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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5630044

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|------------------------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JB IP ACQUISITION, LLC | 02/05/2018 |
| RECEIVING PARTY DATA | |
| Name: | J FITNESS LLC |
| Street Address: | 321 WEST 44TH STREET |
| Internal Address: | SUITE 1000 |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10006 |
| PROPERTY NUMBERS Total: 619 | |
| Property Type | Number |
| Application Number: | 07499084 |
| Application Number: | 07612808 |
| Application Number: | 07813958 |
| Application Number: | 07849152 |
| Application Number: | 07879521 |
| Application Number: | 07994947 |
| Application Number: | 08024278 |
| Application Number: | 08140812 |
| Application Number: | 08437327 |
| Application Number: | 08472863 |
| Application Number: | 08473004 |
| Application Number: | 08474263 |
| Application Number: | 08486604 |
| Application Number: | 08507918 |
| Application Number: | 08725239 |
| Application Number: | 08771952 |
| Application Number: | 08853498 |
| Application Number: | 09012602 |
| Application Number: | 09305855 |

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| Application Number: | 09419600 |
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| Application Number: | 09602537 |
| Application Number: | 09690195 |
| Application Number: | 09822890 |
| Application Number: | 09923181 |
| Application Number: | 10119998 |
| Application Number: | 10227575 |
| Application Number: | 10313255 |
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| Application Number: | 10682293 |
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| Application Number: | 10940214 |
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| Property Type | Number |
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| Application Number: | 62050952 |
| Application Number: | 62053780 |
| Application Number: | 62054873 |
| Application Number: | 62107411 |

CORRESPONDENCE DATA

Fax Number: (866)864-3947

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 973-828-1284

Email: patent@myerswolin.com

Correspondent Name: HARRIS A. WOLIN

Address Line 1: 100 HEADQUARTERS PLAZA

Address Line 2: WEST TOWER, 7TH FLOOR

PATENT

REEL: 049825 FRAME: 0923

Address Line 4: MORRISTOWN, NEW JERSEY 07960-6834

ATTORNEY DOCKET NUMBER: JB IP SECURITY

NAME OF SUBMITTER: HARRIS A. WOLIN

SIGNATURE: /HARRIS A. WOLIN/

DATE SIGNED: 07/22/2019

Total Attachments: 50

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PATENT SECURITY AGREEMENT

This Patent Security Agreement, dated as of February 5, 2018 (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, this “**Agreement**”), is made by the entity identified as the grantor on the signature pages hereto (the “**Grantor**”) in favor of J Fitness LLC, a Delaware limited liability company (the “**Secured Party**”).

WHEREAS, reference is made to that certain Secured Convertible Promissory Note, dated as of February 5, 2018 (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Promissory Note**”), by Jawbone Health Hub, Inc., a Delaware corporation (“**JHH**”), the Grantor and the other guarantors party thereto from time to time in favor of the Secured Party;

WHEREAS, the Grantor is party to a Security Agreement, dated as of the date hereof (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”), by and among JHH, the Grantor, each Additional Grantor (as defined therein) party thereto from time to time and the Secured Party;

WHEREAS, in consideration of the extensions of credit and other accommodations of Secured Party evidenced by the Promissory Note, the Grantor has agreed to secure the Grantor’s obligations under the Promissory Note as set forth in the Security Agreement; and

WHEREAS, pursuant to the Security Agreement, the Grantor granted a security interest to the Secured Party in the Patent Collateral (as defined below) and is required to execute and deliver this Agreement.

NOW, THEREFORE, in consideration of the premises and the agreements, provisions and covenants herein contained, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor and the Secured Party agree as follows:

SECTION. 1. Defined Terms

Unless otherwise defined herein, capitalized terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest

The Grantor hereby grants the Secured Party a continuing security interest in the Patent Collateral (as defined below) to secure the payment and performance of the Obligations. The “**Patent Collateral**” means:

- (i) all domestic and foreign patents, including design patents, utility patents, and industrial designs and all applications, registrations and recordings thereof (including any inventions, methods, techniques, processes or improvements described and claimed therein) listed in Schedule A attached hereto (as such schedule may be amended or supplemented from time to time),
- (ii) all reissues, divisions, continuations, continuations in part and extensions or renewals thereof,
- (iii) all patentable inventions and improvements thereto,
- (iv) the right to sue or otherwise recover for any past, present and future infringement or other violation or impairment thereof,
- (v) all Proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages, and proceeds of suit now or hereafter due and/or payable with

respect thereto, and (vi) all other rights of any kind accruing thereunder or pertaining thereto throughout the world, in each case, excluding the Excluded Property.

SECTION 3. Security Agreement

The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Secured Party pursuant to the Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Secured Party with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Governing Law

This Agreement shall be governed by the laws of the State of Delaware, without giving effect to any conflicts of laws principles.

SECTION 5. Counterparts

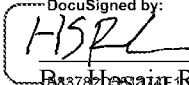
This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument; signature pages may be detached from multiple separate counterparts and attached to a single counterpart so that all signature pages are physically attached to the same document.

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IN WITNESS WHEREOF, the Grantor has caused this Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first written above.

GRANTOR

JB IP ACQUISITION, LLC

DocuSigned by:


Basim Rahman
Position: Chief Executive Officer

Accepted and Agreed:

