

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM660389

<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>
Sanuwave, Inc.		08/06/2020	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	NH EXPANSION CREDIT FUND HOLDINGS LP		
<b>Street Address:</b>	1585 Broadway, 39th Floor		
<b>Internal Address:</b>	Attn: Debra Abramovitz		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10036		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	90134028	ENERGY FIRST	
<b>Serial Number:</b>	90134050	ENERGY FIRST	
<b>Serial Number:</b>	90134057	ENERGY FIRST	
<b>Serial Number:</b>	90145913	HEALING TODAY. CURING TOMORROW.	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	6167423999		
<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>	6167423945		
<b>Email:</b>	hkooy@btlaw.com		
<b>Correspondent Name:</b>	Hillary Kooy		
<b>Address Line 1:</b>	171 Monroe Ave NW, Suite 1000		
<b>Address Line 2:</b>	Barnes & Thornburg LLP		
<b>Address Line 4:</b>	Grand Rapids, MICHIGAN 49503		
<b>NAME OF SUBMITTER:</b>	Hillary Kooy		
<b>SIGNATURE:</b>	/Hillary Kooy/		
<b>DATE SIGNED:</b>	07/15/2021		
<b>Total Attachments: 14</b>			

OP \$115.00 90134028

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page1.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page2.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page3.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page4.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page5.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page6.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page7.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page8.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page9.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page10.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page11.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page12.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page13.tif

source=4b.) NH Expansion Credit - Sanuwave, Inc. - IP Security Agreement  
(8.2020)\_Executed(17866045.1)#page14.tif

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT**, dated as of August 6, 2020 (this "**Agreement**"), by and between **NH EXPANSION CREDIT FUND HOLDINGS LP** ("**North Haven Expansion**"), as agent (in such capacity, together with its successors and permitted assigns, the "**Agent**"), on behalf of the Holders (as defined below), and **SANUWAUVE, INC.**, a Delaware corporation ("**Grantor**"), is made with reference to (i) that certain Note and Warrant Purchase and Security Agreement, dated as of the date hereof, as amended, restated, amended and restated, supplemented or otherwise modified from time to time, by and among Agent, the Holders from time to time signatory hereto, including North Haven Expansion in its capacity as a Holder (each, a "**Holder**" and collectively, the "**Holders**"), and **SANUWAVE HEALTH, INC.**, a Nevada corporation and (ii) that certain Third Party Security Agreement, dated as of the date hereof (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "**Security Agreement**"), by and among Agent, Grantor and the other Grantors from time to time party thereto. Terms defined in the Security 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:

1. **Security Interest.** To secure the Guarantor Obligations under and as defined in the Security Agreement, Grantor grants to Agent 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:

(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. (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 foregoing, 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.

2. **Rights Cumulative.** The rights and remedies of Agent with respect to the security interests granted hereunder are in addition to those set forth in the Security Agreement, and those which are now or hereafter available to Agent as a matter of law or equity. Each right, power and remedy of Agent provided for herein or in the Security 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 Agent of any one or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Agent of any other rights, powers or remedies.

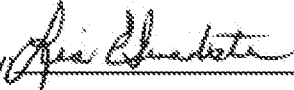
3. **Governing Law.** New York law governs this Agreement without regard to principles of conflicts of law.

4. **Counterparts.** This Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, are an original, and all taken together, constitute one Agreement.

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

**GRANTOR:**

SANUWAUVE, INC., a Delaware corporation

By: 

Name: Lisa E. Sundstrom

Title: Chief Financial Officer

Address for Notices:

Attn: Lisa E. Sundstrom, Chief Financial Officer  
3360 Martin Farm Road, Suite 100  
Suwanee, Georgia 30024  
Fax: \_\_\_\_\_

**AGENT:**

NH EXPANSION CREDIT FUND HOLDINGS LP

By: MS Expansion Credit GP, L.P.  
Its: General Partner

By: MS Expansion Credit GP Inc.  
Its: General Partner

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

Name: William Reiland

Title: Managing Director

Address for Notices:

Attn: Debra Abramovitz  
1585 Broadway, 39th Floor  
New York, NY 10036

**[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]  
[SANUWAVE, INC.]**

DMS 17753305

**TRADEMARK  
REEL: 007376 FRAME: 0341**

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

**GRANTOR:**

SANUWAUVE, INC., a Delaware corporation

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

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

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

Address for Notices:

Attn: Lisa E. Sundstrom, Chief Financial Officer  
3360 Martin Farm Road, Suite 100  
Suwanee, Georgia 30024  
Fax: \_\_\_\_\_

**AGENT:**

NH EXPANSION CREDIT FUND HOLDINGS LP

By: MS Expansion Credit GP, L.P.  
Its: General Partner

By: MS Expansion Credit GP Inc.  
Its: General Partner

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

Name: William Reiland

Title: Managing Director

Address for Notices:

Attn: Debra Abramovitz  
1585 Broadway, 39th Floor  
New York, NY 10036

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]  
[SANUWAUVE, INC.]

