belt to move, and letting the treadmill run until the treadmill controller had recorded a large distance traveled by the running belt. The user would not need to be present on the treadmill, and yet the treadmill controller would record exercise use data. As a result, the controller thereof would record the exercise use data which is faked. To avoid this, manufactures have, to date, reported only exercise use data associated with user-driven operating members to insurance companies, because the faked exercise use data shouldn't represent the exercise habit or amount of user exercise to the insurance companies. In other words, exercise apparatus with motor-driven operating members currently on the market wouldn't help the user to demonstrate his (or her) exercise habits to an insurance company. Therefore, if one buys an exercise apparatus with a motor-driven operating member, he (or she) couldn't demonstrate his (or her) exercise habits via the exercise apparatus, because there is a question as to the validity of this exercise use data.

## SUMMARY

**[0006]** The present invention has arisen to mitigate and/or obviate the disadvantages of the conventional exercise apparatus. Further benefits and advantages of the present invention will become apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

**[0007]** The present invention involves an exercise apparatus with exercise use verification function and a verifying method. Generally speaking, the exercise apparatus with exercise use verification function is to verify an exercise use thereof, and the verifying method is to verify an exercise use of an exercise apparatus. Therefore, for example, a user could demonstrate his (or her) exercise habit to their insurance company.

**[0008]** The invention provides, in one aspect, an exercise apparatus that includes a base, an operating unit movable relative to the base, a motor coupled to the operating unit, a sensor operable to detect engagement of a user with the operating unit, and a controller in communication with the operating unit and the sensor. A communication interface is in communication with the controller, wherein the controller is configured to generate a non-validated exercise use data in response to movement of the operating unit relative to the base and the sensor does not detect engagement of the user with the operating unit, wherein the controller is further configured to generate a validated exercise use data in response to movement of the operating unit relative to the base and the sensor does detect engagement of the user with the operating unit, and wherein the controller transmits the validated exercise use data to the communication interface.

**[0009]** The invention provides, in another aspect, a method of verifying the use of an exercise apparatus that includes operating a motor-driven operating member, generating a non-validated exercise use data in response to operating the motor-driven operating member, detecting engagement of the motor-driven operating member by a user, recording the non-validated exercise use data as validated exercise use data for a portion of time in response to detecting engagement of the motor-driven operating member by the user, and reporting the validated exercise use data to a communication interface.

**[0010]** The invention provides, in yet another aspect, a motorized treadmill that includes a base, an endless belt movable relative to the base, a motor operably coupled to the endless belt, a sensor configured to detect engagement of the endless belt by a user, and a controller configured to record validated exercise use data in response to the sensor detecting of engagement of the endless belt by the user, the validated exercise data including an amount of user exercise time, the amount of user exercise time being generated by an amount of time that the sensor detects engagement of the endless belt by the user.

**[0011]** The invention provides, in yet another aspect, an exercise apparatus including a base, an operating unit that is movable relative to the base, and a motor that is coupled to the operating unit. The exercise apparatus also includes a sensor that is operable to detect engagement of a user with the operating unit, and a controller that is in communication with the operating unit and the sensor. The controller generates validated exercise use data in response to the sensor detecting engagement of the user with the operating unit and movement of the operating unit relative to the base.

**[0012]** The invention provides, in yet another aspect, an exercise apparatus including a motor, an operating member that is driven by the motor, and a sensor that is operable to detect engagement of a user with the operating member. The exercise apparatus also includes a controller that is in communication with the operating member and the sensor, and a communication interface in communication with the controller. The controller determines whether the user is engaged with the operating member in response to a signal from the sensor and movement of the operating member, and the controller reports exercise use data to the communication interface in response to the controller determining that the user is engaged with the operating member.

**[0013]** The invention provides, in yet another aspect, a method of verifying the use of an exercise apparatus. The method includes operating an operating member driven by a motor, generating exercise use data in response to operating the operating member, receiving, at a controller, sensor data from a sensor, comparing, at the controller, the sensor data with a known data parameter that is indicative of a user not engaging the operating member, and reporting, by

the controller, the exercise use data to a communication interface in response to the comparison step indicating that the user is engaged with the operating member.

**[0014]** The reader is advised that this summary is not meant to be exhaustive. Further features, aspects, and advantages of the present invention will become better understood with reference to the following description, accompanying drawings and appended claims.

**[0015]** Further benefits and advantages of the present invention will become apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

#### BRIEF DESCRIPTION OF THE DRAWINGS

**[0016]** Fig. 1 is a perspective view of an exercise device embodying the present invention.

**[0017]** Fig. 2 is a schematic drawing of the exercise device and a data storage embodying the present invention.

**[0018]** Fig. 3 is a schematic drawing of a motor-driven operating member and a power source embodying the present invention.

**[0019]** Fig. 4 is a side view of a second embodiment of the present invention.

**[0020]** Fig. 5 is a perspective view of a third embodiment of the present invention.

**[0021]** Fig. 6 is a flow diagram of an embodiment of an exercise use verification application that verifies use of the exercise device.

#### DETAILED DESCRIPTION

**[0022]** In the following detailed description, for purposes of explanation, numerous specific details are set forth in order to provide a thorough understanding of the disclosed embodiments. It will be apparent, however, that one or more embodiments may be practiced without these specific details. In other instances, well-known structures and devices are schematically depicted in order to simplify the drawings.