J FITNESS LLC,
as Secured Party

By:  _____
Name: Daniel Setton
Title: Authorized Signature

SCHEDULE A
to
PATENT SECURITY AGREEMENT
PATENTS AND PATENT APPLICATIONS

A. Utility Patents

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| US6605038 | US09/602537 | US | System for monitoring health, wellness and fitness |
| US7261690 | US09/923181 | US | Apparatus for monitoring health, wellness and fitness |
| US7020508 | US10/227575 | US | Apparatus for detecting human physiological and contextual information |
| US8157731 | US10/682293 | US | Method and apparatus for auto journaling of continuous or discrete body states utilizing physiological and/or contextual parameters |
| US7285090 | US10/682759 | US | Apparatus for detecting, receiving, deriving and displaying human physiological and contextual information |
| US8398546 | US10/940214 | US | System for monitoring and managing body weight and other physiological conditions including iterative and personalized planning, intervention and reporting |
| US7502643 | US10/940889 | US | Method and apparatus for measuring heart related parameters |
| US8663106 | US11/088002 | US | Non-invasive temperature monitoring device |
| US8073707 | US11/247049 | US | System for detecting, monitoring, and reporting an individual's physiological or contextual status |
| US8961413 | US11/434949 | US | Wireless communications device and personal monitor |
| US20070100666 | US11/582896 | US | Devices and systems for contextual and physiological-based detection, monitoring, reporting, entertainment, and control of other devices |
| US8961414 | US11/724373 | US | Apparatus for monitoring health, wellness and fitness |
| US7959567 | US11/876623 | US | Device to enable quick entry of caloric content |
| US9033875 | US11/925906 | US | Multi-sensor system, device, and method for deriving human status information |
| US8708904 | US11/925965 | US | Device utilizing data of a user's context or activity to determine the user's caloric consumption or expenditure |
| US9204806 | US11/928039 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| US20080167536 | US11/930036 | US | Method and apparatus for auto journaling of body states and providing derived physiological states utilizing physiological and/or contextual parameter |
| US9033876 | US11/930053 | US | Method and apparatus for deriving and reporting a physiological status of an individual utilizing physiological parameters and user input |
| US9165117 | US11/930081 | US | Method and apparatus for identifying and reporting a physiological condition of an individual utilizing physiological and contextual parameters |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|--|
| US8641612 | US11/930091 | US | Method and apparatus for detecting and predicting caloric intake of an individual utilizing physiological and contextual parameters |
| US8968196 | US11/930092 | US | Method and apparatus for deriving and reporting a physiological status of an individual utilizing physiological and contextual parameters |
| US8852098 | US11/930094 | US | Method and apparatus for deriving and reporting the thermic effect of food and calories consumed for an individual utilizing physiological parameters |
| US8369936 | US12/840109 | US | Wearable apparatus for measuring heart-related parameters and deriving human status parameters from sensed physiological and contextual parameters |
| US8870766 | US13/291879 | US | Method and apparatus for providing derived glucose information utilizing physiological and/or contextual parameters |
| US20120059230 | US13/291982 | US | Wearable body monitor to provide indicators of an individual |
| US20130158367 | US13/761409 | US | System for monitoring and managing body weight and other physiological conditions including iterative and personalized planning, intervention and reporting capability |
| US20130158368 | US13/761557 | US | System for monitoring and managing body weight and other physiological conditions including iterative and personalized planning, intervention and reporting capability |
| US8979763 | US14/058501 | US | Adhesively mounted apparatus for determining physiological and contextual status |
| US9168001 | US14/058563 | US | Adhesively mounted apparatus for determining physiological and contextual status |
| US20140213855 | US14/059054 | US | System for automatic journaling of a user's context |
| US20140213856 | US14/059072 | US | System for automatic journaling of a user's context |
| US20140232516 | US14/083372 | US | Contextual and presence sensing to operate electronic devices |
| US20140203797 | US14/083382 | US | Social contact sensing |
| US20140223406 | US14/083389 | US | Systems and methods for measuring a state parameter |
| US20140221774 | US14/136750 | US | System to determine stress of an individual |
| US20150289808 | US14/248830 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine and activity detection |
| US20150289809 | US14/248853 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine |
| US20150289810 | US14/248885 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine utilizing multiple user data |
| US20140221788 | US14/249211 | US | System for monitoring and presenting health, wellness and fitness data having user selectable parameters |
| US20140221791 | US14/249314 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine |
| US20140342328 | US14/249318 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine |
| US20150294594 | US14/249328 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| US20150289811 | US14/284947 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine utilizing multiple user data |
| US20150289812 | US14/285018 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine and modeling capability |
| US20150339946 | US14/285232 | US | System for monitoring and presenting health, wellness and fitness trend data having user selectable parameters |
| US20140276192 | US14/292105 | US | Wearable body monitor device with a processing unit operable to tell time |
| US20140275812 | US14/292368 | US | Flexible wearable body monitor device with sensor |
| US20140275813 | US14/292735 | US | Wearable body monitor device with a flexible section and sensor therein |
| US20150294575 | US14/292831 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine and activity detection |
| US20150294576 | US14/292833 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine and activity and pattern detection |
| US20150289797 | US14/336413 | US | System for monitoring and presenting health, wellness and fitness trend data with activity and pattern detection |
| US20150289798 | US14/336448 | US | System for monitoring and presenting health, wellness and fitness trend data with activity and pattern detection and feedback and coaching engine |
| US20150289799 | US14/336539 | US | System for monitoring and presenting health, wellness and fitness trend data with activity detection and feedback and coaching engine |
| US20150245797 | US14/509034 | US | Method and apparatus for deriving and reporting the thermic effect of food and calories consumed for an individual utilizing physiological parameters |
| US20150282767 | US14/526499 | US | Method and apparatus for providing derived glucose information utilizing physiological and/or contextual parameters |
| US20150238097 | US14/636157 | US | Apparatus for monitoring health, wellness and fitness |
| US20160310022 | US15/079041 | US | Apparatus for detecting human physiological and contextual information |
| US6595929 | US09/822890 | US | System for monitoring health, wellness and fitness having a method and apparatus for improved measurement of heat flow |
| US6527711 | US09/419600 | US | Wearable human physiological data sensors and reporting system therefor |
| US7153262 | US10/313255 | US | Wearable human physiological data sensors and reporting system therefor |
| US8403845 | US11/481147 | US | Wearable human physiological and environmental data sensors and reporting system therefor |
| US6711426 | US10/119998 | US | Spectroscopy illuminator with improved delivery efficiency for high optical density and reduced thermal load |
| US7062306 | US10/651541 | US | Spectroscopy illuminator with improved delivery efficiency for high optical density and reduced thermal load |
| US20080009689 | US11/820809 | US | Difference-weighted somatic spectroscopy |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| US20080188727 | US12/101906 | US | Broadband solid-state spectroscopy illuminator and method |
| US20160354016 | US14/731439 | US | Microchip spectrophotometer |
| US6748259 | US09/595370 | US | Optical imaging of induced signals in vivo under ambient light conditions |
| US7668587 | US10/437670 | US | Optical imaging of induced signals in vivo under ambient light conditions |
| US7427165 | US11/154023 | US | Optical and electrical hybrid connector |
| US7813778 | US11/193071 | US | Implantable tissue ischemia sensor |
| US20090006457 | US12/033722 | US | Lifestyles |
| US20080319796 | US12/033741 | US | Medical applications of lifestyles |
| US20080319786 | US12/033746 | US | Publishing and insurance applications of lifestyles |
| US20080319781 | US12/033751 | US | Assessment and grouping applications of lifestyles |
| US8382590 | US12/033753 | US | Entertainment, gaming and interactive spaces based on lifestyles |
| US8275635 | US12/033760 | US | Integration of lifestyles with devices and systems |
| US20080319855 | US12/033766 | US | Advertising and marketing based on lifestyles |
| US20140122496 | US14/060004 | US | Using data from wearable monitors to identify cohorts |
| US20140122536 | US14/060029 | US | Methods for behavior modification based on data from a wearable device |
