

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4096570

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
RELIEFBAND TECHNOLOGIES LLC	10/12/2016

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 20**

Property Type	Number
Patent Number:	9254382
Patent Number:	6076018
Patent Number:	7127288
Patent Number:	6735480
Patent Number:	7983761
Patent Number:	7171276
Patent Number:	6567695
Patent Number:	7171266
Patent Number:	6228103
Patent Number:	6361550
Patent Number:	6582449
Patent Number:	6178352
Patent Number:	6658298
Patent Number:	6192889
Patent Number:	6282443
Patent Number:	6718202
Patent Number:	7089061
Patent Number:	6272383
Patent Number:	6535760
Patent Number:	6179756

PATENT

**CORRESPONDENCE DATA****Fax Number:** (650)644-0520*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:** (650) 648-3802**Email:** patty@pattycheng.com**Correspondent Name:** PATTY CHENG**Address Line 1:** 2625 MIDDLEFIELD ROAD, SUITE 215**Address Line 4:** PALO ALTO, CALIFORNIA 94306**ATTORNEY DOCKET NUMBER:** 1-1267**NAME OF SUBMITTER:** PATTY CHENG**SIGNATURE:** /s/ Patty Cheng**DATE SIGNED:** 10/13/2016**Total Attachments: 8**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of October 12, 2016 (the "Agreement") between ReliefBand Technologies LLC, a Delaware limited liability company ("Grantor"), as assignee of Relief Band Medical Technology LLC, Neurowave Medical Technologies LLC and Reliefband Medical Technologies LLC, and WESTERN ALLIANCE BANK, an Arizona corporation ("Lender") is made with reference to the Loan and Security Agreement, dated as of October 12, 2016 (as amended from time to time, the "Loan Agreement"), between Lender 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 Lender 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 of 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 Grantor 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 Lender with respect to the security interests granted hereunder are in addition to those set forth in the Loan Agreement, and those which are now or hereafter available to Lender as a matter of law or equity. Each right, power and remedy of Lender 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 Lender of any one or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Lender of any other rights, powers or remedies.

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

GRANTOR:

RELIEFBAND TECHNOLOGIES LLC

By: 

Name: Norm Spier

Title: President & CEO

LENDER:

WESTERN ALLIANCE BANK

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address for Notices:

220 Gibraltar Road, Suite 270  
Horsham, PA 19044  
Attn: President

Address for Notices:

55 Almaden Boulevard, Suite 100  
San Jose, California 95113  
Attn: Note Department  
Fax: (408) 282-1581



EXHIBIT A

COPYRIGHTS

Please Check if No Copyrights Exist  \*

<u>Type of Work:</u>	<u>Title:</u>	<u>International Standard Serial Number (ISSN):</u>	<u>Registration Number:</u>	<u>Filing Date:</u>	<u>Pre - registered?</u>

\* Borrower has not registered any copyrights and is not presently aware of any registered or unregistered copyrights that it may have acquired when it acquired all of the assets of Reliefband Medical Technologies LLC, an Illinois limited liability company, in 2015. Borrower will provide Bank with an updated Exhibit A promptly upon it becoming aware of any existing copyrights it may have acquired.

EXHIBIT B

TRADEMARKS

Please Check if No Trademarks Exist

<u>Mark / Title:</u>	<u>Serial Number:</u>	<u>Registration Number:</u>	<u>Filing/Registration Date:</u>	<u>Country</u>
ADVENTURER	78000892	2512780	11/27/2001	US*
DISCOVERER	78035563	2507222	11/13/2001	US*
EXPLORER	78005751	2495129	10/2/2001	US*
NOMETEX	1502777	TMA863376	10/23/2013	Canada
NOMETEX	9497686	9497686	4/26/2011	EU
NOMETEX	85045592	4007283	8/2/2011	US+
PRIMABELLA	1502778	TMA829285	8/7/2012	Canada
PRIMABELLA	9497751	9497751	4/26/2011	EU
PRIMABELLA	77834453	3887652	12/7/2010	US+
PRIMABELLA & DESIGN	77861619	3881348	11/23/2010	US+
RELETEX	1502779	TMA865270	11/18/2013	Canada
RELETEX	9497512	9497512	4/26/2011	EU
RELETEX	85045589	4007282	8/2/2011	US+
RELIEFBAND	870727	870727	3/27/2001	Australia
RELIEFBAND	2001060285	1747155		China
RELIEFBAND	200105084	B110562003	3/29/2001	Hong Kong
RELIEFBAND	2001052135	4598789		Japan
RELIEFBAND	635109	635109	11/4/2002	New Zealand
RELIEFBAND	200106395		4/7/2001	South Africa
RELIEFBAND	90600069	998575	5/16/2002	Taiwan
RELIEFBAND	78645971	3260073	7/10/2007	US*
RELIEFBAND	1095896	P200061		Venezuela
RELIEF-BAND	0729070	TMA432457	8/26/1994	Canada
RELIEF-BAND	1574532	1574532	6/12/2001	EU