**[0023]** Figs. 1-2 illustrate an exercise apparatus 10 with an exercise use verification function. The exercise apparatus 10 comprises a base 8, a motor-driven operating member 20, a current sensor 30, a controller 40 associated with the motor-driven operating member 20 and the current sensor 30, and a communication interface 50 associated with the controller 40. Examples of an exercise apparatus can include a motorized treadmill (the embodiment of the present invention as shown in Fig. 1), a motorized stairclimber, or any other suitable types of motorized exercise equipment. In the embodiment illustrated in Fig. 1, the motor-driven operating member 20 includes an endless belt. It should be appreciated that the endless belt is provided for purposes of illustration, and the motor-driven operating member can be any suitable operating unit or operating member that a user of the exercise apparatus engages, contacts, or otherwise uses to perform the exercise. As an additional, non-limiting example of the motor-driven operating member, the exercise apparatus 10 can be a motorized stairclimber with the motor-driven operating member being a moving staircase.

**[0024]** Referring to Figs. 2-3, the motor-driven operating member 20 has an operating unit 21 (e.g., an endless belt, a staircase, etc.) and a motor 22. The motor 22 is structurally coupled to the operating unit 21 at one portion thereof. The motor 22 is electrically connected to a power source PS, such as an AC power socket, via a wire. The power source PS transmits an input current into the motor 22 via the wire so as to power the motor 22 to drive the operating unit 21. The current sensor 30 is associated with the motor 22 by being positioned between the motor 22 and the power source PS. The current sensor 30 is configured to detect the input current in the wire, and generate a current signal proportional to the input current (the detail of the current sensor, such as how to detect electrical current in a wire or generate a signal, is well-known and will not be further described here).

**[0025]** The controller 40 is operable to receive data according to operation of the motor-driven operating member 20, and further operable to process the data. In the illustrated embodiment, the controller 40 includes a microcontroller unit, at least one electronic circuit, and at least one circuit board. The microcontroller unit and the electronic circuit are assembled on the circuit board so as to define a controller assembly. In other embodiments, the controller 40 can be a computer processing system that includes a hardware assembly, a software assembly, and/or a firmware assembly. The hardware assembly of the controller 40 can include a processor that is

in communication with a computer readable storage medium. The computer readable storage medium can be any suitable data storage device that can store data that can be thereafter accessed and read by the controller (or components thereof) or a separate computing system. Examples of computer readable storage medium can include, but is not limited to, read-only memory, CD-ROM, CD-R, CD-RW, DVD, DVD-RW, magnetic tapes, Universal Serial Bus (USB) flash drive, or any other optical or other suitable data storage device.

**[0026]** As illustrated in FIG. 2, the controller 40 is in communication with the motor-driven operating member 20 and the current sensor 30. In addition, the current sensor 30 is in communication with the motor-driven operating member 20. The controller 40 is in communication with the communication interface 50. The communication between components can be by any suitable wired connection (e.g., a bus wire, etc.), any suitable wireless connection (e.g., Bluetooth, Wi-Fi, etc.), or a combination of suitable wired and wireless connections. The communication interface 50 facilitates transmission or communication of exercise use data (validated and/or unvalidated) from the exercise apparatus 10 for distribution. The communication interface 50 is discussed in additional detail below.

**[0027]** In operation, the current signal is transmitted from the current sensor 30 to the controller 40. Consequently, the controller 40 can continue to monitor a state of the input current. Specifically, if a user gets on the operating unit 21 during operation of the motor-driven operating member 20 (e.g., the endless belt illustrated in Fig. 1), the motor 22 will draw more current because the operating unit 21 undertakes the user footfall and needs more driving power from the motor 22 to keep regularly operating. Therefore, the current sensor 30 will detect whether or not the user is engaging the motor-driven operating member 20 by detecting a current change of the input current that is caused by the user footfall. Thereafter, the current sensor 30 transmits the current signal proportional to the input current to the controller 40, so that the controller 40 can further determine, via the current signal, whether or not the user is engaging (or continues to engage, or ceases to engage) the motor-driven operating member 20.

**[0028]** Referring back to the first embodiment of Figs. 1-3, if the operating unit 21 is driven by the motor 22, the controller 40 creates a non-validated exercise use data according to operation of the motor-driven operating member 20. Simultaneously, the current sensor 30

detects the input current in the wire to the motor 22 so as to detect whether or not a user is engaging the motor-driven operating member 20, and generates a current signal proportional to the input current. Then, the current signal is transmitted from the current sensor 30 to the controller 40. In order to determine whether or not a user is engaging the motor-driven operating member, the controller 40 analyzes fluctuations in the input current. Fluctuations occur when a user is using the exercise apparatus 10 due to the user's foot contacting the operating unit 21 and briefly causing a change in resistance to movement of the operating unit 21. This change in resistance is met by a change in input current to the motor 22. The controller 40 can be programmed to analyze the amplitude and frequency of any fluctuations in order to determine whether or not a user is using the exercise apparatus. Such an analysis can be tailored to distinguish user-induced fluctuations from fluctuations caused by other factors, such as belt or roller imbalance. The user-induced fluctuations sensed when a user is using the exercise apparatus 10 would not be sensed when a user is not using the exercise apparatus 10.

