

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7244258

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
VALENCELL, INC.	03/08/2022

RECEIVING PARTY DATA

Name:	WESTERN ALLIANCE BANK
Street Address:	55 ALMADEN BOULEVARD
Internal Address:	SUITE 100
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95113

PROPERTY NUMBERS Total: 126

Property Type	Number
Patent Number:	10349844
Patent Number:	10390762
Patent Number:	10076253
Patent Number:	10206627
Patent Number:	10413250
Patent Number:	10441224
Patent Number:	10536768
Patent Number:	10542896
Patent Number:	10610158
Patent Number:	10631740
Patent Number:	10856749
Patent Number:	10856812
Patent Number:	10856813
Patent Number:	10945618
Patent Number:	10966662
Patent Number:	11000231
Patent Number:	11033231
Patent Number:	11058304
Patent Number:	11109809

PATENT

Property Type	Number
Patent Number:	11129572
Patent Number:	11197636
Patent Number:	8157730
Patent Number:	8251903
Patent Number:	8320982
Patent Number:	8323982
Patent Number:	8647270
Patent Number:	8652040
Patent Number:	8700111
Patent Number:	8788002
Patent Number:	8888701
Patent Number:	8961415
Patent Number:	9427191
Patent Number:	9538921
Patent Number:	9554205
Patent Number:	9788794
Patent Number:	9794653
Patent Number:	9801552
Patent Number:	9993204
Patent Number:	D666169
Patent Number:	D719860
Patent Number:	D736935
Patent Number:	8204786
Patent Number:	8512242
Patent Number:	8652409
Patent Number:	8702607
Patent Number:	8886269
Patent Number:	8923941
Patent Number:	8929966
Patent Number:	8929965
Patent Number:	8934952
Patent Number:	8942776
Patent Number:	8989830
Patent Number:	9044180
Patent Number:	D733598
Patent Number:	9131312
Patent Number:	9289135
Patent Number:	9289175

Property Type	Number
Patent Number:	9301696
Patent Number:	9314167
Patent Number:	9521962
Patent Number:	9750462
Patent Number:	9788785
Patent Number:	9808204
Patent Number:	9955919
Patent Number:	10003882
Patent Number:	10015582
Patent Number:	10076282
Patent Number:	10092245
Patent Number:	10219069
Patent Number:	10258243
Patent Number:	10382839
Patent Number:	10413197
Patent Number:	10448840
Patent Number:	10506310
Patent Number:	10512403
Patent Number:	10542893
Patent Number:	10595730
Patent Number:	10623849
Patent Number:	10716481
Patent Number:	10716480
Patent Number:	10750954
Patent Number:	10765374
Patent Number:	10779062
Patent Number:	10798471
Patent Number:	10827979
Patent Number:	10834483
Patent Number:	10842389
Patent Number:	10842387
Patent Number:	10893835
Patent Number:	10898083
Patent Number:	10973415
Patent Number:	10987005
Patent Number:	11000190
Patent Number:	11026588
Patent Number:	11083378

Property Type	Number
Patent Number:	11109767
Patent Number:	11160460
Patent Number:	11179108
Patent Number:	11185290
Application Number:	14063669
Application Number:	16932377
Application Number:	15949331
Application Number:	17233821
Application Number:	15910711
Application Number:	15949282
Application Number:	14299233
Application Number:	14595471
Application Number:	15951845
Application Number:	16202913
Application Number:	17466827
Application Number:	16169375
Application Number:	16683884
Application Number:	16999861
Application Number:	17085545
Application Number:	16517073
Application Number:	16526700
Application Number:	16561552
Application Number:	16824235
Application Number:	17347293
Application Number:	16995127
Application Number:	17175928
Application Number:	17394565
Application Number:	16958112
Application Number:	16964941
Application Number:	17057931
Application Number:	17268026

CORRESPONDENCE DATA

Fax Number:

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: (619) 699-2708

Email: christian.cruz@us.dlapiper.com

Correspondent Name: DLA PIPER LLP (US)

