

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM745657

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
BIOWAVE CORPORATION		07/29/2022	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	CONNECTICUT INNOVATIONS, INCORPORATED		
<b>Street Address:</b>	470 James Street, Suite 8		
<b>City:</b>	New Haven		
<b>State/Country:</b>	CONNECTICUT		
<b>Postal Code:</b>	06513		
<b>Entity Type:</b>	Corporation: CONNECTICUT		
<b>PROPERTY NUMBERS Total: 8</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3163117	BIOWAVE	
<b>Registration Number:</b>	4932692	BIOWAVEHOME	
<b>Registration Number:</b>	4297794	BIOWAVEPRO	
<b>Registration Number:</b>	5883389	BIOWAVE SMARTER PAIN BLOCKING TECHNOLOGY	
<b>Registration Number:</b>	5883391	BIOWAVEGO SMARTER PAIN BLOCKING TECHNOLO	
<b>Registration Number:</b>	5883384	B	
<b>Registration Number:</b>	5883371	BIOWAVEGO	
<b>Registration Number:</b>	5883372	BIOWAVEPENS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	8605482680		
<i>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.</i>			
<b>Phone:</b>	860-509-5347		
<b>Email:</b>	cguilmette@uks.com		
<b>Correspondent Name:</b>	Gregg J. Lallier, Esquire		
<b>Address Line 1:</b>	Goodwin Square, 225 Asylum Street		
<b>Address Line 2:</b>	Updike, Kelly & Spellacy, P.C.		
<b>Address Line 4:</b>	Hartford, CONNECTICUT 06103		
<b>NAME OF SUBMITTER:</b>	CHRISTINE GUILMETTE		
<b>SIGNATURE:</b>	/CHRISTINE GUILMETTE/		

OP \$215.00 3163117

**DATE SIGNED:**

08/03/2022

**Total Attachments: 12**

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**AMENDED AND RESTATED  
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This **AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this "**Agreement**") is made as of July 29, 2022, between **BIOWAVE CORPORATION**, a Delaware corporation (the "**Debtor**") and **CONNECTICUT INNOVATIONS, INCORPORATED** (the "**Secured Party**").

**WITNESSETH**

**WHEREAS**, pursuant to the terms of a certain Loan Agreement dated as of January 30, 2020 between Debtor and Secured Party (the "**2020 Loan Agreement**"), Secured Party has agreed to make a loan to Debtor; and

**WHEREAS**, in connection with the 2020 Loan Agreement, the Debtor granted a security interest in its property to the Secured Party pursuant to the terms of that certain Security Agreement between Debtor and Secured Party dated as of January 30, 2020 (as amended and in effect, the "**Original Security Agreement**");

**WHEREAS**, in connection with, and supplemental to, the 2020 Security Agreement, the Debtor and Secured Party entered into that certain Intellectual Property Security Agreement between Debtor and Secured Party dated as of January 30, 2020 (as amended and in effect, the "**Original IP Security Agreement**");

**WHEREAS**, pursuant to the terms of a certain Loan and Warrant Purchase Agreement dated as of the date hereof between Debtor and Secured Party (as amended and in effect, the "**2022 Loan Agreement**", and collectively with the 2020 Loan Agreement, the "**Loan Agreements**"), Secured Party has agreed to make a loan in the principal amount of \$1,000,000 (the "**2022 Loan**") to Debtor;

**WHEREAS**, is a condition precedent to the obligation of the Secured Party to enter into the 2022 Loan Agreement and make the 2022 Loan that the Original Security Agreement and the Original IP Security Agreement be amended and restated in its entirety pursuant to a certain Amended and Restated Security Agreement dated as of the date hereof between Debtor and Secured Party (the "**Security Agreement**") and this Agreement, in order to, among other things, have the 2022 Loan, and the obligations under the 2022 Loan Agreement, be secured by the security interest granted herein; and

**WHEREAS**, this Agreement is supplemental to the provisions contained in the Security Agreement;

**NOW, THEREFORE**, in consideration of the premises and to induce the Secured Party to enter into the 2022 Loan Agreement and extend the 2022 Loan, the parties hereto, in consideration of the mutual covenants set forth herein, hereby agree to amend and restate the Original IP Security Agreement in its entirety, and further agree, as follows:

1. **DEFINITIONS.** Unless otherwise defined herein, terms which are defined in the Security Agreement and used herein are so used as so defined. The following terms shall have the following meanings:

“**Copyrights**” means (a) all copyrights of the United States or any other country, including, without limitation, any thereof referred on **Schedule A** attached hereto; and (b) all copyright registrations filed in the United States or in any other country, including, without limitation, any thereof referred to on **Schedule A** attached hereto.