**[0029]** For example, the controller 40 can be programmed to detect that a user is engaging the operating member 20 if fluctuations of the input current are at least 5% and are at a frequency of between 80/minute and 250/minute. The parameters will vary depending on the exercise apparatus, and can be chosen to distinguish from normal fluctuations in the motor, transmission, and belt.

**[0030]** Although a sensor that is configured to detect whether or not a user is engagement with the motor-driven operating member is illustrated in the embodiment of FIGS. 1-3 as the current sensor 30, in other embodiments other sensors can be implemented. For example, in other embodiments the sensor for detecting user engagement of the motor-driven operating member can be an optical sensor 60 that senses a level of IR radiation (see Fig. 4), a pressure sensor 70 that senses (or detect) an amount of pressure on the running belt (see Fig. 5), a speed sensor that senses fluctuations in speed of the operating unit, a thermal sensor that senses a level of heat (i.e., from a human body) on or near the motor-driven operating member, or any other suitable sensor. In each of these cases, the measured parameter can be compared to a default parameter that exists when a user is not engaging the motor-driven operating member. The detail of these sensing devices is well-known and will not be further described here.

**[0031]** If the user is not detected as engaging the motor-driven operating member 20, the controller 40 keeps creating non-validated exercise use data and monitoring the state of the input current in the wire to the motor 22. In contrast, if the user is detected as engaging the motor-driven operating member 20, the controller 40 records the non-validated exercise use data as validated exercise use data. Finally, the validated exercise use data is reported from the controller 40 to the communication interface 50. The validated exercise use data can further include an amount of time (or portion of time or accrued amount of time) the user is detected as engaging the motor-driven operating member 20 (i.e., the amount of time the user spends exercising), which can be based on a timer or other timing device that measures the amount of time the user is detected as engaging the motor-driven operating member 20. In addition, or alternatively, the validated exercise use data can include a distance traveled (or an equivalent distance traveled) by the user while the user is detected as engaging the motor-driven operating member 20 (i.e., the distance traveled by the user while exercising).

**[0032]** The communication interface 50 can communicate the exercise use data (e.g., validated and/or unvalidated exercise use data) to an interested third party (e.g., a physician, a medical provider, etc.), a demander (e.g., an insurance company, an insurance provider, etc.), and/or the user. For example, the communication interface 50 can be a display device, such as a screen of a console positioned on a portion of the exercise apparatus 10. The screen can be configured to display the validated exercise use data to the user. The user is then free to view and/or document (e.g., write down, etc.) the validated exercise use data so as to present it to the interested third party and/or demander. In this way, the validated exercise use data is substantially shown as a multimedia content, such as a media image and/or a sound. As another example, the communication interface 50 is configured to output the exercise use data to an outside storage device such as a flash drive, a disk rewriter, or a website storage device by a communication link. The communication link can be a port (or plug) that is configured to receive a computer readable storage medium (e.g., a USB flash drive, etc.). The validated exercise use data is substantially packaged in a computer file that can be accessed or processed to show the validated exercise use data as a multimedia content, such as the media image and/or the sound. Additionally or otherwise, the communication link can be a wired connection (e.g., a USB connection, a CAT-5 connection, etc.) or a wireless connection (e.g., an Internet interface, Wi-Fi, Bluetooth, etc.). In this way, the port (or plug) is replaced with (or can also further include) a

wired and/or wireless communication module, and the outside storage device has a further corresponding wired and/or wireless communication module. The validated exercise use data can then be transmitted from the communication module of the exercise apparatus 10 to the communication module of the outside storage device (by the wired and/or wireless connection). In the illustrated embodiment shown in Figs. 1-3, the communication interface 50 is illustrated as an Internet interface, such as a Wi-Fi internet module or an internet port. It should be appreciated that the outside storage device can be a web or Internet based storage device, such as a web based database. This allows for the communication of validated exercise use data to the interested third party or demander by via wireless internet connection or wired internet connection. Therefore, the user does not need to manually present the validated exercise use data to the interested third party or demander. In other examples of embodiments, the communication interface 50 can be programmed or incorporated into the controller 40 such that the controller 40 performs the functions associated with the communication interface 50 as described herein.

**[0033]** FIG. 6 illustrates an example of an exercise use verification application 100 that uses data acquired from the motor-driven operating member 20 to monitor and verify that a user is using the exercise equipment. The application 100 can be a module that operates on (or is associated with) the controller 40. The application 100 may be distributed and stored on the controller 40, and/or can be accessible from a remote location, such as through a web portal, web site, local area network, or generally over the Internet. The exercise use verification application 100 includes a series of processing instructions or steps that are depicted in flow diagram form.

**[0034]** Referring to FIG. 6, the process begins at step 104, where the exercise apparatus 10 is powered on and in an operational state. The application 100 is initiated, for example, by an interlock with the motor 22 such that when the motor 22 is in an operational state, the application 100 is also operational.