Address Line 1: 401 B STREET

Address Line 2: SUITE 1700
Address Line 4: SAN DIEGO, CALIFORNIA 92101

NAME OF SUBMITTER: MATT SCHWARTZ

SIGNATURE: /s/ Matt Schwartz

DATE SIGNED: 03/24/2022

Total Attachments: 13

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of March 8, 2022, (the "Agreement") between WESTERN ALLIANCE BANK, an Arizona corporation ("Bank") and VALENCELL, INC., a Delaware corporation, ("Grantor") is made with reference to the Loan and Security Agreement, dated as of March 23, 2020 (as amended, restated or otherwise modified from time to time, including, collectively, by that certain Default Waiver and First Amendment to Loan and Security Agreement dated as of August 31, 2020, that certain Second Amendment to Loan and Security Agreement dated as of March 31, 2021, that certain Third Amendment to Loan and Security Agreement dated as of November 16, 2021 and that certain Forbearance and Fourth Amendment to Loan and Security Agreement dated as of even date herewith, collectively, the "Loan Agreement"), between Bank and Grantor. Terms defined in the Loan Agreement have the same meaning when used in this Agreement.

For good and valuable consideration, receipt of which is hereby acknowledged, Grantor hereby covenants and agrees as follows:

To secure the Obligations under the Loan Agreement, Grantor grants to Bank a security interest in all right, title, and interest of Grantor in any of the following, whether now existing or hereafter acquired or created in any and all of the following property (collectively, the "Intellectual Property Collateral"):

(a) copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held (collectively, the "Copyrights"), including the Copyrights described in Exhibit A;

(b) trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks (collectively, the "Trademarks"), including the Trademarks described in Exhibit B;

(c) patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same (collectively, the "Patents"), including the Patents described in Exhibit C;

(d) mask work or similar rights available for the protection of semiconductor chips or other products (collectively, the "Mask Works");

(e) trade secrets, and any and all intellectual property rights in computer software and computer software products;

(f) design rights;

(g) claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) amendments, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

The rights and remedies of Bank with respect to the security interests granted hereunder are in addition to those set forth Grantor hereby authorizes Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this

Agreement, and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

in the Loan Agreement, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein, and the exercise by Bank of any one or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Bank of any other rights, powers or remedies.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

GRANTOR:

VALENCELL, INC.

By: DocuSigned by:
Jon Scrimshaw; CFO

Name: Jon Scrimshaw; CFO

Title: CFO

BANK:

WESTERN ALLIANCE BANK, an Arizona corporation

By: DocuSigned by:
Brian Kirkpatrick

Name: Brian Kirkpatrick

Title: Vice President, Portfolio Management

Address for Notices:

4601 Six Forks Road, Suite 103
Raleigh, NC 27609

Address for Notices:

Attn: 55 Almaden Boulevard, Suite 100
San Jose, California 95113
Tel: (408) 556-6501
Fax:(408) 282-1681

[Signature Page to Intellectual Property Security Agreement]

EXHIBIT A

COPYRIGHTS

Please Check if No Copyrights Exist

Exhibit B
TRADEMARKS

Please Check if No Trademarks Exist

<u>Mark / Title:</u>	<u>U.S. Serial Number:</u>	<u>U.S. Registration Number:</u>	<u>USPTO Reference Number:</u>	<u>Filing Date:</u>
BENCHMARK	87019430	5376064		04/29/16
[DESIGN ONLY]	85782319	4660128		11/19/12
PERFORMTEK	85979720	4404840		05/25/12

EXHIBIT C

PATENTS

Please Check if No Patents Exist

<u>Title:</u>	<u>Patent No.:</u>	<u>Application No.:</u>	<u>Issued or Published?</u>	<u>Issue Date:</u>
Reduction of physiological metric error due to inertial cadence	10349844		Issued	07/16/19
Physiological metric estimation rise and fall limiting	10390762		Issued	08/27/19
Physiological monitoring devices having sensing elements decoupled from body motion	10076253		Issued	09/18/18
Method and apparatus for generating assessments using physical activity and biometric parameters	10206627		Issued	02/19/19
Method and apparatus for generating assessments using physical activity and biometric parameters	10413250		Issued	09/17/19
Systems and methods for adaptable presentation of sensor data	10441224		Issued	10/15/19
Optical physiological sensor modules with reduced signal noise	10536768		Issued	01/14/20
Reduction of physiological metric error due to inertial cadence	10542896		Issued	01/28/20
Physiological monitoring devices and methods that identify subject activity type	10610158		Issued	04/07/20
Reduction of physiological metric error due to inertial cadence	10631740		Issued	04/28/20
Physiological monitoring devices having sensing elements decoupled from body motion	10856749		Issued	12/08/20
Methods and apparatus for detecting motion via optomechanics	10856812		Issued	12/08/20
Method and apparatus for generating assessments using physical activity and biometric parameters	10856813		Issued	12/08/20
Physiological monitoring devices and methods for noise reduction in physiological signals based on subject activity type	10945618		Issued	03/16/21