\* Assigned from Relief Band Medical Technology LLC

+ Assigned from Neurowave Medical Technologies LLC

## EXHIBIT C

## PATENTS

Please Check if No Patents Exist 

<u>Title:</u>	<u>Patent Number:</u> <u>Issue Date</u>	<u>Application No.</u> <u>Filing Date:</u>	<u>Country</u>
Apparatus of transcutaneous electrical stimulation of the tibial nerve	9254382		US
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	US 6,076,018 13-Jun-2000	09/148837 04-Sep-1998	US*
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	US 7,127,288 24-Oct-2006	10/395990 24-Mar-2003	US*
LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY	AU 766463 29-Jan-2004	199957949 31-Aug-1999	Australia
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	AU 2004200090 24-Oct-2006	2004200090 24-Mar-2003	Australia
METHOD AND APPARATUS FOR LOW POWER, REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	CA 2342873 06-Nov-2012	2342873 31-Aug-1999	Canada
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	EP 1 109 595 11-Feb-2009	99945333.5 31-Aug-1999	European Patent
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	FR 1 109 595 11-Feb-2009	99945333.5 31-Aug-1999	France
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	DE 69940405.3 11-Feb-2009	99945333.5 31-Aug-1999	Germany
METHOD AND APPARATUS FOR LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY DEVICES	GB 1 109 595 11-Feb-2009	99945333.5 31-Aug-1999	UK
LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY	JP 4220129 21-Nov-2008	200568549 31-Aug-1999	Japan



LOW POWER REGULATED OUTPUT IN BATTERY POWERED ELECTROTHERAPY	JP 4812810 02-Sep-2011	2008-156790 31-Aug-1999	Japan
ELECTRO-ACUPUNCTURE DEVICE WITH D-SHAPED STIMULATION ELECTRODES	US 6,735,480 11-May-2004	09/896968 29-Jun-2001	US*
ELECTRO-ACUPUNCTURE DEVICE WITH D-SHAPED STIMULATION ELECTRODES	US 7,983,761 19-Jul-2011	11/941724 16-Nov-2007	US*
ELECTRO-ACUPUNCTURE DEVICE WITH D-SHAPED STIMULATION ELECTRODES	AU 2002305786 6-Nov-2008	2002305786 31-May-2002	Australia
ELECTRO-ACUPUNCTURE DEVICE WITH COMPRESSIBLE GASKET	CA 2449554 18-Sep-2012	2449554 31-May-2002	Canada
HYDROGEL AND SCRIM ASSEMBLY FOR USE WITH ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODES	US 7,171,276 30-Jan-2007	09/896977 29-Jun-200	US*
HYDROGEL AND SCRIM ASSEMBLY FOR USE WITH ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODES	AU 2002312502 21-Nov-2008	2002312502 12-Jun-2002	Australia
HYDROGEL AND SCRIM ASSEMBLY FOR USE WITH ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODES	CA 2449556 15-May-2012	2449556 12-Jun-2002	Canada
HYDROGEL AND SCRIM ASSEMBLY FOR USE WITH ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODES	TW 189685 26-Feb-2004	091113720 20-Jun-2002	Taiwan
ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODE ASSEMBLY	US 6,567,695 20-May-2003	09/722258 24-Nov-2000	US*
ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODE ASSEMBLY	US 7,171,266 30-Jan-2007	10/441803 19-May-2003	US*
ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODE ASSEMBLY	AU 2002216687 09-Nov-2006	2002216687 20-Nov-2001	Australia
ELECTRO-ACUPUNCTURE DEVICE WITH STIMULATION ELECTRODE ASSEMBLY	CA 2429677 11-Oct-2011	2429677 20-Nov-2001	Canada
AUTOMATICALLY MODULATING ACUPUNCTURE DEVICE	US 6,228,103 08-May-2001	09/489665 19-Jan-2000	US*
AUTOMATICALLY MODULATING ACUPUNCTURE DEVICE	US 6,361,550 26-Mar-2002	09/843436 26-Apr-2001	US*

AUTOMATICALLY MODULATING ACUPUNCTURE DEVICE	US 6,582,449 24-Jun-2003	10/107880 26-Mar-2002	US*
METHOD OF BLOOD PRESSURE MODERATION	US 6,178,352 23-Jan-2001	09/307272 07-May-1999	US*
METHOD OF BLOOD PRESSURE MODERATION	US 6,658,298 02-Dec-2003	10/150570 16-May-2002	US*
METHOD OF SUPPRESSION AND PREVENTION OF THE GAG REFLEX	US 6,192,889 27-Feb-2001	09/072616 05-May-1998	US*
METHOD OF TREATMENT OF DYSMENORRHEA OR RELIEVING MENSTRUAL CRAMPS	US 6,282,443 28-Aug-2001	09/461559 14-Dec-1999	US*
METHOD OF TREATMENT OF DYSMENORRHEA OR RELIEVING MENSTRUAL CRAMPS	US 6,718,202 06-Apr-2004	09/933326 20-Aug-2001	US*
DEVICE AND METHOD OF NAUSEA SUPPRESSION	US 7,089,061 08-Aug-2006	10/229596 27-Aug-2002	US*
ELECTRO-ACUPUNCTURE METHOD	US 6,272,383 07-Aug-2001	09/345609 28-Jun-1999	US*
ELECTRO-ACUPUNCTURE METHOD	US 6,535,760 18-Mar-2003	09/923671 06-Aug-2001	US*
EXERCISE METHOD AND APPARATUS FOR RELIEVING HIP AND BACK PAIN	US 6,179,756 30-Jan-2001	08/126336 23-Sep-1993	US*

\* Assigned from Relief Band Medical Technologies LLC