**[0035]** Next, at step 108 the controller 40 receives data from the sensor configured to detect user engagement with the exercise apparatus 10. For example, the controller 40 receives data from the current sensor 30. In other embodiments, the controller 40 receives data from the optical sensor 60, the pressure sensor 70, the speed sensor, the thermal sensor, or the other suitable sensor.

**[0036]** Proceeding to step 112, the controller 40 analyzes the data from the sensor to detect whether a user is actively engaging the motor-driven operating member 20. For example, the controller 40 can analyze fluctuations in the input current from the current sensor 30, as described above. In addition, or alternatively, the controller 40 can compare the received data from the sensor to a known (or default or standard) data parameter that is indicative of a user not engaging the motor-driven operating member 20. The known data parameter can be preprogrammed into the controller, or recognized during operational use (e.g., operation of the motor-driven operating member 20 without a user). If the analysis results in a “no,” there is no user detected that is actively engaging the motor-driven operating member 20, the process proceeds to step 116. If the analysis results in a “yes,” there is a user detected that is actively engaging the motor-driven operating member 20, the process proceeds to step 128, the details of which are later described.

**[0037]** At step 116, the process generates non-validated exercise use data. This data can be locally stored, or communicated to an interested third party, a demander, and/or the user as discussed above. Next, at step 120, the process detects whether the motor 22 (or motor-driven operating member 20) continues to operate. If the process detects that “yes” the motor 22 continues to operate, the process returns to step 112 and repeats. If the process detects that “no” the motor 22 does not continue to operate, which is indicative of the exercise apparatus 10 no longer operating, the process terminates at step 124.

**[0038]** At step 128, the process generates validated exercise use data. More specifically, the controller can record (or otherwise identify) the non-validated exercise use data as validated exercise use data. The validated exercise use data can be locally stored or communicated to an interested third party, a demander, and/or the user as discussed above. The process returns to step 112 and repeats.

**[0039]** It will be apparent to those skilled in the art that various modifications and variations can be made to the structure of the present invention without departing from the scope or spirit of the invention. In view of the foregoing, it is intended that the present invention cover modifications and variations of this invention provided they fall within the scope of the following claims and their equivalents.

| Electronic Patent Application Fee Transmittal                                                           |          |                                                                                 |        |                      |
|---------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------|--------|----------------------|
| <b>Application Number:</b>                                                                              |          |                                                                                 |        |                      |
| <b>Filing Date:</b>                                                                                     |          |                                                                                 |        |                      |
| <b>Title of Invention:</b>                                                                              |          | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |        |                      |
| <b>First Named Inventor/Applicant Name:</b>                                                             |          | Nathan Pyles                                                                    |        |                      |
| <b>Filer:</b>                                                                                           |          | Aaron K. Nodolf/Tanya Parent                                                    |        |                      |
| <b>Attorney Docket Number:</b>                                                                          |          | 011640-9081-US05                                                                |        |                      |
| Filed as Large Entity                                                                                   |          |                                                                                 |        |                      |
| <b>Filing Fees for Track I Prioritized Examination - Nonprovisional Application under 35 USC 111(a)</b> |          |                                                                                 |        |                      |
| Description                                                                                             | Fee Code | Quantity                                                                        | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                                                                                    |          |                                                                                 |        |                      |
| UTILITY APPLICATION FILING                                                                              | 1011     | 1                                                                               | 320    | 320                  |
| UTILITY SEARCH FEE                                                                                      | 1111     | 1                                                                               | 700    | 700                  |
| UTILITY EXAMINATION FEE                                                                                 | 1311     | 1                                                                               | 800    | 800                  |
| REQUEST FOR PRIORITIZED EXAMINATION                                                                     | 1817     | 1                                                                               | 4200   | 4200                 |
| <b>Pages:</b>                                                                                           |          |                                                                                 |        |                      |
| <b>Claims:</b>                                                                                          |          |                                                                                 |        |                      |
| <b>Miscellaneous-Filing:</b>                                                                            |          |                                                                                 |        |                      |

| <b>Description</b>                       | <b>Fee Code</b> | <b>Quantity</b> | <b>Amount</b> | <b>Sub-Total in USD(\$)</b> |
|------------------------------------------|-----------------|-----------------|---------------|-----------------------------|
| PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL   | 1504            | 1               | 0             | 0                           |
| PROCESSING FEE, EXCEPT PROV. APPLS.      | 1830            | 1               | 140           | 140                         |
| <b>Petition:</b>                         |                 |                 |               |                             |
| <b>Patent-Appeals-and-Interference:</b>  |                 |                 |               |                             |
| <b>Post-Allowance-and-Post-Issuance:</b> |                 |                 |               |                             |
| <b>Extension-of-Time:</b>                |                 |                 |               |                             |
| <b>Miscellaneous:</b>                    |                 |                 |               |                             |
| <b>Total in USD (\$)</b>                 |                 |                 |               | <b>6160</b>                 |

| Electronic Acknowledgement Receipt          |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| <b>EFS ID:</b>                              | 42791011                                                                        |
| <b>Application Number:</b>                  | 17327418                                                                        |
| <b>International Application Number:</b>    |                                                                                 |
| <b>Confirmation Number:</b>                 | 3038                                                                            |
| <b>Title of Invention:</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |
| <b>First Named Inventor/Applicant Name:</b> | Nathan Pyles                                                                    |
| <b>Customer Number:</b>                     | 23409                                                                           |
| <b>Filer:</b>                               | Aaron K. Nodolf/Tanya Parent                                                    |
| <b>Filer Authorized By:</b>                 | Aaron K. Nodolf                                                                 |
| <b>Attorney Docket Number:</b>              | 011640-9081-US05                                                                |
| <b>Receipt Date:</b>                        | 21-MAY-2021                                                                     |
| <b>Filing Date:</b>                         |                                                                                 |
| <b>Time Stamp:</b>                          | 18:22:26                                                                        |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)                                                     |