DMS 17753305

**TRADEMARK**  
**REEL: 007376 FRAME: 0342**

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

**GRANTOR:**

SANUWAUVE, INC., a Delaware corporation

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

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

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

Address for Notices:

Attn: Lisa E. Sundstrom, Chief Financial Officer  
3360 Martin Farm Road, Suite 100  
Suwanee, Georgia 30024  
Fax: \_\_\_\_\_

**AGENT:**

NH EXPANSION CREDIT FUND HOLDINGS LP

By: MS Expansion Credit GP, L.P.  
Its: General Partner

By: MS Expansion Credit GP Inc.  
Its: General Partner

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

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

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

Address for Notices:

Attn: Debra Abramovitz  
1585 Broadway, 39th Floor  
New York, NY 10036

**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>Preregistered?</u>



**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>Filing Date:</u>
DAP DIFFUSED ACOUSTIC PRESSURE	85175862	4096994	11/12/10
PROFILE	85165097	4084882	10/29/10
ORTHOPACE	77845292	3923924	10/9/09
PACE PULSED ACOUSTIC CELLULAR EXPRESSION	77200273	3934716	6/7/07
SANUWAVE	77141858	3517256	3/27/07
DERMAPACE	77141427	3900914	3/27/07
ORTHOTRIPSY	75123779	2139652	6/21/96
OSSATRON	75123776	2154207	6/21/96

**EXHIBIT C**

**PATENTS**

Please Check if No Patents Exist

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
SHOCKWAVE AND PRESSURE WAVES FOR TREATMENT OF VIRUS OR BACTERIA-INDUCED EFFECTS IN THE HUMAN OR ANIMAL LUNGS	---	63/004,428	---	---
INFECTED PROSTHESIS AND IMPLANT TREATMENT WITH ACOUSTIC PRESSURE SHOCK WAVES	---	16/789,029	---	---
INFECTED PROSTHESIS AND IMPLANT TREATMENT WITH ACOUSTIC PRESSURE SHOCK WAVES	---	16/513,204	PUBLISHED	---
SHOCK WAVE DEVICE WITH FAR FIELD FOCUSED REFLECTORS	---	16/513,204	PUBLISHED	---
SYSTEMS AND METHODS FOR ACTIVATING AND DEWATERING SLUDGE USING ACOUSTIC	---	16/504,607	PUBLISHED	---

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
PRESSURE SHOCK WAVES				
SYSTEMS AND METHODS FOR SEPARATING SURFACE MATERIALS FROM A FLUID USING ACOUSTIC PRESSURE SHOCK WAVES	---	16/504,583	PUBLISHED	---
SHOCK WAVES FOR OIL SEPARATION	---	16/365,808	PUBLISHED	---
ACOUSTIC PRESSURE SHOCK WAVES USED FOR PERSONALIZED MEDICAL TREATMENT OF TISSUE CONDITIONS	---	15/858,458	PUBLISHED	---
DISTRIBUTOR PRODUCT PROGRAMMING SYSTEM	---	15/812,598	PUBLISHED	---
ACOUSTIC PRESSURE SHOCK WAVES USED FOR MEAT PROCESSING	---	15/801,675	PUBLISHED	---
SHOCK WAVES FOR PIPE CLEANING	10,378,314	15/784,508	ISSUED	08/13/2019
SYSTEMS AND METHODS FOR SEPARATING HEAVY WATER	10,562,793	15/353,216	ISSUED	02/18/2020

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
FROM NORMAL WATER USING ACOUSTIC PRESSURE SHOCK WAVES				
MEMBRANE CLEANING AND DESALINATION WITH A MEMBRANE USING ACOUSTIC PRESSURE SHOCK WAVES	10,457,571	15/351,514	ISSUED	10/29/2019
WATER DESALINATION USING FREEZE CRYSTALLIZATION AND ACOUSTIC PRESSURE SHOCK WAVES	10,246,349	15/350,216	ISSUED	04/02/2019
CLEANING AND GROOMING WATER SUBMERGED STRUCTURES USING ACOUSTIC PRESSURE SHOCK WAVES	9,840,313	15/264,721	ISSUED	12/12/2017
ACOUSTIC PRESSURE SHOCK WAVE DEVICES AND METHODS FOR FLUIDS PROCESSING	10,053,376	15/230,765	ISSUED	08/21/2018
TISSUE DISINFECTION WITH ACOUSTIC PRESSURE SHOCK WAVES	10,569,106	15/135,716	ISSUED	02/25/2020