Motion-Dependent averaging for physiological metric estimating systems and methods	10966662		Issued	04/06/21
Optical adapters for wearable monitoring devices	11000231		Issued	05/11/21
Stabilized monitoring devices	11033231		Issued	06/15/21
Methods of controlling biometric parameters via musical audio	11058304		Issued	07/13/21
Methods and systems for adaptable presentation of sensor data	11109809		Issued	09/07/21
Physiological monitoring devices with adjustable stability	11129572		Issued	09/28/21
Stabilized sensor modules and monitoring devices incorporating same	11197636		Issued	12/14/21
Physiological and environmental monitoring systems and methods	8157730		Issued	04/17/12
Noninvasive physiological analysis using excitation-sensor modules and related devices and methods	8251903		Issued	08/28/12
Multi-Wavelength optical devices and methods of using same	8320982		Issued	11/27/12
Photoelectrocatalytic fluid analyte sensors and methods of fabricating and using same	8323982		Issued	12/04/12
Form-Fitted monitoring apparatus for health and environmental monitoring	8647270		Issued	02/11/14
Telemetric apparatus for health and environmental monitoring	8652040		Issued	02/18/14
Light-Guiding devices and monitoring devices incorporating same	8700111		Issued	04/15/14
Light-Guiding devices and monitoring devices incorporating same	8788002		Issued	07/22/14
Apparatus and methods for monitoring physiological data during environmental interference	8888701		Issued	11/18/14
Methods and apparatus for assessing physiological conditions	8961415		Issued	02/24/15
Apparatus and methods for estimating time-state physiological parameters	9427191		Issued	08/30/16
Physiological monitoring devices with adjustable signal analysis and interrogation power and monitoring methods using same	9538921		Issued	01/10/17
Fitting system for a headphone with physiological sensor	9554205		Issued	01/24/17

Method and apparatus for generating assessments using physical activity and biometric parameters	9788794		Issued	10/17/17
Methods and apparatus for improving signal quality in wearable biometric monitoring devices	9794653		Issued	10/17/17
Systems and methods for variable filter adjustment by heart rate metric feedback	9801552		Issued	10/31/17
Cadence detection based on inertial harmonics	9993204		Issued	06/12/18
Monitoring earbud	D666169		Issued	08/28/12
Biometric monitor	D719860		Issued	12/23/14
Biometric monitor housing	D736935		Issued	08/18/15
Physiological and Environmental Monitoring Systems and Methods	8,204,786		Issued	06/19/12
Noninvasive Physiological Analysis Using Excitation-Sensor Modules and Related Devices and Methods	8,512,242		Issued	08/20/13
Photoelectrocatalytic Fluid Analyte Sensors Including Reference Electrodes	8,652,409		Issued	02/18/14
Targeted Advertising Systems and Methods	8,702,607		Issued	04/22/14
Wearable Light-Guiding Bands for Physiological Monitoring	8,886,269		Issued	11/11/14
Methods and Apparatus for Generating Data Output Containing Physiological and Motion-Related Information	8,923,941		Issued	12/30/14
Physiological Monitoring Methods	8,929,966		Issued	01/06/15
Light-Guiding Devices and Monitoring Devices Incorporating Same	8,929,965		Issued	01/06/15
Wearable Monitoring Devices Having Sensors and Light Guides	8,934,952		Issued	01/13/15
Physiological Monitoring Methods	8,942,776		Issued	01/27/15
Wearable Light-Guiding Devices for Physiological Monitoring	8,989,830		Issued	03/24/15
Noninvasive Physiological Analysis Using Excitation-Sensor Modules and Related Devices and Methods	9,044,180		Issued	06/02/15
Biometric Monitor	D733598		Issued	07/07/15
Physiological Monitoring Methods	9,131,312		Issued	09/08/15