### Payment information:

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|----------------------------------------------------------------------------------------------------------------|------------------|
| Submitted with Payment                                                                                         | yes              |
| Payment Type                                                                                                   | CARD             |
| Payment was successfully received in RAM                                                                       | \$ 6160          |
| RAM confirmation Number                                                                                        | E20215KI22444397 |
| Deposit Account                                                                                                |                  |
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| File Listing:   |                                                     |                                                        |                                           |                  |                  |
| Document Number | Document Description                                | File Name                                              | File Size(Bytes)/ Message Digest          | Multi Part /.zip | Pages (if appl.) |
| 1               | TrackOne Request                                    | 011640-9081-US05_Track_One_Petition_as_filed.pdf       | 113540                                    | no               | 2                |
|                 |                                                     |                                                        | 56ed45fa7a5f53b8264eaf5d15934816b6955d21  |                  |                  |
| Warnings:       |                                                     |                                                        |                                           |                  |                  |
| Information:    |                                                     |                                                        |                                           |                  |                  |
| 2               | Oath or Declaration filed                           | 011640-9081-US05_Executed_Declaration_as_s_filed.pdf   | 132812                                    | no               | 1                |
|                 |                                                     |                                                        | 4379b323072140b328969dcee08b88fa56ff36bb  |                  |                  |
| Warnings:       |                                                     |                                                        |                                           |                  |                  |
| Information:    |                                                     |                                                        |                                           |                  |                  |
| 3               | Information Disclosure Statement (IDS) Form (SB08)  | 011640-9081-US05_IDS_as_filed_5-21-2021.pdf            | 1035649                                   | no               | 5                |
|                 |                                                     |                                                        | 08bc5830f234b1e0273d58a0092885cc127bfb13  |                  |                  |
| Warnings:       |                                                     |                                                        |                                           |                  |                  |
| Information:    |                                                     |                                                        |                                           |                  |                  |
| 4               | Application Data Sheet                              | 011640-9081-US05_ADS_as_filed.pdf                      | 1256367                                   | no               | 8                |
|                 |                                                     |                                                        | 3303e1fbf943ef9a978fa8346a4725e648205aa2  |                  |                  |
| Warnings:       |                                                     |                                                        |                                           |                  |                  |
| Information:    |                                                     |                                                        |                                           |                  |                  |
| 5               | Power of Attorney                                   | 011640-9081-US05_POA_as_filed.pdf                      | 353143                                    | no               | 2                |
|                 |                                                     |                                                        | 0348cb91e9ce0eef4d167dd5ff76c4355b0aa2664 |                  |                  |
| Warnings:       |                                                     |                                                        |                                           |                  |                  |
| Information:    |                                                     |                                                        |                                           |                  |                  |
| 6               |                                                     | 011640-9081-US05_Application_and_Drawings_as_filed.pdf | 698398                                    | yes              | 22               |
|                 |                                                     |                                                        | d97432b6588899209c150d4a766205ac5b2a8152  |                  |                  |
|                 | Multipart Description/PDF files in .zip description |                                                        |                                           |                  |                  |
|                 | Document Description                                | Start                                                  | End                                       |                  |                  |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Abstract                                    | 16                                       | 16    |         |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Claims                                      | 12                                       | 15    |         |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Specification                               | 1                                        | 11    |         |   |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |                                          |       |         |   |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                          |       |         |   |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fee Worksheet (SB06)                        | fee-info.pdf                             | 40116 | no      | 2 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 6152991dfd61d1de4214435e62dfbffeef2b7b51 |       |         |   |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |                                          |       |         |   |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                          |       |         |   |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                          |       | 3630025 |   |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p> |                                             |                                          |       |         |   |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                  |            |
|                                                                                                     | Filing Date            |                  | 2021-05-21 |
|                                                                                                     | First Named Inventor   | Nathan Pyles     |            |
|                                                                                                     | Art Unit               |                  |            |
|                                                                                                     | Examiner Name          |                  |            |
|                                                                                                     | Attorney Docket Number | 011640-9081-US05 |            |