“**Domain Names**” means all domain names and domain name registration applications that are owned by Debtor or in which Debtor has any right, title or interest, now or in the future, including but not limited to all derivatives or variations, whether authorized or unauthorized, including those listed on **Schedule A** attached hereto.

“**Event of Default**” shall have the collective meanings set forth for such terms in the Loan Agreements.

“**Patents**” means (a) all letters patent of the United States and all reissues and extensions thereof; and (b) all applications for letters patent of the United States and all divisions, continuations and continuations-in-part thereof or any other country, including, without limitation, any thereof referred to on **Schedule A** attached hereto.

“**Registry**” means, as applicable, (a) any domain name registry with whom the Domain Names are registered, (b) the U.S. Copyright Office or any comparable office of any foreign jurisdiction with whom Copyrights are registered or (c) the U.S. Patent & Trademark Office or any comparable office of any state or foreign jurisdiction with whom Trademarks or Patents are registered.

“**Trademarks**” means (a) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos and other source or business identifiers and the goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith (and the goodwill associated therewith), trademark and service mark rights, trademark and service mark registrations and registration applications, whether registered in the U.S. Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof or otherwise, including, without limitation, any thereof referred to on **Schedule A** attached hereto; (b) all renewals thereof; and (c) all goodwill of the business connected with the use of and symbolized by the Trademarks.

2. **SECURITY INTEREST.**

2.1. **Security Interest.** As collateral security for the payment and performance in full of all of the Obligations, Debtor hereby unconditionally grants to the Secured Party a continuing security interest in and lien on the Domain Names, Trademarks, Patents and Copyrights that constitute Collateral, and all Proceeds (as defined in the Security Agreement) of any of the foregoing. Notwithstanding the foregoing, there shall be no security interest or Lien on any Trademark application that is filed on an “intent-to-use” basis (until such time as a statement of

use is filed with respect to such application and duly accepted by the United States Patent and Trademark Office). Debtor hereby authorizes the Secured Party to take other appropriate steps to transfer effective ownership and control of such Domain Names, Trademarks, Patents and Copyrights, with the respective Registry upon the occurrence and during the continuance of an Event of Default and the exercise of the remedies of the Secured Party under this Agreement and the Security Agreement.

**2.2. Supplemental Security Agreement.** Pursuant to the Security Agreement, Debtor has granted to the Secured Party a continuing security interest in and lien on the Collateral (including certain Domain Names, Trademarks, Patents and Copyrights). The Security Agreement, and all rights and interests of the Secured Party in and to the Collateral (including such Domain Names, Trademarks, Patents and Copyrights) thereunder, are hereby ratified and confirmed in all respects, and are hereby incorporated herein by reference thereto. In no event shall this Agreement, the grants hereunder, or the recordation of this Agreement (or any document hereunder) with the respective Registry adversely affect or impair, in any way or to any extent, the Security Agreement, the security interest of the Secured Party in the Collateral (including the Domain Names, Trademarks, Patents and Copyrights that constitute Collateral) pursuant to the Security Agreement and this Agreement, the attachment and perfection of such security interest under the UCC (including the security interest in such Domain Names, Trademarks, Patents and Copyrights), or any present or future rights and interests of the Secured Party in and to the Collateral under or in connection with the Security Agreement, this Agreement or the UCC. Any and all rights and interests of the Secured Party in and to the Domain Names, Trademarks, Patents and Copyrights that constitute Collateral (and any and all Obligations of Debtor with respect to such Domain Names, Trademarks, Patents and Copyrights) provided herein, or arising hereunder or in connection herewith, shall only supplement and be cumulative and in addition to the rights and interests of the Secured Party (and the Obligations of Debtor) in, to or with respect to the Collateral (including such Domain Names, Trademarks, Patents and Copyrights) provided in or arising under or in connection with the Security Agreement and shall not be in derogation thereof. THE SECURED PARTY DOES NOT ASSUME ANY LIABILITY ARISING IN ANY WAY BY REASON OF HOLDING SUCH COLLATERAL.

### **3. AFTER-ACQUIRED INTELLECTUAL PROPERTY.**

**3.1. After-Acquired Domain Names, Copyrights, Trademarks and Patents.** If, before the Obligations shall have been finally paid and satisfied in full, Debtor shall obtain any right, title or interest in or to any other or new Domain Names, Trademarks, Copyrights or Patents that constitute Collateral, or become entitled to the benefit of any such Domain Names, Trademarks, Copyrights or Patents or any variation or improvement on any of such Collateral, the provisions of this Agreement and the Security Agreement shall automatically apply thereto and Debtor shall promptly give to the Secured Party notice thereof in writing and execute and deliver to the Secured Party such documents or instruments as the Secured Party may reasonably request further to implement, preserve or evidence the interests of the Secured Party therein.