Physiological Monitoring Methods	9,289,135		Issued	03/22/16
Light-Guiding Devices and Monitoring Devices Incorporating Same	9,289,175		Issued	03/22/16
Earbud Covers	9,301,696		Issued	04/05/16
Methods and Apparatus for Generating Data Output Containing Physiological and Motion-Related Information	9,314,167		Issued	04/19/16
Apparatus and Methods for Estimating Time-State Physiological Parameters	9,521,962		Issued	12/20/16
Monitoring apparatus and methods for measuring physiological and/or environmental conditions	9,750,462		Issued	09/05/17
Apparatus and Methods for Estimating Time-State Physiological Parameters	9,788,785		Issued	10/17/17
Noninvasive Physiological Analysis Using Excitation-Sensor Modules and Related Devices and Methods	9,808,204		Issued	11/07/17
Light-Guiding Devices and Monitoring Devices Incorporating Same	9,955,919		Issued	05/01/18
Fitting system for physiological sensors	10,003,882		Issued	06/19/18
Earbud monitoring devices	10,015,582		Issued	07/03/18
Wearable Monitoring Devices Having Sensors and Light Guides	10,076,282		Issued	09/18/18
Methods and Apparatus for Detecting Motion Noise and for Removing Motion Noise from Physiological Signals	10,092,245		Issued	10/09/18
Fitting system for physiological sensors	10,219,069		Issued	02/26/19
Apparatus, Systems, and Methods for Measuring Environmental Exposure and Physiological Response thereto	10,258,243		Issued	04/16/19
Methods for improving signal quality in wearable biometric monitoring devices	10,382,839		Issued	08/13/19
Apparatus, systems and methods for obtaining cleaner physiological information signals	10,413,197		Issued	09/17/19
Apparatus for generating data output containing physiological and motion-related information	10,448,840		Issued	10/22/19
Wearable Biometric Monitoring Devices and Methods for Determining Signal Quality in Wearable Biometric	10,506,310		Issued	12/10/19

Monitoring Devices				
Systems and Methods for Variable Filter Adjustment by Heart Rate Metric Feedback	10,512,403		Issued	12/24/19
Form-Fitted Monitoring Apparatus for Health and Environmental Monitoring	10,542,893		Issued	01/28/20
Physiological Monitoring Methods	10,595,730		Issued	03/24/20
Optical monitoring apparatus and methods	10,623,849		Issued	04/14/20
Apparatus, systems, and methods for monitoring and evaluating cardiopulmonary functioning	10,716,481		Issued	07/21/20
Hearing aid earpiece covers	10,716,480		Issued	07/21/20
Wearable devices with flexible optical emitters and/or detectors	10,750,954		Issued	08/25/20
Methods and apparatus for adaptable presentation of sensor data	10,765,374		Issued	09/08/20
Wearable biometric monitoring devices and methods for determining if wearable biometric monitoring devices are being worn	10,779,062		Issued	09/15/20
Methods of improving signal quality in wearable biometric monitoring devices	10,798,471		Issued	10/06/20
Wearable monitoring device	10,827,979		Issued	11/10/20
Wearable biometric monitoring devices and methods for determining if wearable biometric monitoring devices are being worn	10,834,483		Issued	11/10/20
Wearable audio devices	10,842,389		Issued	11/24/20
Apparatus for assessing physiological conditions	10,842,387		Issued	11/24/20
Physiological monitoring devices with adjustable signal analysis and interrogation power and monitoring methods using same	10,893,835		Issued	01/19/21
Wearable monitoring devices with passive and active filtering	10,898,083		Issued	01/26/21
Form-Fitted Monitoring Apparatus for Health and Environmental Monitoring	10,973,415		Issued	04/13/21
Systems and methods for presenting personal health information	10,987,005		Issued	04/27/21