| US20140122537 | US14/060047 | US | Using aggregated sensed data of individuals to predict physiological state |
| US9396486 | US14/060072 | US | Using aggregated sensed data of individuals to predict the mental state of an individual |
| US20140180720 | US14/081369 | US | Data predicting the type of individual used with separate applications |
| US9262772 | US14/081406 | US | Systems and methods using a wearable device to determine an individuals daily routine |
| US20140180024 | US14/081880 | US | Systems and methods using a wearable device to predict an individuals daily routine |
| US20140180025 | US14/081889 | US | System and method of predicting the type of individual used with separate applications |
| US20140310294 | US14/081935 | US | Systems and methods using a wearable device to predict the individuals type and a suitable therapy regime |
| US20140222849 | US14/081951 | US | Adaptation of user-interface based on predicted individual type |
| US20140310295 | US14/082179 | US | Systems and methods making recommendations based on data from wearable devices |
| US20140310296 | US14/082180 | US | Systems and methods making recommendations based on data from wearable devices |
| US20140310223 | US14/082183 | US | Systems and methods making recommendations based on data from wearable devices |
| US20140309939 | US14/082185 | US | Systems and methods using an individual's context and type to determine the individuals status |
| US20140214836 | US14/082192 | US | Systems and methods using an individuals predicted type and context for behavioral modification |
| US20140310297 | US14/133612 | US | Home automation systems utilizing detected stress data of an individual |
| US20140221773 | US14/133620 | US | Determining a continuous duration that an individual has been in the stress-related state |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|--|
| US20140220525 | US14/133622 | US | Managing educational content based on detected stress state and an individuals predicted type |
| US20140222732 | US14/133625 | US | Managing educational content based on detected stress state |
| US20140221775 | US14/137087 | US | Delivering content based on a determination of stress |
| US20140317039 | US14/138043 | US | Systems, methods, and devices utilizing cumulative sleep data to predict the health of an individual |
| US20140316885 | US14/138046 | US | Systems, methods, and devices to deliver targeted content using information about an individuals sleeping habits |
| US20140310105 | US14/139871 | US | Systems, methods, and devices to determine an individuals mood based on sensed data and the individuals predicted type |
| US20140222735 | US14/139872 | US | Systems, methods, and devices to determine an individuals mood |
| US20140344282 | US14/139875 | US | Systems, methods and devices for determining sleep quality with wearable devices |
| US20120313272 | US13/158372 | US | Component protective overmolding |
| US8793522 | US13/180320 | US | Power management in a data-capable strapband |
| US20120313746 | US13/181486 | US | Device control using sensory input |
| US20120317024 | US13/181500 | US | Wearable device data security |
| US20120316896 | US13/181511 | US | Personal advisor system using data-capable band |
| US9069380 | US13/181512 | US | Media device, application, and content management using sensory input |
| US20120316456 | US13/181513 | US | Sensory user interface |
| US20120317167 | US13/361919 | US | Wellness application for data-capable band |
| US20120316471 | US13/405240 | US | Power management in a data-capable strapband |
| US8529811 | US13/427839 | US | Component protective overmolding using protective external coatings |
| US20120326873 | US13/433204 | US | Activity attainment method and apparatus for a wellness application using data from a data-capable band |
| US8446275 | US13/454040 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| US20130173171 | US13/491345 | US | Data-capable strapband |
| US20130198694 | US13/492770 | US | Determinative processes for wearable devices |
| US20130176142 | US13/492857 | US | Data-capable strapband |
| US20160270717 | US13/674080 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| US20140089672 | US13/802409 | US | Wearable device and method to generate biometric identifier for authentication using near-field communications |
| US20140354441 | US13/906109 | US | System and constituent media device components and media device-based ecosystem |
| US20140206289 | US14/064189 | US | Data-capable band management in an integrated application and network communication data environment |
| US20140273848 | US14/065415 | US | Data-capable band management in an integrated application and network communication data environment |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| US20150118967 | US14/065419 | US | Data-capable band management in an integrated application and network communication data environment |
| US20140213872 | US14/070443 | US | Data-capable band for medical diagnosis, monitoring, and treatment |
| US20150130613 | US14/075523 | US | Selectively available information storage system |
| US20140156084 | US14/076014 | US | Data-capable band management in an integrated application and network communication data environment |
| US20150135284 | US14/079632 | US | Authentication for wearable devices |
| US20140194782 | US14/105172 | US | Power management in a data-capable strapband |
| US20140195166 | US14/105173 | US | Device control using sensory input |
| US20160054876 | US14/121355 | US | Activity insight micro-engine |
| US20140243609 | US14/144505 | US | Data-capable band for medical diagnosis, monitoring, and treatment |
| US20150182113 | US14/145849 | US | Real-time fatigue, personal effectiveness, injury risk device(s) |
| US20150182163 | US14/145856 | US | Wearable device to detect inflammation |
| US20140240144 | US14/145879 | US | Data-capable band management in an integrated application and network communication data environment |
| US20140240912 | US14/145887 | US | Component protective overmolding |
| US9258670 | US14/181595 | US | Wireless enabled cap for a data-capable device |
| US9355590 | US14/183425 | US | Sparkle display |
| US20140266780 | US14/194424 | US | Motion profile templates and movement languages for wearable devices |
| US20150186609 | US14/194495 | US | Data capable strapband for sleep monitoring, coaching, and avoidance |
| US20140306821 | US14/244677 | US | Motion profile templates and movement languages for wearable devices |
| US20150182164 | US14/246971 | US | Wearable ring for sleep monitoring |
| US20150137994 | US14/526503 | US | Data-capable band management in an autonomous advisory application and network communication data environment |
| US20160346977 | US15/141725 | US | Component protective overmolding using protective external coatings |
| US20160351114 | US15/168222 | US | Sparkle display |
| US9245514 | US13/561033 | US | Speaker with multiple independent audio streams |
| US20140094675 | US13/831260 | US | Arrayed electrodes in a wearable device for determining physiological characteristics |
| US20160066857 | US14/121938 | US | Device-based activity classification using predictive feature analysis |
| US20150297145 | US14/121939 | US | Device-based activity classification using predictive feature analysis |
| US20160066858 | US14/121940 | US | Device-based activity classification using predictive feature analysis |
| US20160066859 | US14/121941 | US | Device-based activity classification using predictive feature analysis |
| US20160070339 | US14/121942 | US | Device-based activity classification using predictive feature analysis |
| US20150282768 | US14/121943 | US | Arrayed electrodes in a wearable device for determining physiological characteristics |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|---|
| US20150359491 | US14/121947 | US | Physiological characteristic determination based on signal correlation |
| US20150057506 | US14/260221 | US | Arrayed electrodes in a wearable device for determining physiological characteristics |
| US20150348538 | US14/289617 | US | Speech summary and action item generation |
| US9265449 | US13/827683 | US | Wearable device structure with enhanced motion detection by motion sensor |
| US20160278703 | US15/051657 | US | Wearable device structure with enhanced motion detection by motion sensor |
| US20140128753 | US13/672398 | US | Piezoelectric heart rate sensing for wearable devices or mobile devices |
| US20140128754 | US13/672671 | US | Multimodal physiological sensing for wearable devices or mobile devices |
| US20140278208 | US14/215038 | US | Architecture for determining activity and activity types from sensed motion signals |
| US20150260989 | US14/205138 | US | Social data-aware wearable display system |
| US20140285402 | US14/205151 | US | Social data-aware wearable display system |
| US20140288447 | US14/209690 | US | Sensing physiological characteristics in association with ear-related devices or implements |
| US20140330132 | US13/886254 | US | Method for determining the heart rate of a subject |
| US9306897 | US13/906244 | US | Smart media device ecosystem using local data and remote social graph data |
| US20160294974 | US15/090585 | US | Smart media device ecosystem using local data and remote social graph data |
| US20150148632 | US14/552468 | US | Calorie monitoring sensor and method for cell phones, smart watches, occupancy sensors, and wearables |
| US20150148625 | US14/555059 | US | Respiratory monitoring sensor and method for cell phones, smart watches, occupancy sensors, and wearables |
