

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5676629

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE ADDRESS previously recorded on Reel 050049 Frame 0577. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
HAIYIN EQUITY INVESTMENT FUND L.P.	06/20/2016
RECEIVING PARTY DATA	
Name:	CEREVAST MEDICAL, INC.
Street Address:	12100 NE 195TH STREET, #150
City:	BOTHELL
State/Country:	WASHINGTON
Postal Code:	98011
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15641942
CORRESPONDENCE DATA	
Fax Number:	(520)623-2418
<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>	
Phone:	520-770-8700
Email:	pat-dept@quarles.com
Correspondent Name:	QUARLES & BRADY LLP
Address Line 1:	ONE SOUTH CHURCH AVENUE, SUITE 1700
Address Line 4:	TUCSON, ARIZONA 85701
ATTORNEY DOCKET NUMBER:	158384.00070
NAME OF SUBMITTER:	YAKOV S. SIDORIN
SIGNATURE:	/Yakov S. Sidorin/
DATE SIGNED:	08/20/2019
Total Attachments: 11	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5668018

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE ADDRESS previously recorded on Reel 049025 Frame 0913. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
HAIYIN EQUITY INVESTMENT FUND L.P.	06/20/2016
RECEIVING PARTY DATA	
Name:	CEREVAST MEDICAL, INC.
Street Address:	12100 NE 195TH STREET, #150
City:	SCOTTSDALE
State/Country:	WASHINGTON
Postal Code:	98011
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15641942
CORRESPONDENCE DATA	
Fax Number:	(520)623-2418
<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>	
Phone:	520-770-8700
Email:	pat-dept@quarles.com
Correspondent Name:	QUARLES & BRADY LLP
Address Line 1:	ONE SOUTH CHURCH AVENUE, SUITE 1700
Address Line 4:	TUCSON, ARIZONA 85701
ATTORNEY DOCKET NUMBER:	158384.00070
NAME OF SUBMITTER:	YAKOV S. SIDORIN
SIGNATURE:	/Yakov S. Sidorin/
DATE SIGNED:	08/14/2019
Total Attachments: 11	
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PATENT ASSIGNMENT AGREEMENT

WHEREAS, by unanimous written consent of the board of directors of thync, inc., a Delaware corporation (the “**Company**”), and with the consent of the stockholders of the Company, on March 30, 2016, the Company, in accordance with the assignment for benefit of creditors laws of the State of California, transferred ownership of all of its right, title and interest in and to all of its assets to ABC-THY, LLC, a California limited liability company (the “**ABC-THY**”), and in so doing has also designated ABC-THY to act as the assignee for the benefit of creditors of the Company (the “**General Assignment**”);

WHEREAS, pursuant to the terms of the General Assignment Agreement between the Company and the ABC-THY, all of the Company’s rights title and interest in its assets have been assigned to the ABC-THY, including the Company’s patents and patent applications;

WHEREAS, the Company and ABC-THY memorialized the transfer of the Company’s patents and patent applications and related rights to ABC-THY (collectively, the “**Patents**”) in that certain Patent Assignment Agreement dated as of March 30, 2016;

WHEREAS, ABC-THY, Haiyin Equity Investment Fund L.P. (“**Assignee**”) and Thync Global, Inc. (“**TGI**”) entered into an Asset Purchase Agreement dated as of April 29, 2016 pursuant to which the ABC-THY has sold substantially all assets of the Company, including the Patents, some of which were sold and assigned to Assignee, and the others of which were sold and assigned to TGI; and

WHEREAS, pursuant to the terms of that certain Asset Purchase Agreement dated as of June 20, 2016 (the “**Effective Date**”) by and between Cerevast Medical, Inc., a Delaware corporation (the “**Buyer**”), and Assignee, Assignee assigned and transferred to the Buyer all of Assignee’s rights title and interest in certain assets of the ABC-THY, including the patents and patent applications set forth on Schedule A to this Patent Assignment Agreement (the “**Patents**”);

NOW, THEREFORE, BE IT KNOWN, pursuant to the Asset Purchase Agreement, Assignee has conveyed, assigned, transferred, delivered and set over for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and does hereby convey, assign, transfer, deliver and set over, unto Buyer, its successors and assigns, Assignee’s entire right, title and interest in and to: (1) the entire worldwide right, title and interest in and to each and all of the Patents and other intellectual property listed under the “**ULTRASOUND IP**” heading under “**A-1 Intellectual Property**” on Schedule A to the Asset Purchase Agreement (the “**Ultrasound IP**”), and the entire worldwide right, title and interest (except for the PCT filings in the United States and Canada) in and to each and all of the Patents and other intellectual property listed under the “**TENS IP**” heading under “**A-1 Intellectual Property**” on Schedule A to the Asset Purchase Agreement (the “**Assignee TENS IP**” and together with the Ultrasound IP, the “**Assignee IP**”), and the entire worldwide right, title and interest (except for in the United States and Canada) in and to each of the Patents and other intellectual property listed under the “**TENS IP**” and “**PROVISIONAL IP**” headings under “**A-2 Intellectual Property**” on Schedule A to the Asset Purchase Agreement (the “**TGI IP**”), in each case, including, without limitation, the related letters patent, corresponding patent applications, and all inventions, improvements and