3.2. Amendment to Schedule. Debtor authorizes the Secured Party to modify this Agreement, without the necessity of Debtor's further approval or signature, by amending Schedule A hereto to include any future or other Domain Names, Trademarks, Copyrights or Patents under Section 2 or Section 3 hereof that constitute Collateral and/or to delete Domain Names, Trademarks, Copyrights or Patents terminated by Debtor.

4. NO ASSUMPTION OF LIABILITY. NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, THE SECURED PARTY DOES NOT ASSUME ANY LIABILITIES OF THE DEBTOR WITH RESPECT TO ANY CLAIM OR CLAIMS REGARDING THE DEBTOR'S OWNERSHIP OR PURPORTED OWNERSHIP OF, OR RIGHTS OR PURPORTED RIGHTS ARISING FROM, ANY OF THE DOMAIN NAMES, COPYRIGHTS, TRADEMARKS OR PATENTS THAT CONSTITUTE COLLATERAL, OR ANY PRACTICE, USE, LICENSE OR SUBLICENSE THEREOF, WHETHER ARISING OUT OF ANY PAST, CURRENT OR FUTURE EVENT, CIRCUMSTANCE, ACT OR OMISSION OR OTHERWISE. ALL OF SUCH LIABILITIES SHALL BE EXCLUSIVELY BORNE BY THE DEBTOR, AND THE DEBTOR SHALL INDEMNIFY THE SECURED PARTY FOR ANY AND ALL COSTS, EXPENSES, DAMAGES AND CLAIMS, INCLUDING LEGAL FEES, INCURRED BY THE SECURED PARTY WITH RESPECT TO SUCH LIABILITIES.

5. RIGHTS AND REMEDIES CUMULATIVE. The rights and remedies of the Secured Party with respect to the Domain Names, Copyrights, Trademarks and Patents that constitute Collateral, whether established hereby, by the Security Agreement or by any other agreements or by law, shall be cumulative and may be exercised singularly or concurrently. This Agreement is supplemental to the Security Agreement, and nothing contained herein shall in any way derogate from any of the rights or remedies of the Secured Party contained therein. Nothing contained in this Agreement shall be deemed to extend the time of attachment or perfection of or otherwise impair the security interest in any of the Collateral granted to the Secured Party under the Security Agreement.

6. AMENDMENT AND WAIVER. This Agreement may only be amended, and any provision hereunder may only be waived, pursuant to the Security Agreement.

7. FILINGS. The Secured Party may at any time and from time to time, at Debtor's expense, file, or have Secured Party's representatives or agents file, a copy of this Agreement with the U.S. Patent & Trademark Office, the U.S. Copyright Office or any other filing authority.

8. COUNTERPARTS. This Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all such counterparts together shall constitute but one agreement (notwithstanding that all of the parties are not signatories to the original or the same counterpart, or that signature pages from different counterparts are combined), and it shall not be necessary when making proof of this Agreement or any counterpart thereof to account for any other counterpart, and the signature of any party to any counterpart shall be deemed to be a signature to and may be appended to any other counterpart. For purposes of this Agreement, a document (or signature page thereto) signed and transmitted by facsimile machine or other electronic means is to be treated as an original document. The signature of any party on any such document, for purposes hereof, is to be

considered as an original signature, and the document transmitted is to be considered to have the same binding effect as an original signature on an original document. At the request of any party, any facsimile or other electronic signature is to be re-executed in original form by the party which executed the facsimile or other electronic signature. No party may raise the use of a facsimile machine or other electronic means, or the fact that any signature was transmitted through the use of a facsimile machine or other electronic means, as a defense to the enforcement of this Agreement.

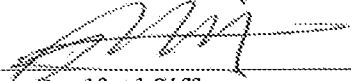
**[Intentionally Left Blank - Signature Page(s) to Follow]**

[Signature Page to Amended and Restated Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the foregoing Amended and Restated Intellectual Property Security Agreement is signed and delivered on the date first set forth above.

**DEBTOR:**

**BIOWAVE CORPORATION**

By:   
Name: Bradford Siff  
Title: President

**SECURED PARTY:**

**CONNECTICUT INNOVATIONS, INCORPORATED**

By: \_\_\_\_\_  
Name: Matthew Storeygard  
Title: Managing Director, Investments



**[Signature Page to Amended and Restated Intellectual Property Security Agreement]**

IN WITNESS WHEREOF, the foregoing Amended and Restated Intellectual Property Security Agreement is signed and delivered on the date first set forth above.