| US20160143547 | US14/864857 | US | Rapid rate-estimation for cell phones, smart watches, occupancy, and wearables |
| US20160113503 | US14/864860 | US | Rapid rate-estimation for cell phones, smart watches, occupancy, and wearables |
| US20150172441 | US14/105119 | US | Communication management for periods of inconvenience on wearable devices |
| US20150182130 | US14/145852 | US | True resting heart rate |
| US20150245164 | US14/191284 | US | Interaction between wearable devices via broadcasted sensor-related data |
| US20150264431 | US14/213439 | US | Feedback for television content using sensor data |
| US20150334504 | US14/279253 | US | Determining positions of media devices based on motion data |
| US20150358767 | US14/301220 | US | Intelligent device connection for wireless media in an ad hoc acoustic network |
| US20150358768 | US14/301227 | US | Intelligent device connection for wireless media in an ad hoc acoustic network |
| US20160066812 | US14/121944 | US | Strap band for a wearable device |
| US20160066852 | US14/121948 | US | Strap band for a wearable device |
| US20160066841 | US14/480048 | US | One size fits all specifications for Phelp's band |
| US20160066853 | US14/532789 | US | Strap band for a wearable device |
| US20160070403 | US14/480446 | US | Formation of metalized interface for wearable devices |
| US20160071259 | US14/121465 | US | Wearable device assembly inspection devices and methods |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| US20160072554 | US14/480452 | US | Near-field antennas and methods of implementing the same for wearable pods and devices that include metalized interfaces |
| US20160220122 | US15/006096 | US | Physiological characteristics determinator |
| US20160328282 | US14/705917 | US | Predictive device failure analysis |
| US20160379520 | US14/749622 | US | Nutrient density determinations to select health promoting consumables and to predict consumable recommendations |
| US20170112391 | US14/924691 | US | Adhesively mounted apparatus for detecting human physiological and contextual information |
| US20170156594 | US14/961792 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| N/A | 08/507,918 | US | Spectrophotometer and method for in vivo determination of chromophore concentration using time of flight and absorbance |
| N/A | 07/879,521 | US | Spectrophotometer and method for in vivo determination of chromophore concentration using time of flight and absorbance |
| N/A | 07/499,084 | US | Spectrophotometer and method for in vivo determination of chromophore concentration using time of flight and absorbance |
| N/A | 07/612,808 | US | Path resolved absorbance spectrophotometer and method for determination of chromophore concentration and spatial distribution in a medium |
| N/A | 62/050,952 | US | Respiratory monitoring sensor and method for cell phones, smart watches, occupancy and wearables |
| N/A | 62/053,780 | US | Reduced-power ambient light method for cell phones, smart watches, occupancy, and wearables |
| N/A | 62/054,873 | US | Rate-estimation method for cell phones, smart watches, occupancy sensors, and wearables |
| N/A | 11/729,395 | US | Systems and methods for the detection and analysis of in vivo circulating cells, entities, and nanobots |
| N/A | 12/197,162 | US | Optical and electrical hybrid connector |
| N/A | 60/580,414 | US | Z-tolerant mixed optical and electrical hybrid connector |
| N/A | 13/016,911 | US | Broadband solid-state illuminator for fluorimetry device and system |
| N/A | 13/016,874 | US | White LED for illumination with additional light source for analysis |
| N/A | 13/016,846 | US | Quantum dot LED device and method |
| N/A | 12/761,301 | US | Solid-state general illumination with broadband white LED and integrated heat sink |
| N/A | 12/404,006 | US | Integrated white LED illuminator and color sensor detected system and method |
| N/A | 12/180,449 | US | Illuminator probe with memory device and method |
| N/A | 12/113,887 | US | Broadband illuminator for oximetry, hemoglobin, methemoglobin, carboxy-hemoglobin, and other blood component monitoring |
| N/A | 11/451,681 | US | Device and methods for the detection of locally-weighted tissue ischemia |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| N/A | 12/651,247 | US | Optical imaging of induced signals in vivo under ambient light conditions |
| 6,246,901 | 09/690,195 | US | Detecting, localizing, and targeting internal sites in vivo using optical contrast agents |
| 6,167,297 | 09/305,855 | US | Detecting, localizing, and targeting internal sites in vivo using optical contrast agents |
| 5,762,609 | 08/474,263 | US | Device and method for analysis of surgical tissue interventions |
| 5,807,261 | 08/486,604 | US | Noninvasive system for characterizing tissue in vivo |
| 5,769,791 | 08/472,863 | US | Tissue interrogating device and methods |
| 5,785,658 | 08/473,004 | US | In vivo tissue analysis methods and apparatus |
| 5,772,597 | 08/437,327 | US | Surgical tool and effector |
| 6,594,518 | 09/012,602 | US | Device and method for classification of tissue |
| 5,987,346 | 08/771,952 | US | Device and method for classification of tissue |
| 5,752,519 | 08/725,239 | US | Device and method for detection, localization, and characterization of inhomogeneities in turbid media |
| 5,746,210 | 08/024,278 | US | Device and method for detection, localization, and characterization of inhomogeneities in turbid media |
| N/A | 07/849,152 | US | Device and method for in vivo qualitative or quantitative measurement of blood chromophore concentration using blood pulse spectrophotometry |
| RE36,044 | 08/853,498 | US | Path constrained spectrophotometer and method for determination of spatial distribution of light or other radiation scattering and absorbing substances in a radiation scattering medium |
| N/A | 08/140,812 | US | Path constrained spectrophotometer and method for determination of spatial distribution of light or other radiation scattering and absorbing substances in a radiation scattering medium |
| 5,413,098 | 07/994,947 | US | Path constrained spectrophotometer and method for determination of spatial distribution of light or other radiation scattering and absorbing substances in a radiation scattering medium |
| N/A | 07/813,958 | US | Path constrained spectrophotometer and method for determination of spatial distribution of light or other radiation scattering and absorbing substances in a radiation scattering medium |
| N/A | 12/040,881 | US | Medical imaging lens system, and method with high-efficiency light collection and collinear illumination |
| N/A | 60/904,591 | US | Biomedical imaging lens and system with high-efficiency light collection and collinear illumination |
| N/A | 11/255,675 | US | Ultra-high-specificity device and methods fore the screening of in-vivo tumors |
| N/A | 12/049,122 | US | Metabolism or biochemical based anti-spoofing biometrics devices, systems, and methods |
| N/A | 60/918,110 | US | Metabolism-based anti-spoofing biometrics devices and methods |
| N/A | 13/591,629 | US | Remote oximetry monitoring system and method |
| N/A | 12/858,396 | US | Implantable tissue ischemia sensor |
| N/A | 14/555,554 | US | Ambient light method for cell phones, smart watches, occupancy sensors, and wearables |
| N/A | 14/555,377 | US | Rate-estimation sensor and method for cell phones, smart watches, occupancy sensors, and wearables |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| N/A | 14/554,053 | US | Method for detecting physiology at distance or during movement for mobile devices, illumination, security occupancy sensors, and wearables |
| N/A | 14/552,690 | US | Hydration monitoring sensor and method for cell phones, smart watches, occupancy, and wearables |
| N/A | 62/050,900 | US | Hydration monitoring sensor and method for cell phones, smart watches, occupancy, and wearables |
| N/A | 62/050,828 | US | Calorie monitoring sensor and method for cell phones, smart watches, occupancy and wearables |
| N/A | 61/989,140 | US | Content-aware sensor and method for cell phones, smart watches, occupancy, and wearables |
| N/A | 61/970,667 | US | Method for detecting heart and respiratory rate at distance or during movement for mobile devices, illumination, security and wearables |
| N/A | 61/908,926 | US | Content-aware sensor and method for cell phones, smart watches, and wearables |
| N/A | 61/657,439 | US | Detection and classification of multiple physical activities using bodymedia armband |
| N/A | 61/657,389 | US | Machine learning and sensor fusion for estimating continuous energy expenditure |
| N/A | 61/370,153 | US | Prediction of shock outcome using signal processing and machine learning |
| N/A | 61/370,152 | US | A novel method for detection of QRS complex with an adaptive points insertion |
| N/A | 61/259,381 | US | Prediction of critical injuries and illnesses using real-time signal analysis of multi-physiological signals collected by mobile title physiological monitors and prediction of critical injuries and illnesses using real-time signal analysis of multi-physiological signals |
| N/A | 61/167,287 | US | Detection of P, QRS, and T components of ECG using wavelet transformation |
| N/A | 61/164,173 | US | Non-piercing dry electrode and electrical contacts |
| N/A | 61/122,804 | US | Heart rate variability, vital sign and physiological analysis using wavelet transformation machine learning |
| N/A | 61/116,364 | US | Methods for real-time remote monitoring of oxygen debt and critical illness/injury metabolic stress |
| N/A | 61/050,520 | US | Electrocardiogram and heart rate analysis method |
| N/A | 60/958,516 | US | Systems, methods, and devices for non-invasive glucose monitoring |