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
SHOCK WAVE ELECTRODES WITH FLUID HOLES	9,566,209	14/929,899	ISSUED	02/14/2017
OCCLUSION AND CLOT TREATMENT WITH INTRACORPOREAL PRESSURE SHOCK WAVES	---	14/874,650	ALLOWED	---
BLOOD VESSEL TREATMENT WITH INTRACORPOREAL PRESSURE SHOCK WAVES	10,238,405	14/865,744	ISSUED	03/26/2019
EXTRACORPOREAL PRESSURE SHOCK WAVE DEVICES WITH REVERSED APPLICATORS AND METHODS FOR USING THESE DEVICES	9,522,011	14/857,360	ISSUED	12/20/2016
EXTRACORPOREAL PRESSURE SHOCK WAVE DEVICES WITH MULTIPLE REFLECTORS AND METHODS FOR USING THESE DEVICES	10,058,340	14/272,155	ISSUED	08/28/2018
METHODS FOR CLEANING AND STERILIZATION OF IMPLANT TISSUE EX VIVO WITH SHOCK WAVES	9,119,888	14/228,897	ISSUED	09/01/2015
METHODS FOR CLEANING AND TENDERIZING	9,095,632	14/228,976	ISSUED	08/04/2015

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
ANIMAL MEAT WITH SHOCK WAVES				
EXTRACORPOREAL PRESSURE SHOCK WAVE DEVICES WITH REVERSED APPLICATORS AND METHODS FOR USING THESE DEVICES	9,161,768	14/036,461	ISSUED	10/25/2015
INCREASE ELECTRODE LIFE IN DEVICES USED FOR EXTRACORPOREAL SHOCKWAVE THERAPY (ESWT)	9,198,825	13/923,531	ISSUED	12/01/2015
APPARATUSES AND METHODS FOR GENERATING SHOCK WAVES FOR USE IN THE ENERGY INDUSTRY	9,057,232	13/866,134	ISSUED	06/16/2015
METHODS AND DEVICES FOR CLEANING AND STERILIZATION WITH SHOCK WAVES	8,685,317	13/719,964	ISSUED	04/01/2014
USE OF PRESSURE WAVES FOR STIMULATION, PROLIFERATION, DIFFERENTIATION AND POST-IMPLANTATION	8,728,809	12/900,818	ISSUED	05/20/2014

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
VIABILITY OF STEM CELLS				
METHODS AND DEVICES FOR CLEANING AND STERILIZATION WITH SHOCK WAVES	8,343,420	12/884,511	ISSUED	01/01/2013
EXTRACORPOREAL PRESSURE SHOCK WAVE DEVICE	8,556,813	12/832,932	ISSUED	10/15/2013
DEVICE FOR PRODUCING ELECTRICAL DISCHARGES IN AN AQUEOUS MEDIUM	6,972,116	95/001,321	ISSUED	01/09/2014
MEDICAL TREATMENT SYSTEM INCLUDING AN ANCILLARY MEDICAL TREATMENT APPARATUS WITH AN ASSOCIATED DATA STORAGE MEDIUM	8,961,441	12/437,411	ISSUED	02/24/2015
DEVICE FOR THE APPLICATION OF ACOUSTIC SHOCK WAVES	8,088,073	10/952,806	ISSUED	01/03/2012
APPARATUS FOR GENERATING SHOCK WAVES WITH PIEZOELECTRIC FIBERS	7,867,178	10/779,696	ISSUED	01/11/2011

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued Or Published?</u>	<u>Issue Date:</u>
INTEGRATED IN A COMPOSITE				
METHOD AND APPARATUS FOR PRODUCING SHOCK WAVES FOR MEDICAL APPLICATIONS	8,092,401	10/176,647	ISSUED	01/10/2012
APPARATUS FOR ADMINISTERING ACOUSTIC SHOCK WAVES HAVING A REMOVABLE AND REPLACEABLE COMPONENT WITH A DATA STORAGE MEDIUM	7,364,554	10/154,393	ISSUED	04/29/2008
DEVICE FOR PRODUCING ELECTRICAL DISCHARGES IN AN AQUEOUS MEDIUM	6,972,116	10/099,876	ISSUED	12/06/2005
METHOD AND APPARATUS FOR GENERATING SHOCK WAVES	6,666,834	10/044,838	ISSUED	12/23/2003