| U.S.PATENTS                                                                                 |         |               |                        |            |                                                 | Remove                                                                   |
|---------------------------------------------------------------------------------------------|---------|---------------|------------------------|------------|-------------------------------------------------|--------------------------------------------------------------------------|
| Examiner Initial*                                                                           | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|                                                                                             | 1       | 6638198       |                        | 2003-10-28 | Shea                                            |                                                                          |
|                                                                                             | 2       | 8287434       |                        | 2012-10-16 | Zavadsky et al.                                 |                                                                          |
|                                                                                             | 3       | 8007408       |                        | 2011-08-30 | Moran et al.                                    |                                                                          |
|                                                                                             | 4       | 8956268       |                        | 2015-02-17 | Huang et al.                                    |                                                                          |
|                                                                                             | 5       | 9039580       |                        | 2015-05-26 | Bayerlein et al.                                |                                                                          |
|                                                                                             | 6       | 6575878       |                        | 2003-06-10 | Choy                                            |                                                                          |
|                                                                                             | 7       | 8690735       |                        | 2014-04-08 | Watterson et al.                                |                                                                          |
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|                                                                                                     | Filing Date            |                  | 2021-05-21 |
|                                                                                                     | First Named Inventor   | Nathan Pyles     |            |
|                                                                                                     | Art Unit               |                  |            |
|                                                                                                     | Examiner Name          |                  |            |
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|                   | 1       | 20090176629        |                        | 2009-07-09       | Yi                                              |                                                                          |
|                   | 2       | 20060205566        |                        | 2006-09-14       | Watterson et al.                                |                                                                          |
|                   | 3       | 20130035215        |                        | 2013-02-07       | Ashby et al.                                    |                                                                          |
|                   | 4       | 20150119202        |                        | 2015-04-30       | Hendrickson et al.                              |                                                                          |
|                   | 5       | 20130274066        |                        | 2013-10-17       | Ashby et al.                                    |                                                                          |
|                   | 6       | 20100016678        |                        | 2010-01-21       | Beck et al.                                     |                                                                          |
|                   | 7       | 20120040799        |                        | 2012-02-16       | Jaquish et al.                                  |                                                                          |
|                   | 8       | 20130143718        |                        | 2013-06-06       | Pani et al.                                     |                                                                          |
|                   | 9       | 20130211562        |                        | 2013-08-15       | Winter et al.                                   |                                                                          |
|                   | 10      | 20150238817        |                        | 2015-08-27       | Watterson et al.                                |                                                                          |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number   |                  |            |
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|                                                                                                     | First Named Inventor | Nathan Pyles     |            |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                  |            |
|                                                                                                     | Filing Date            |                  | 2021-05-21 |
|                                                                                                     | First Named Inventor   | Nathan Pyles     |            |
|                                                                                                     | Art Unit               |                  |            |
|                                                                                                     | Examiner Name          |                  |            |
|                                                                                                     | Attorney Docket Number | 011640-9081-US05 |            |

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                   |                     |            |
|------------|-------------------|---------------------|------------|
| Signature  | /Aaron K. Nodolf/ | Date (YYYY-MM-DD)   | 2021-05-21 |
| Name/Print | Aaron K. Nodolf   | Registration Number | 62,081     |

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |                               |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------|------------------|
| <b>Application Data Sheet 37 CFR 1.76</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                 | <b>Attorney Docket Number</b> | 011640-9081-US05 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 | <b>Application Number</b>     |                  |
| <b>Title of Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                               |                  |
| <small>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</small> |                                                                                 |                               |                  |

## Secrecy Order 37 CFR 5.2:

|                          |                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.) |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Inventor Information:

|                                                                                                                                                                                   |                    |                       |                    |                             |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|--------------------|-----------------------------|----|
| <b>Inventor</b>                                                                                                                                                                   | 1                  | <div>Remove</div>     |                    |                             |    |
| <b>Legal Name</b>                                                                                                                                                                 |                    |                       |                    |                             |    |
| <b>Prefix</b>                                                                                                                                                                     | <b>Given Name</b>  | <b>Middle Name</b>    | <b>Family Name</b> | <b>Suffix</b>               |    |
|                                                                                                                                                                                   | Nathan             |                       | Pyles              |                             |    |
| <b>Residence Information (Select One)</b> • <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |                    |                       |                    |                             |    |
| <b>City</b>                                                                                                                                                                       | Lake Mills         | <b>State/Province</b> | WI                 | <b>Country of Residence</b> | US |
| <b>Mailing Address of Inventor:</b>                                                                                                                                               |                    |                       |                    |                             |    |
| <b>Address 1</b>                                                                                                                                                                  | 629 College Street |                       |                    |                             |    |
| <b>Address 2</b>                                                                                                                                                                  |                    |                       |                    |                             |    |
| <b>City</b>                                                                                                                                                                       | Lake Mills         | <b>State/Province</b> | WI                 |                             |    |
| <b>Postal Code</b>                                                                                                                                                                | 53551              | <b>Country</b>        | US                 |                             |    |
| All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the <b>Add</b> button.                                       |                    |                       |                    |                             |    |

## Correspondence Information:

|                                                                                                                                       |                             |  |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|-----------------------------------|
| Enter either Customer Number or complete the Correspondence Information section below.<br>For further information see 37 CFR 1.33(a). |                             |  |                                   |
| <input type="checkbox"/> An Address is being provided for the correspondence Information of this application.                         |                             |  |                                   |
| <b>Customer Number</b>                                                                                                                | 23409                       |  |                                   |
| <b>Email Address</b>                                                                                                                  | mkeipdocket@michaelbest.com |  | <div>Add Email Remove Email</div> |