| N/A | 60/901,952 | US | Systems and methods for understanding and applying the physiological and contextual life patterns of an individual or set of individuals |
| N/A | 60/833,235 | US | Display device for body monitoring system |
| N/A | 14/336,625 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine |
| N/A | 14/336,598 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine |
| N/A | 14/336,571 | US | System for monitoring and presenting health, wellness and fitness utilizing multiple user trend data having user selectable parameters |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| N/A | 14/291,882 | US | A system for monitoring human status parameters |
| N/A | 14/291,620 | US | Insult detection |
| N/A | 14/285,194 | US | System for monitoring and presenting health, wellness and fitness trend data with feedback and coaching engine |
| N/A | 14/285,159 | US | System for monitoring and presenting health, wellness and fitness with feedback and coaching engine and activity detection |
| N/A | 14/285,092 | US | System for monitoring and presenting health, wellness and fitness data with activity and pattern detection |
| N/A | 14/285,036 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine and activity and pattern detection |
| N/A | 14/252,090 | US | Method and apparatus for providing derived glucose information utilizing physiological and/or contextual parameters |
| N/A | 14/249,235 | US | System for monitoring and presenting health, wellness and fitness trend data having user selectable parameters with modeling capability |
| N/A | 15/431,755 | US | System for monitoring and presenting health, wellness and fitness data with feedback and coaching engine utilizing multiple user data |
| N/A | 14/139,873 | US | Systems, methods, and devices for determining sleep data for groups of individuals |
| N/A | 15/241,053 | US | Systems, methods, and devices to determine an individual's mood based on sensed data and the individual's predicted type |
| N/A | 15/245,173 | US | Systems, methods, and devices to deliver targeted content using information about an individual's sleeping habits |
| N/A | 14/138,042 | US | Systems, methods, and devices utilizing cumulative sleep data to predict the health of an individual |
| N/A | 14/133,638 | US | Controlling a sensory device to reduce stress an individual's type and the data collected from a wearable sensor device |
| N/A | 14/133,634 | US | Providing recommendations to individuals based on the individual's type |
| N/A | 14/133,626 | US | Data from wearable sensor devices to manage educational content |
| N/A | 14/133,619 | US | Home automation systems utilizing detected stress data of an individual |
| N/A | 15/162,560 | US | Home automation systems utilizing detected stress data of an individual |
| N/A | 14/133,615 | US | Home automation systems utilizing detected stress data of an individual |
| N/A | 15/159,797 | US | Determining an individual's mood based on the individual's predicted type and detected data |
| N/A | 14/133,610 | US | Determining an individual's mood based on the individual's predicted type and detected data |
| N/A | 14/133,607 | US | Providing recommendations based on detected stress and a predicted type for an individual |
| N/A | 14/081,979 | US | Using a wearable device to predict an individual's type and response to content |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| N/A | 14/081,956 | US | Generation of content based on predicted individual type |
| N/A | 11/928,067 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| N/A | 11/928,033 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| N/A | 14/249,290 | US | System for monitoring and presenting health, wellness and fitness trend data with feedback and coaching engine and modeling capability |
| N/A | 14/249,262 | US | System for monitoring and presenting health, wellness and fitness trend data having user selectable parameters |
| N/A | 14/249,135 | US | System for monitoring and presenting health, wellness and fitness data having user selectable parameters |
| N/A | 14/248,776 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine |
| N/A | 14/248,576 | US | System for monitoring and presenting health, wellness, nutrition and fitness data with feedback and coaching engine |
| N/A | 14/221,506 | US | Wrist-body monitoring device |
| N/A | 14/139,872 | US | Systems, methods, and devices to determine an individual's mood |
| N/A | 14/138,033 | US | Wearable apparatus to detect sleep stage information of an individual |
| N/A | 14/138,030 | US | Wearable apparatus to detect pulse transit time |
| N/A | 14/137,027 | US | Delivering content based on an individual's predicted type and stress-related state |
| N/A | 14/133,641 | US | Controlling a sensory device based on the inferred state information |
| N/A | 14/133,640 | US | Controlling a sensory device to reduce stress based on the determined stress-related state |
| N/A | 14/133,620 | US | Determining a continuous duration that an individual has been in the stress-related state |
| N/A | 14/083,407 | US | Wearable apparatus to detect and monitor sleep and other activities |
| N/A | 14/083,404 | US | Systems and methods of measuring caloric consumption |
| N/A | 14/083,401 | US | Systems and methods for measuring energy expenditure |
| N/A | 14/083,397 | US | Systems and methods for measuring energy expenditure of an individual |
| N/A | 14/082,190 | US | Providing recommendations based on the predicted context and type of individual as determined from a wearable device |
| N/A | 14/082,189 | US | Predicted type and contexts in assessments |
| N/A | 14/082,188 | US | Using individual's predicted type to aid in content selection |
| N/A | 14/082,186 | US | Systems and methods to determine changes in the individual's patterns |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|--|
| N/A | 14/082,178 | US | Systems and methods using wearable devices to determine a recommendation for the individual |
| N/A | 14/082,176 | US | Systems and methods using transactional data and data from a wearable device to deliver targeted marketing |
| N/A | 14/082,070 | US | Systems, methods, and devices to selectively present cumulative indicators of an individual's status over time |
| N/A | 14/081,972 | US | Using a wearable device to predict an individual's type and response to content |
| N/A | 14/081,967 | US | Generation of content based on predicted individual type |
| N/A | 14/081,942 | US | Adaptation of user-interface based on predicted individual type |
| N/A | 14/081,928 | US | Systems and methods using a wearable device to predict the individual's type and a suitable therapy regime |
| N/A | 14/081,901 | US | System and method using an individual's predicted type to diagnose a medical condition |
| N/A | 14/060,122 | US | Determining an individual's daily routine |
| N/A | 14/060,109 | US | Using lifeotypes to provide disease-related information to individuals |
| N/A | 14/060,096 | US | Using data from a wearable device to determine and present activities for types of individuals |
| N/A | 14/060,092 | US | Using data from a wearable device to determine, index, and present activities for types of individuals |
| N/A | 14/060,082 | US | Using aggregated sensed data of individuals to predict whether an individual requires assistance from a responder |
| N/A | 15/213,262 | US | Using aggregated sensed data of individuals to predict the mental state of an individual |
| 9,396,486 | 14/060,072 | US | Using aggregated sensed data of individuals to predict the mental state of an individual |
| N/A | 14/060,047 | US | Using aggregated sensed data of individuals to predict physiological state |
| N/A | 14/060,029 | US | Methods for behavior modification based on data from a wearable device |
| N/A | 14/060,010 | US | Using data from wearable monitors to identify cohorts |
| N/A | 15/245,167 | US | Using data from wearable monitors to identify cohorts |
| N/A | 14/059,117 | US | System for automatic journaling of a user's context |
| N/A | 14/058,539 | US | Adhesively mounted apparatus for determining physiological and contextual status |
| N/A | 14/058,493 | US | Adhesively mounted apparatus for determining physiological and contextual status |
| N/A | 14/058,485 | US | Adhesively mounted apparatus for determining physiological and contextual status |
| N/A | 14/636,158 | US | Wearable human physiological and environmental data sensors and reporting system therefor |
| N/A | 13/766,756 | US | Wearable human physiological and environmental data sensors and reporting system therefor |
| N/A | 15/431,734 | US | System for monitoring and managing body weight and other physiological conditions including iterative and personalized planning, intervention and reporting capability |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| N/A | 15/431,726 | US | System for monitoring and managing body weight and other physiological conditions including iterative and personalized planning, intervention and reporting capability |
| N/A | 13/734,433 | US | A wearable apparatus for measuring heart-related parameters and deriving human status parameters from sensed physiological and contextual parameters |
| N/A | 13/140,165 | US | Method and apparatus for determining heartrate variability using wavelet transformation |
| N/A | 13/130,282 | US | Method and apparatus for determining critical care parameters |
| N/A | 12/217,299 | US | Method and apparatus for providing derived glucose information utilizing physiological and/or contextual parameters |
| N/A | 15/442,612 | US | Assessment and grouping applications of lifestyles |
| N/A | 12/033,737 | US | Lifestyle markup language |