discoveries disclosed in said letters patent and applications, including those set forth in Schedule A hereto, and in and to all substitutions, divisions, continuations, continuations-in-part, reexaminations, extensions, renewals and reissues (as applicable) thereof, including without limitation of generality, all privileges and rights of priority resulting from the filing of patent applications relating to any of the foregoing as well as any and all rights to sue, choses in action and any and all claims and demands, both at law and in equity, that Assignee, the Company or ABC-THY has or may have for damages, proceeds, costs, or profits accrued or to accrue on account of the infringement, misappropriation or other unauthorized use or conduct in derogation of any of the foregoing of any of said Patents, letters patent, patent applications, inventions, improvements and discoveries, the same to be held and enjoyed by Buyer, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignee, the Company and ABC-THY if the assignment set forth in this Patent Assignment Agreement had not been made; (2) the full and complete right to file patent applications in the name of the Company or ABC-THY or its designee, at Buyer's, or its designee's election, on the aforesaid inventions, improvements, discoveries and applications in all countries of the world with respect to the Ultrasound IP, and in all countries of the world except the United States and Canada with respect to the Assignee TENS IP and the TGI IP; (3) the entire right, title and interest in and to any patents and letters patent which may issue on the Ultrasound IP in the United States or in any country, and on the Assignee TENS IP and the TGI IP in any country other than the United States and Canada, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; (4) all rights to income, royalties and any and all payments now or hereafter due or payable arising from or related to the foregoing; and (5) all rights to otherwise enforce the rights assigned hereunder (all the foregoing, collectively, the "***Assigned Rights***").

ASSIGNEE **HEREBY AUTHORIZES AND REQUESTS** the United States Patent and Trademarks Office and all applicable foreign patent offices to record this Patent Assignment Agreement to transfer ownership of the Assigned Rights to Buyer, its successors, assigns and legal representatives or to such nominees as it may designate, and to issue said letters patent in accordance with this Agreement.

Assignee agrees that, whenever reasonably requested by Buyer, Assignee will execute all papers, take all rightful oaths, and do all acts which may be reasonably necessary for securing and maintaining the Assigned Rights and for vesting title thereto in Buyer, its successors, assigns and legal representatives or nominees, and generally do everything reasonably possible to aid Buyer, and its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Assigned Rights in all applicable countries.

[Remainder of Page Intentionally Left Blank; Signature Page Follows]

IN WITNESS WHEREOF, Buyer and Assignee have caused this Patent Assignment Agreement to be signed by their duly authorized officers as of _____ June 20 _____, 2016.

HAIYIN EQUITY INVESTMENT FUND L.P.

By: 
Name: Yuquan Wang
Title: Authorized Signatory

CEREVAST MEDICAL, INC.

By: _____
Name: _____
Title: _____

STATE OF _____)
COUNTY OF _____)

I, _____, a Notary Public for said County and State, do hereby certify that _____ personally appeared before me this day and stated that (s)he is the _____ of Cerevast Medical, Inc. and acknowledged, on behalf of Cerevast Medical, Inc., the due execution of the foregoing instrument.

GIVEN under my hand and official seal this ____ day of _____, 2016.

NOTARY PUBLIC in and for the State of _____, residing at _____
My commission expires _____

(Signature Page to Patent Assignment Agreement)

IN WITNESS WHEREOF, Buyer and Assignee have caused this Patent Assignment Agreement to be signed by their duly authorized officers as of June 20, 2016.

HAIYIN EQUITY INVESTMENT FUND L.P.

By: _____
Name: _____
Title: _____

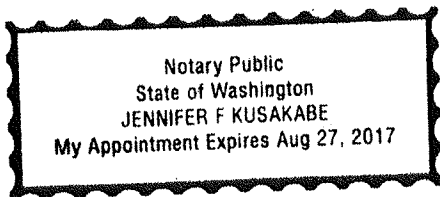
CEREVAST MEDICAL, INC.

By: [Signature]
Name: BRADFORD A. ZAKES
Title: PRESIDENT & CEO

STATE OF Washington)
COUNTY OF King)

I, Jennifer Kusakabe, a Notary Public for said County and State, do hereby certify that Bradford Zakes personally appeared before me this day and stated that (s)he is the CEO of Cerevast Medical, Inc. and acknowledged, on behalf of Cerevast Medical, Inc., the due execution of the foregoing instrument.

GIVEN under my hand and official seal this 16 day of June, 2016.