**DEBTOR:**

**BIOWAVE CORPORATION**

By: \_\_\_\_\_  
Name: Bradford Siff  
Title: President

**SECURED PARTY:**

**CONNECTICUT INNOVATIONS, INCORPORATED**

DocuSigned by:  
By: Matthew Storeygard  
Name: Matthew Storeygard  
Title: Managing Director, Investments



Schedule A

**Technology and Intellectual Property**

All of Debtor's right, title and interest in and to its Technology and Intellectual Property. Notwithstanding the foregoing, there shall be no security interest or Lien on any Trademark application that is filed on an "intent-to-use" basis (until such time as a statement of use is filed with respect to such application and duly accepted by the United States Patent and Trademark Office). "Technology and Intellectual Property" shall mean all know-how, show how, technology, inventions, developments, trade secrets, computer programs (including the models, algorithms, source and object code thereto), customer lists, trade names, trade name rights, trademark and service mark rights, trademark and service mark registrations and registration applications (and the goodwill associated therewith), patents, patent rights, patent applications, copyrights, and copyright registrations and registration applications, all licenses in connection with any of the foregoing, all reissues, divisions, continuations, extensions, renewals and continuations-in-part of any of the foregoing, and all rights in connection therewith including all claims against third parties for past, present or future infringement of any of the foregoing; all licenses, permits, and agreements of any kind or nature pursuant to which Debtor possesses, uses or has authority to possess or use intangible property of others, or others possess, use or have authority to possess or use intangible property of Debtor; and all recorded data of any kind or nature regardless of the medium of recording, including without limitation all software, code, writings, plans, specifications and schematics, whether now owned or hereafter acquired or arising, including but not limited to the following patents, copyrights and trademarks:

**Trademarks**

Mark	Country	Application Number
BIOWAVE	CANADA	Reg. 10/12/2016 Reg. TMA951,943
BIOWAVE	UNITED STATES	Reg. 10/24/2006 Reg. 3,163,117
BIOWAVE	WIPO	Reg. 11/9/2004 Reg. 841483
BIOWAVEHOME	UNITED STATES	Reg. 4/5/2016 Reg. 4,932,692
BIOWAVEPRO	UNITED STATES	Reg. 3/5/2013 Reg. 4,297,794

<p>BIO/WAVE SMARTER PAIN BLOCKING TECHNOLOGY</p> 	<p>UNITED STATES</p>	<p>Reg. 5,883,389 10/15/2019</p>
<p>BIO/WAVEGO SMARTER PAIN BLOCKING TECHNOLOGY</p> 	<p>UNITED STATES</p>	<p>Reg. 5,883,391 10/15/2019</p>
	<p>UNITED STATES</p>	<p>Reg. 5,883,384 10/15/2019</p>

BIOWAVEGO	UNITED STATES	Reg. Reg. 5,883,371	10/15/2019
BIOWAVEPENS	UNITED STATES	Reg. Reg. 5,883,372	10/15/2019

Patents

Patent	Brief Description	Patent Type	Application Number	Filing Date	Patent Issue Date	Patent Number
Electro Therapy Method And Apparatus	BioWave electrical signal technology	Utility			6/24/2003	US6584358
Electro Therapy Method And Apparatus	BioWave electrical signal technology	Utility			7/6/2004	US6760627
Electro Therapy Method And Apparatus	BioWave electrical signal technology	Utility			2/14/2004	US6792315
Electro Therapy Method And Apparatus	BioWave electrical signal technology	Utility			2/8/2005	US6853863
Percutaneous Array	Electrode BioWave electrode technology	Utility			3/14/2006	US7013179
Percutaneous Array	Electrode BioWave electrode technology	Utility			10/31/2006	US7130696
Noninvasive Percutaneous Stimulation	OnA system and method of nerve stimulating a patient	Utility + Method			12/29/2015	US9220895
BioWaveGO Patent	Design Neurostimulation medical device having multifunction meter and angled lead connector	Design	US-62/749233	10/23/2018		

Patent	Brief Description	Patent Type	Application Number	Filing Date	Patent Issue Date	Patent Number
Electrotherapy neurostimulation device	and digital signal feedback control system	Utility	29/667557	10/23/2018		

**Domain Names**

Domain Name	Expires	Purpose
biowave.com	12/28/24	Main website domain
biowave.co	7/21/20	Protection of name
biowave.biz	11/6/21	Protection of name
biowave.info	9/13/21	Protection of name
biowave.org	4/1/20	Protection of name
biowavepro.com	5/14/22	GO website and Shopify location
biowavehome.com	10/23/24	Protection of product name
biowavehome.info	7/27/20	Protection of product name
biowavehome.net	10/23/24	Protection of product name
biowavemedical.com	2/21/22	Reserved for future use
biowavepro.com	10/23/24	Protection of product name
biowavepro.net	10/23/24	Protection of product name
biowaveworks.com	2/14/22	Reserved for future use
buybiowave.com	2/14/22	Reserved for future use with GO
therawave.com	10/4/20	Reserved for future use
therawave.net	10/4/20	Reserved for future use
therawave.online	7/23/20	Reserved for future use

Copyrights

Copyright	Reg. No.	Description
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