| N/A | 12/033,731 | US | Lifestyle interfaces |
| N/A | 12/033,728 | US | Lifestyles |
| N/A | 15/431,714 | US | Lifestyles |
| N/A | 11/930,405 | US | System for detecting, monitoring, and reporting human status parameters |
| N/A | 11/930,101 | US | Method and apparatus for accurately measuring physiological data |
| N/A | 11/930,100 | US | Method and apparatus for auto journaling of body states and providing derived physiological states utilizing physiological and/or contextual parameter |
| N/A | 11/930,048 | US | Method and apparatus for detecting and predicting the blood glucose level of an individual utilizing physiological and contextual parameters |
| N/A | 11/929,514 | US | Devices and systems for contextual and physiological-based reporting, entertainment, control of other devices, health assessment and therapy |
| N/A | 11/928,382 | US | Method and apparatus for measuring heart-related parameters and deriving |
| N/A | 11/928,347 | US | Method and apparatus for measuring heart-related parameters and deriving |
| N/A | 11/928,333 | US | Method and apparatus for measuring heart-related parameters and deriving |
| N/A | 11/928,320 | US | Method and apparatus for measuring heart-related parameters and deriving |
| N/A | 11/928,302 | US | Method and apparatus for measuring heart-related parameters and deriving |
| N/A | 11/928,059 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| N/A | 11/928,051 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|---|
| N/A | 11/928,027 | US | Systems, methods, and devices to determine and predict physiological states of individuals and to administer therapy, reports, notifications, and the like therefor |
| N/A | 11/927,365 | US | Apparatus for detecting human physiological and contextual information |
| N/A | 11/927,276 | US | Apparatus for detecting human physiological and contextual information |
| N/A | 11/925,908 | US | Multi-sensor system, device, and method for deriving human status information |
| N/A | 11/925,903 | US | Multi-sensor system, device, and method for deriving human status information |
| N/A | 11/925,902 | US | Apparatus, system, and method for determining and reporting sleep of an individual |
| N/A | 14/630,618 | US | Apparatus for monitoring health, wellness and fitness |
| N/A | 11/322,010 | US | Apparatus for monitoring health, wellness and fitness |
| N/A | 11/239,748 | US | Apparatus for detecting human physiological and contextual information |
| N/A | 10/638,588 | US | System for monitoring health, wellness and fitness |
| 7,689,437 | 09/595,660 | US | System for monitoring health, wellness and fitness |
| N/A | 14/630,618 | US | Wireless communications device and personal monitor |
| N/A | 14/754,679 | US | Collaborative and interactive queuing and playback of content using electronic messaging |
| N/A | 62/019,327 | US | Collaborative and interactive queuing and playback of content using electronic messaging |
| N/A | 15/243,910 | US | Feedback for television content using sensor data |
| N/A | 14/214,086 | US | Integration of sensor data and television content |
| N/A | 14/214,065 | US | Physiological rate coaching by modifying media content based on sensor data |
| N/A | 14/214,254 | US | Sleep state management by selecting and presenting audio content |
| N/A | 14/187,317 | US | Wearable devices and interfaces for managing activities responsive to physiological effects of consumables |
| N/A | 14/749,622 | US | Nutrient density determinations to select health promoting consumables and to predict consumable recommendations |
| N/A | 62/016,551 | US | Nutrient density determinations to select health promoting consumables and to predict consumable recommendations |
| N/A | 14/183,472 | US | Control of adaptive optics |
| N/A | 14/578,297 | US | Compilation of encapsulated content from disparate sources of content |
| N/A | 61/918,655 | US | Compilation of encapsulated content from disparate sources of content |
| N/A | 14/144,519 | US | Dynamic calibration of relationships of motion units |
| N/A | 14/144,494 | US | Dynamic computation of distance estimates |
| N/A | 14/541,135 | US | Alignment of components coupled to a flexible substrate for wearable devices |
| N/A | 61/903,955 | US | Alignment of components coupled to a flexible substrate for wearable devices |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| N/A | 14/541,134 | US | Conductive structures for a flexible substrate in a wearable device |
| N/A | 61/903,954 | US | Conductive structures for a flexible substrate in a wearable device |
| N/A | 14/541,064 | US | Flexible substrates for wearable devices |
| N/A | 61/903,951 | US | Flexible substrates for wearable devices |
| N/A | 14/526,503 | US | Data-capable band management in an autonomous advisory application and network communication data environment |
| N/A | 61/896,133 | US | Media device, application, and content management using sensory input determined from a data-capable watch band |
| N/A | 14/073,696 | US | Platform framework for wireless media device sensor simulation and design |
| N/A | 15/164,860 | US | Communications management for periods of inconvenience on wearable devices |
| N/A | 15/142,902 | US | Configurable adaptive optical material and device |
| N/A | 14/313,901 | US | Configurable adaptive optical material and device |
| N/A | 14/183,463 | US | Adaptive optics |
| N/A | 14/144,512 | US | Communications using tactile stimuli on wearable devices |
| N/A | 14/144,516 | US | Stress-tolerant interconnections for connectivity in wearable electronic platforms |
| N/A | 14/145,856 | US | Wearable device to detect inflammation |
| N/A | 14/181,589 | US | Embedded cap device to provide wireless signals via audio plug |
| N/A | 15/159,792 | US | Protective covering for wearable devices |
| N/A | 14/073,550 | US | Protective covering for wearable devices |
| N/A | 14/029,300 | US | A system of wearable devices with sensors that allows synchronized body motions based on haptic prompts |
| N/A | 15/245,492 | US | Selectively available information storage system |
| N/A | 61/785,743 | US | Sensing physiological characteristics in association with ear-related devices or implements |
| N/A | 13/802,319 | US | Determining physiological characteristics from sensor signals including motion artifacts |
| N/A | 13/802,305 | US | Determining physiological characteristics from sensor signals including motion artifacts |
| N/A | 13/890,143 | US | System and method for monitoring the health of a user |
| N/A | 61/644,917 | US | System and method for monitoring the health of a user |
| N/A | 15/141,715 | US | Method of estimating body fat in a user |
| N/A | 13/886,173 | US | Method of estimating body fat in a user |
| N/A | 61/642,226 | US | Method of estimating body fat in a user |
| N/A | 13/967,317 | US | Real-time psychological characteristic detection based on reflected components of light |
| N/A | 61/682,854 | US | Estimating heart rate from video in real-time |
| N/A | 61/641,672 | US | Method for determining the heart rate of a subject |
| N/A | 61/531,858 | US | Method for improving personal wellness awareness of a user |
| N/A | 61/527,730 | US | Method for motivating a behavioral change in a user to improve the health of the user |
| N/A | 13/552,462 | US | Health meter |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| N/A | 61/509,075 | US | Health meter and method for providing health-related notification to a user |
| N/A | 13/830,927 | US | Sleep management implementing a wearable data-capable device for snoring-related conditions and other sleep disturbances |
| N/A | 15/018,815 | US | Methods, systems and apparatus to affect RF transmission from a non-linked wireless client |
| N/A | 13/672,398 | US | Piezoelectric-based skin-sensitive microphone(s) (SSMS) as heart rate sensor |
| N/A | 14/207,263 | US | Identification of motion characteristics to determine activity |
| N/A | 61/802,303 | US | Identification of motion characteristics to determine activity |
| N/A | 14/207,243 | US | Intermediate motion signal extraction to determine activity |
| N/A | 61/802,171 | US | Intermediate motion signal extraction to determine activity |
| N/A | 14/207,235 | US | Dynamic control of sampling rate of motion to modify power consumption |
| N/A | 61/802,130 | US | Dynamic control of sampling rate of motion to modify power consumption |
| N/A | 14/207,221 | US | Inline calibration of motion sensor |
| N/A | 61/801,848 | US | Inline calibration of motion sensor |
| N/A | 15/434,037 | US | Methods and architecture for determining activity and activity types from sensed motion signals |
| N/A | 14/207,203 | US | Methods and architecture for determining activity and activity types from sensed motion signals |
| N/A | 61/801,775 | US | Methods and architecture for determining activity and activity types from sensed motion signals |
| N/A | 61/780,892 | US | Social data-aware wearable display system |
| N/A | 61/724,199 | US | Wearable device structure with enhanced motion detection by motion sensor |
| N/A | 13/827,754 | US | Amplifying orientation changes for enhanced motion detection by a motion sensor |
| N/A | 61/724,197 | US | Amplifying orientation changes for enhanced motion detection by a motion sensor |
| N/A | 13/830,860 | US | Platform for providing wellness assessments and recommendations using sensor data |
| N/A | 61/712,645 | US | Platform for providing wellness assessments and recommendations using sensor data |
| N/A | 61/705,591 | US | Wearable device and method to generate biometric identifier for authentication via near-field communications |