Apparatus, systems and methods for obtaining cleaner physiological information signals	11,000,190		Issued	05/11/21
Methods and apparatus for detecting motion noise and for removing motion noise from physiological signals	11,026,588		Issued	05/21/21
Wearable apparatus having integrated physiological and/or environmental sensors	11,083,378		Issued	08/10/21
Apparatus, systems and methods for obtaining cleaner physiological information signals	11,109,767		Issued	09/07/21
Physiological monitoring methods	11,160,460		Issued	11/02/21
Physiological monitoring devices and methods using optical sensors	11,179,108		Issued	11/23/21
Physiological monitoring devices and methods using optical sensors	11,185,290		Issued	11/30/21
METHODS AND APPARATUS FOR PHYSIOLOGICAL AND ENVIRONMENTAL MONITORING WITH OPTICAL AND FOOTSTEP SENSORS		14063669	Published	02/20/14
APPARATUS, SYSTEMS AND METHODS FOR MONITORING AND EVALUATING CARDIOPULMONARY FUNCTIONING		16932377	Published	11/05/20
PHYSIOLOGICAL MONITORING APPARATUS AND NETWORKS		15949331	Published	08/09/18
WEARABLE APPARATUS HAVING INTEGRATED PHYSIOLOGICAL AND/OR ENVIRONMENTAL SENSORS		17233821	Published	08/05/21
PHYSIOLOGICAL MONITORING APPARATUS		15910711	Published	07/05/18
EARPIECE MONITOR		15949282	Published	08/16/18
APPARATUS, SYSTEMS, AND METHODS FOR MEASURING ENVIRONMENTAL EXPOSURE AND PHYSIOLOGICAL RESPONSE THERETO		14299233	Published	09/25/14
Physiological Monitoring Methods		14595471	Published	05/21/15
Wearable Devices For Physiological Monitoring		15951845	Published	08/16/18
EAR-WORN DEVICES FOR		16202913	Published	04/04/19

PHYSIOLOGICAL MONITORING				
Physiological Monitoring Methods and Apparatus		17466827	Published	12/23/21
HEADSETS WITH ANGLED SENSOR MODULES		16169375	Published	02/21/19
SYSTEMS AND METHODS FOR VARIABLE FILTER ADJUSTMENT BY HEART RATE METRIC FEEDBACK		16683884	Published	03/12/20
PHYSIOLOGICAL MONITORING DEVICES HAVING SENSING ELEMENTS DECOUPLED FROM BODY MOTION		16999861	Published	12/03/20
Physiological Monitoring Devices with Adjustable Signal Analysis and Interrogation Power and Monitoring Methods Using Same		17085545	Published	02/18/21
Physiological Monitoring Devices and Methods Using Optical Sensors		16517073	Published	11/07/19
Physiological Monitoring Devices and Methods Using Optical Sensors		16526700	Published	11/21/19
Physiological Monitoring Devices and Methods Using Optical Sensors		16561552	Published	01/02/20
Physiological Monitoring Devices and Methods Using Optical Sensors		16824235	Published	07/09/20
METHODS OF DETERMINING VENTILATORY THRESHOLD		17347293	Published	09/30/21
METHODS AND APPARATUS FOR DETECTING MOTION VIA OPTOMECHANICS		16995127	Published	12/03/20
PHYSIOLOGICAL MONITORING DEVICES AND METHODS FOR NOISE REDUCTION IN PHYSIOLOGICAL SIGNALS BASED ON SUBJECT ACTIVITY TYPE		17175928	Published	06/03/21
METHODS AND SYSTEMS FOR ADAPTABLE PRESENTATION OF SENSOR DATA		17394565	Published	12/23/21
METHODS OF DETERMINING PHYSIOLOGICAL INFORMATION BASED ON BAYESIAN PEAK SELECTION AND MONITORING DEVICES INCORPORATING THE SAME		16958112	Published	10/29/20
EAR GEL MODULES AND EARPIECE MONITORING DEVICES INCORPORATING SAME		16964941	Published	02/11/21

Biometric Sensor Head Assembly		17057931	Published	09/30/21
HEARING AID DEVICE WITH BIOMETRIC SENSOR		17268026	Published	06/03/21