## Application Information:

|                                                |                                                                                 |                                                  |                          |
|------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|
| <b>Title of the Invention</b>                  | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                                                  |                          |
| <b>Attorney Docket Number</b>                  | 011640-9081-US05                                                                | <b>Small Entity Status Claimed</b>               | <input type="checkbox"/> |
| <b>Application Type</b>                        | Nonprovisional                                                                  |                                                  |                          |
| <b>Subject Matter</b>                          | Utility                                                                         |                                                  |                          |
| <b>Total Number of Drawing Sheets (if any)</b> | 6                                                                               | <b>Suggested Figure for Publication (if any)</b> | 1                        |

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|                                           |                                                                                 |                        |                  |
|-------------------------------------------|---------------------------------------------------------------------------------|------------------------|------------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                                                                 | Attorney Docket Number | 011640-9081-US05 |
|                                           |                                                                                 | Application Number     |                  |
| Title of Invention                        | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                        |                  |

**Filing By Reference:**

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

|                                                        |                          |                                            |
|--------------------------------------------------------|--------------------------|--------------------------------------------|
| Application number of the previously filed application | Filing date (YYYY-MM-DD) | Intellectual Property Authority or Country |
|                                                        |                          |                                            |

**Publication Information:**

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

**Representative Information:**

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

|                    |                                                  |                                              |                                                         |
|--------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------------------------|
| Please Select One: | <input checked="" type="radio"/> Customer Number | <input type="radio"/> US Patent Practitioner | <input type="radio"/> Limited Recognition (37 CFR 11.9) |
| Customer Number    | 23409                                            |                                              |                                                         |

**Domestic Benefit/National Stage Information:**

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

|                          |                 |                          |                                    |
|--------------------------|-----------------|--------------------------|------------------------------------|
| Prior Application Status | Pending         | <a href="#">Remove</a>   |                                    |
| Application Number       | Continuity Type | Prior Application Number | Filing or 371(c) Date (YYYY-MM-DD) |
|                          | Continuation of | 17/026847                | 2020-09-21                         |

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|                                                                                                                       |                                                                                 |                          |                                    |                  |                         |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|------------------------------------|------------------|-------------------------|
| <b>Application Data Sheet 37 CFR 1.76</b>                                                                             |                                                                                 | Attorney Docket Number   |                                    | 011640-9081-US05 |                         |
|                                                                                                                       |                                                                                 | Application Number       |                                    |                  |                         |
| Title of Invention                                                                                                    | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                          |                                    |                  |                         |
| Prior Application Status                                                                                              | Patented                                                                        |                          |                                    |                  | Remove                  |
| Application Number                                                                                                    | Continuity Type                                                                 | Prior Application Number | Filing Date (YYYY-MM-DD)           | Patent Number    | Issue Date (YYYY-MM-DD) |
| 17/026847                                                                                                             | Continuation of                                                                 | 16/043925                | 2018-07-24                         | 10796375         | 2020-10-06              |
| Prior Application Status                                                                                              | Patented                                                                        |                          |                                    |                  | Remove                  |
| Application Number                                                                                                    | Continuity Type                                                                 | Prior Application Number | Filing Date (YYYY-MM-DD)           | Patent Number    | Issue Date (YYYY-MM-DD) |
| 16/043925                                                                                                             | Continuation of                                                                 | 14/983171                | 2015-12-29                         | 10032227         | 2018-07-24              |
| Prior Application Status                                                                                              | Expired                                                                         |                          |                                    |                  | Remove                  |
| Application Number                                                                                                    | Continuity Type                                                                 | Prior Application Number | Filing or 371(c) Date (YYYY-MM-DD) |                  |                         |
| 14/983171                                                                                                             | Claims benefit of provisional                                                   | 62/098309                | 2014-12-30                         |                  |                         |
| Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the <b>Add</b> button. |                                                                                 |                          |                                    |                  | Add                     |

## Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)<sup>i</sup> the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

|                                                                                                        |                      |                          |                                          |        |
|--------------------------------------------------------------------------------------------------------|----------------------|--------------------------|------------------------------------------|--------|
| Application Number                                                                                     | Country <sup>i</sup> | Filing Date (YYYY-MM-DD) | Access Code <sup>i</sup> (if applicable) | Remove |
|                                                                                                        |                      |                          |                                          |        |
| Additional Foreign Priority Data may be generated within this form by selecting the <b>Add</b> button. |                      |                          |                                          | Add    |

## Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

- ☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
- NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

|                                           |                                                                                 |                        |                  |
|-------------------------------------------|---------------------------------------------------------------------------------|------------------------|------------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                                                                 | Attorney Docket Number | 011640-9081-US05 |
|                                           |                                                                                 | Application Number     |                  |
| Title of Invention                        | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                        |                  |

## Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

**NOTE:** This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

### 1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

**A. Priority Document Exchange (PDX)** - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

**B. Search Results from U.S. Application to EPO** - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

### 2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

**NOTE:** Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

|                                           |                                                                                 |                        |                  |  |
|-------------------------------------------|---------------------------------------------------------------------------------|------------------------|------------------|--|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                                                                 | Attorney Docket Number | 011640-9081-US05 |  |
|                                           |                                                                                 | Application Number     |                  |  |
| Title of Invention                        | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                        |                  |  |