| N/A | 13/802,283 | US | Validation of biometric identification used to authenticate identity of a user of wearable sensors |
| N/A | 61/705,600 | US | Validation of biometric identification used to authenticate identity of a user of wearable sensors |
| N/A | 13/831,139 | US | Biometric identification method and apparatus to authenticate identity of a user of a wearable device that includes sensors |
| N/A | 61/705,599 | US | Biometric identification method and apparatus to authenticate identity of a user of a wearable device that includes sensors |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|--|
| N/A | 14/260,218 | US | Arrayed electrodes in a wearable device for determining physiological characteristics |
| N/A | 13/528,830 | US | System-based motion detection |
| N/A | 61/499,476 | US | Motion detection in a moving system |
| N/A | 13/549,509 | US | Efficient control of power consumption in portable sensing devices |
| N/A | 61/508,319 | US | Efficient control of power consumption in portable sensing devices |
| 9,118,488 | 13/109,839 | US | System and method for controlling access to network services using biometric authentication |
| N/A | 61/355,958 | US | System and method for controlling access to network services using biometric authentication |
| N/A | 13/831,301 | US | Devices and methods to facilitate affective feedback using wearable computing devices |
| N/A | 61/705,598 | US | Devices and methods to facilitate affective feedback using wearable computing devices |
| N/A | 13/627,997 | US | Sedentary activity management method and apparatus using data from a data-capable band for managing health and wellness |
| N/A | 13/673,857 | US | Stride calibration for wearable devices using location information |
| N/A | 13/673,846 | US | Acoustic heart rate detection |
| N/A | 62/107,411 | US | Physiological characteristics determinator |
| N/A | 14/105,146 | US | Character data generation based on transformed imaged data to identify nutrition-related data or other types of data |
| N/A | 15/447,063 | US | Sensory user interface |
| N/A | 13/405,241 | US | Wearable device and platform for sensory input |
| N/A | 13/181,498 | US | Wearable device and platform for sensory input |
| N/A | 13/433,213 | US | Nutrition management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/433,208 | US | Sleep management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/672,451 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/672,435 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/672,268 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/672,392 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/672,416 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/671,522 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|--|
| N/A | 13/671,518 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/871,843 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/673,908 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/674,083 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/674,076 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/673,874 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,433 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,431 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,427 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,426 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,160 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,419 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,416 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/670,291 | US | General health and wellness management method and apparatus for a wellness application using data from a data-capable band |
| N/A | 13/181,495 | US | Wellness application for data-capable band |
| N/A | 13/492,776 | US | Spatial and temporal vector analysis in wearable devices using accelerometric data |
| N/A | 61/572,206 | US | Spatial and temporal vector analysis in wearable devices using accelerometric data |
| N/A | 61/572,204 | US | Determinative process for wearable devices |
| N/A | 14/244,759 | US | Motion profile templates and movement languages for wearable devices |
| N/A | 13/491,524 | US | Motion profile templates and movement languages for wearable devices |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| N/A | 61/507,091 | US | Motion profile templates and movement languages for wearable devices |
| N/A | 14/144,514 | US | Data-capable band for medical diagnosis, monitoring, and treatment |
| N/A | 13/180,000 | US | Data-capable band for medical diagnosis, monitoring, and treatment |
| N/A | 61/495,996 | US | Data-capable strapband |
| N/A | 61/495,997 | US | Data-capable strapband |
| N/A | 15/431,758 | US | Authentication for wearable devices |
| N/A | 14/070,437 | US | Data-capable band management in an integrated application and network communication data environment |
| N/A | 15/447,072 | US | Data-capable band management in an integrated application and network communication data environment |
| N/A | 14/071,531 | US | Data-capable band management in an integrated application and network communication data environment |
| N/A | 13/898,451 | US | Media device, application, and content management using sensory input determined by a data-capable watchband |
| N/A | 61/495,994 | US | Data-capable strapband |
| N/A | 14/445,051 | US | Power management in a data-capable strapband |
| N/A | 61/495,995 | US | Data-capable strapband |
| N/A | 15/143,055 | US | Component protective overmolding using protective external coatings |
| N/A | 15/143,031 | US | Component protective overmolding using protective external coatings |
| N/A | 14/421,815 | US | Component protective overmolding using protective external coatings |
| N/A | 15/164,882 | US | Component protective overmolding using protective external coatings |
| N/A | 15/164,880 | US | Component protective overmolding using protective external coatings |
| N/A | 15/164,877 | US | Component protective overmolding using protective external coatings |
| N/A | 14/389,766 | US | Component protective overmolding using protective external coatings |
| N/A | 15/142,854 | US | Component protective overmolding using protective external coatings |
| N/A | 14/145,894 | US | Component protective overmolding using protective external coatings |
| N/A | 13/942,503 | US | Component protective overmolding using protective external coatings |
| N/A | 13/135,728 | US | Component protective overmolding using protective external coatings |
| N/A | 13/158416 | US | Component protective overmolding |
| N/A | 14/207,183 | US | Sensing physiological characteristics in association with ear-related devices or |
| N/A | 14/065,393 | US | Platform framework for wireless media device simulation design |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|---------------------------|---------------------------|----------------|---|
| N/A | 14/067,444 | US | Platform framework for wireless media device simulation design |
| N/A | 14/068,551 | US | Platform framework for wireless media device simulation design |
| N/A | 14/144,521 | US | Mobile device speaker control |
| N/A | 13/894,850 | US | Media device-based ecosystem and interactions with local and remote data sources |
| N/A | 13/898,474 | US | Sensor-enabled media device |
| N/A | 14/105,127 | US | Proximity-based and acoustic control of media devices for media presentations |
| N/A | 14/144,524 | US | Transformation of multiple sound field to generate a transformed reproduced sound field including modified reproductions of the multiple sound fields |
| N/A | 15/245,171 | US | Intelligent device connection for wireless media in an ad hoc acoustic network |
| N/A | 14/301,220 | US | Intelligent device connection for wireless media in an ad hoc acoustic network |
| N/A | 61/802,344 | US | Proximity sensing device control architecture and data communication protocol |
| N/A | 14/205,215 | US | Proximity sensing device control architecture and data communication protocol |
| N/A | 14/219,648 | US | Proximity sensing device control architecture and data communication protocol |
| N/A | 14/144,499 | US | Mobile device speaker control |
| N/A | 14/144,513 | US | Mobile device speaker control |
| N/A | 14/207,420 | US | Combination speaker and light source responsive to state(s) of an organism based on sensor data |
| N/A | 14/207,429 | US | Combination speaker and light source responsive to state(s) of an organism based on sensor data |
| N/A | 14/144,518 | US | Interactive positioning of perceived audio sources in a transformed reproduced sound field including modified reproductions of multiple sound fields |
| N/A | 14/212,832 | US | Combination speaker and light source responsive to state(s) of an organism based on sensor data |
| N/A | 14/209,329 | US | Network of speaker lights and wearable devices |
| N/A | 14/183,490 | US | Interacting with connectors of end devices using path selectors |
| N/A | 14/183,491 | US | Accessibility and testing for hardware interfaces of end devices using path selectors |
| N/A | 14/183,493 | US | Interacting with hardware interfaces of end devices using path selectors |
| N/A | 14/266,697 | US | Pairing devices using acoustic signals |
| N/A | 14/480,427 | US | Metalized interfaces for wearable devices |
| N/A | 14/480,070 | US | Strap band including electrodes for wearable devices and formation thereof |
| N/A | 15/164,854 | US | Strap band including electrodes for wearable devices and formation thereof |
| N/A | 15/164,857 | US | Strap band including electrodes for wearable devices and formation thereof |
| N/A | 14/480,628 | US | Wearable devices including metalized interfaces and strap-integrated sensor electrodes |

| PUBLICATION NUMBER | APPLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| N/A | 15/143,101 | US | Device-based activity classification using predictive feature analysis |
| N/A | 14/121,463 | US | Forming wearable devices that include metalized interfaces and strap-integrated sensor electrodes |
| N/A | 14/480,462 | US | Near-field antennas and methods of implementing the same for wearable pods and devices that include metalized interfaces |
| N/A | 15/079,038 | US | Near-field antennas and methods of implementing the same for wearable pods and devices that include metalized interfaces |
| 9,294,869 | 14/144,517 | US | Methods, systems and apparatus to affect RF transmission from a non-linked wireless client |
| N/A | 61/786,179 | US | Combination speaker and light source powered using light socket |
| N/A | 14/205,263 | US | Combination speaker and light source powered using light socket |
| N/A | 14/069,008 | US | Wearable charging device controller and methods |
| N/A | 15/241,059 | US | Wearable charging device controller and methods |
| N/A | 15/005,598 | US | Speaker with multiple independent audio streams |

B. Design Patents

| APPLICATION NUMBER | PUBLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|---|
| 29/393,916 | D653,149 | US | WEARABLE DEVICE |
| 29/405,625 | D695,759 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,626 | D695,760 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,627 | D695,761 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,628 | D696,273 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,630 | D696,274 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,631 | D695,762 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,633 | D699,252 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,634 | D695,763 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,623 | D696,272 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,635 | D696,275 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,636 | D695,764 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,637 | D695,765 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,638 | D695,766 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |

| APPLICATION NUMBER | PUBLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| 29/405,639 | D695,767 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,640 | D695,768 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,641 | D695,769 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,642 | D695,770 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,643 | D695,771 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,644 | D695,772 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,645 | D695,773 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,646 | D696,276 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/482,849 | D756,373 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/482,850 | D757,092 | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/482,852 | D760,240 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/482,854 | D757,034 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/482,855 | D757,035 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/482,856 | D757,036 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,674 | D756,401 | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/495,373 | D753,169 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,380 | D757,073 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,389 | D754,175 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,404 | D754,177 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,368 | D753,694 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,400 | D754,726 | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/495,395 | D754,176 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,384 | D754,174 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,390 | D753,170 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,406 | D753,172 | US | DISPLAY SCREEN OR PORTION THEREOF |

| APPLICATION NUMBER | PUBLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|--|
| | | | WITH GRAPHICAL USER INTERFACE |
| 29/495,387 | D755,219 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,394 | D753,171 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,399 | D756,400 | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/495,397 | D755,225 | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/495,376 | D754,173 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/508,180 | D729,657 | US | ACTIVITY TRACKING BAND |
| 29/508,184 | D730,211 | US | ACTIVITY TRACKING BAND |
| 29/508,185 | D729,658 | US | ACTIVITY TRACKING BAND |
| 29/508,193 | D730,224 | US | ACTIVITY TRACKING POD |
| 29/508,187 | D730,223 | US | ACTIVITY TRACKING POD |
| 29/508,196 | D730,225 | US | ACTIVITY TRACKER CARRIER |
| 29/508,205 | D729,675 | US | ACTIVITY TRACKER CARRIER |
| 29/508,200 | D729,674 | US | ACTIVITY TRACKER CARRIER |
| 29/516,012 | D738,759 | US | ACTIVITY TRACKING BAND |
| 29/516,014 | D740,702 | US | ACTIVITY TRACKING BAND |
| 29/516,015 | D740,703 | US | ACTIVITY TRACKING BAND |
| 29/517,054 | D744,357 | US | ACTIVITY TRACKING BAND |
| 29/517,056 | D744,358 | US | ACTIVITY TRACKING BAND |
| 29/516,016 | D740,140 | US | ACTIVITY TRACKING BAND |
| 29/516,017 | D739,273 | US | ACTIVITY TRACKING BAND |
| 29/256,362 | D632,396 | US | DISPLAY DEVICE WITH ALTERNATE ATTACHMENT MEANS ASSEMBLY |
| 29/434,003 | D698,028 | US | DISPLAY DEVICE SET WITH ALTERNATE ATTACHMENT MEANS |
| 29/256,753 | D631,552 | US | WEARABLE DEVICE TO MONITOR HUMAN STATUS PARAMETERS |
| 29/383,860 | D645,968 | US | WEARABLE DEVICE TO MONITOR HUMAN STATUS PARAMETERS WITH WING-TYPE ATTACHMENT MEANS |
| 29/478,533 | D753,314 | US | WEARABLE MONITORING DEVICE |
| 29/479,078 | | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/470,966 | | US | WEARABLE DEVICE |
| 29/485,103 | | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/485,118 | | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,670 | | US | DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE |
| 29/495,405 | | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/508,207 | | US | CHARGING CABLE |

| APPLICATION NUMBER | PUBLICATION NUMBER | COUNTRY | TITLE |
|--------------------|--------------------|---------|---|
| 29/495,369 | D773,503 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/495,407 | D781,319 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/405,617 | D695,758 | US | DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE |
| 29/143,975 | D460,971 | US | DOCKING CRADLE FOR AN ELECTRONIC DEVICE |
| 29/129,931 | D451,604 | US | VEST HAVING PHYSIOLOGICAL MONITORING SYSTEM |
| 29/127,587 | D439,981 | US | ARMBAND HAVING PHYSIOLOGICAL MONITORING SYSTEM |
| 29/333,427 | D609,901 | US | FABRIC CASE CARRY ACCESSORY FOR A MOBILE PHONE DEVICE |
| 29/333,428 | D610,579 | US | FABRIC POUCH CARRY ACCESSORY FOR A MOBILE PHONE DEVICE |
| 29/333,430 | D614,179 | US | BACK PLATE WITH FABRIC POUCH FOR A MOBILE PHONE DEVICE |
| 29/333,431 | D609,900 | US | HARD CASE CARRY ACCESSORY FOR A MOBILE PHONE DEVICE |
| 29/333,432 | D620,247 | US | COMPACT HARD CASE CARRY ACCESSORY FOR A MOBILE PHONE DEVICE |