## Applicant Information:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                                                  |                |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------|----------------|----------------|
| Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                  |                |                |
| <b>Applicant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1  | Remove                                           |                |                |
| If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. |    |                                                  |                |                |
| Clear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                                                  |                |                |
| <input checked="" type="radio"/> Assignee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    | Legal Representative under 35 U.S.C. 117         |                | Joint Inventor |
| Person to whom the inventor is obligated to assign.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    | Person who shows sufficient proprietary interest |                |                |
| If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                                                  |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                                                  |                |                |
| Name of the Deceased or Legally Incapacitated Inventor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                                                  |                |                |
| If the Applicant is an Organization check here. <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                  |                |                |
| Organization Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | JOHNSON HEALTH TECH CO., LTD                     |                |                |
| <b>Mailing Address Information For Applicant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                                                  |                |                |
| Address 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    | No. 999, Sec. 2, Dongda Rd.                      |                |                |
| Address 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                                                  |                |                |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    | Daya District, Taichung City                     | State/Province |                |
| Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TW | Postal Code                                      | 428            |                |
| Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    | Fax Number                                       |                |                |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                                                  |                |                |
| Additional Applicant Data may be generated within this form by selecting the Add button.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                                                  |                |                |
| Add                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                  |                |                |

## Assignee Information including Non-Applicant Assignee Information:

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|                                           |                                                                                 |                        |                  |
|-------------------------------------------|---------------------------------------------------------------------------------|------------------------|------------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                                                                 | Attorney Docket Number | 011640-9081-US05 |
|                                           |                                                                                 | Application Number     |                  |
| Title of Invention                        | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                        |                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|--------|
| <b>Assignee</b>   1                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                |             |        |
| Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication. |            |                |             |        |
| <a href="#">Remove</a>                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                |             |        |
| If the Assignee or Non-Applicant Assignee is an Organization check here. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |            |                |             |        |
| Prefix                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Given Name | Middle Name    | Family Name | Suffix |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                |             |        |
| <b>Mailing Address Information For Assignee including Non-Applicant Assignee:</b>                                                                                                                                                                                                                                                                                                                                                                      |            |                |             |        |
| Address 1                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                |             |        |
| Address 2                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                |             |        |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | State/Province |             |        |
| Country i                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | Postal Code    |             |        |
| Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | Fax Number     |             |        |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                |             |        |
| Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. <a href="#">Add</a>                                                                                                                                                                                                                                                                                                                  |            |                |             |        |

**Signature:**[Remove](#)

**NOTE:** This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

|                                                                                                         |                   |           |                   |                     |
|---------------------------------------------------------------------------------------------------------|-------------------|-----------|-------------------|---------------------|
| <b>Signature</b>                                                                                        | /Aaron K. Nodolf/ |           | Date (YYYY-MM-DD) | 2021-05-21          |
| First Name                                                                                              | Aaron             | Last Name | Nodolf            | Registration Number |
|                                                                                                         |                   |           |                   | 62081               |
| Additional Signature may be generated within this form by selecting the Add button. <a href="#">Add</a> |                   |           |                   |                     |

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|                                           |                                                                                 |                        |                  |
|-------------------------------------------|---------------------------------------------------------------------------------|------------------------|------------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                                                                 | Attorney Docket Number | 011640-9081-US05 |
|                                           |                                                                                 | Application Number     |                  |
| Title of Invention                        | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                        |                  |

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION  
UNDER 37 CFR 1.102(e)** (Page 1 of 1)

|                       |                                                                                 |                                               |  |
|-----------------------|---------------------------------------------------------------------------------|-----------------------------------------------|--|
| First Named Inventor: | Nathan Pyles                                                                    | Nonprovisional Application Number (if known): |  |
| Title of Invention:   | EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION AND VERIFYING METHOD |                                               |  |

**APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.**

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently \$0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.
2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.
3. The applicable box is checked below:

**I. ☒ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)**

- i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.  
---OR---  
(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.
- ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, or the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

**II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)**

- i. A request for continued examination has been filed with, or prior to, this form.
- ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
- iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
- iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
- v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

|                                                                                                                                                                                                       |                   |                                  |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------|------------|
| Signature                                                                                                                                                                                             | /Aaron K. Nodolf/ | Date                             | 05/21/2021 |
| Name (Print/Typed)                                                                                                                                                                                    | Aaron K. Nodolf   | Practitioner Registration Number | 62,081     |
| <b>Note:</b> This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.* |                   |                                  |            |
| <input type="checkbox"/> *Total of _____ forms are submitted.                                                                                                                                         |                   |                                  |            |

## Privacy Act Statement

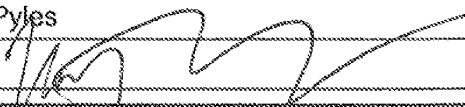
The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Title of<br/>Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>EXERCISE APPARATUS WITH EXERCISE USE VERIFICATION FUNCTION<br/>AND VERIFYING METHOD</b> |
| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/> The attached application, or<br/> <input type="checkbox"/> United States application or PCT international application number _____<br/> filed on _____</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;"><b>WARNING:</b></p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p> |                                                                                            |
| <b>LEGAL NAME OF INVENTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                            |
| Inventor: <u>Nathan Pyles</u> Date (Optional): <u>1/19/16</u><br>Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                            |
| <p>Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.