Jennifer F Kusakabe
NOTARY PUBLIC in and for the State of
WA, residing at Snithornish
My commission expires August 27, 2017

(Signature Page to Patent Assignment Agreement)

PATENT
REEL: 050102 FRAME: 0166

SCHEDULE A

PATENTS

A-1 Intellectual Property

ULTRASOUND IP

Docket No.	Patent/Document No.	Application No.	Title	Country
42043-703.201	US9042201	13/657401	Method and system for direct communication	US
42043-703.301	US20150343242	14/692326	Method and system for direct communication	US
42043-703.611	EP12841810	EP2768385	Method and system for direct communication	EPO
12530-722.200	US20130197401	13/731101	Optimization of ultrasound waveform characteristics for transcranial ultrasound neuromodulation	US
42043-707.301	US20150135840	14/603671	Systems and devices for coupling ultrasound energy to a body	US
12530-721.600	WO2014176483	PCT/US2014/035413	Focused transcranial ultrasound systems and methods for using them	WIPO
12530-721.US1	US20160038770	14/781459	Focused transcranial ultrasound systems and methods for using them	US
12530-728.600	WO2015142764	PCT/US2015/020839	Thin and wearable ultrasound phased array devices	WIPO
42043-705.301	US20150151142	14/501523	Device and methods for targeting of transcranial ultrasound neuromodulation by automated transcranial Doppler imaging	US

TENS IP

Docket No.	Patent/Document No.	Application No.	Title	Country
42043-706.611	EP2863986	EP13806986.9	Device and Methods for Noninvasive Neuromodulation Using Targeted Transcranial Electrical Stimulation	EPO

(Schedule A to Patent Assignment Agreement)

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-712.CN0	CN103830841	CN201310612946.9	Wearable transdermal electrical stimulation devices and methods of using them	CN
12530-712.CN1	CN204147427U	CN201320760967.0	Wearable equipment for electrical stimulation of skin	CN
12530-714.AU0		AU2014218626	Methods and apparatuses for networking neuromodulation of a group of individuals	AU
12530-714.KR0	KR20160008162	10-2015-7025622	Methods and apparatuses for networking neuromodulation of a group of individuals	KR
12530-714.EP0	EP2959665	EP140753547.0	Methods and apparatuses for networking neuromodulation of a group of individuals	EPO
12530-714.CN0	CN105229995	CN20140022674.X	Methods and apparatuses for networking neuromodulation of a group of individuals	CN
12530-714.JP0		JP2015559047	Methods and apparatuses for networking neuromodulation of a group of individuals	JP
12530-719.CN0		CN201480042863.3	Transdermal electrical stimulation devices and methods for modifying or inducing cognitive state	CN
12530-719.EP0	EP3013414	EP14817306.5	Transdermal electrical stimulation methods for modifying or inducing cognitive state	EPO
12530-719.JP0		JP2016524289	Transdermal electrical stimulation devices and methods for modifying or inducing cognitive state	JP
12530-726.600	WO2015131093	PCT/US2015/018090	Methods and apparatuses for user control of neurostimulation	WIPO
12530-734.600	WO2015183690	PCT/US2015/31966	Cantilever electrodes for transdermal and transcranial stimulation	WIPO
12530-734.CN0	CN105148395A	CN201510272376.2	Electrode apparatus for supporting a wearable electrical stimulator	CN
12530-734.CN1		CN201520343022.8	Electrode apparatus for supporting a wearable electrical stimulator on a user's head or head and neck	CN
12530-739.600	WO2015183620	PCT/US2015/031424	Wearable transdermal neurostimulators	WIPO
12530-739.CN0		CN201510272116.5	Wearable transdermal neurostimulators	CN
12530-739.CN1	CN205084207U	CN201520344189.6	Wearable transdermal neurostimulators	CN
12530-740.600	WO2015179281	PCT/US2015/031350	Methods and apparatuses for control of a wearable transdermal neurostimulator to apply ensemble waveforms	WIPO

(Schedule A to Patent Assignment Agreement)

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-741.600		PCT/US2016/012054	Methods and apparatuses for transdermal stimulation of the outer ear	WIPO
12530-742.600		PCT/US2016/012128	Systems and methods of transdermal electrical stimulation to improve sleep	WIPO
12530-800.W01	919743301	35/001043	Wearable neuromodulator	WIPO
12530-801.W03		35/001113	Electrode assembly for transdermal and transcranial stimulation	WIPO

A-2 Intellectual Property

TENS IP

Docket No.	Patent/Document No.	Application No.	Title	Country
42043-706.301	US20150174418	14/576588	Device and Methods for Noninvasive Neuromodulation Using Targeted Transcranial Electrical Stimulation	US
12530-712.200	US8903494	14/091121	Methods for user control of neurostimulation to modify a cognitive state	US
12530-712.500	US20150088224	14/558604	Wearable transdermal electrical stimulation devices and methods of using them	US
12530-714.US0	US20160008632	14/769727	Methods and apparatuses for networking neuromodulation of a group of individuals	US
12530-714.CA0		CA2901310	Methods and apparatuses for networking neuromodulation of a group of individuals	CA
12530-719.200	US9014811	14/320443	Transdermal electrical stimulation methods for modifying or inducing cognitive state	US
12530-719.201	US9002458	14/320461	Transdermal electrical stimulation methods for modifying or inducing cognitive state	US
12530-719.301	US9233244	14/639015	Transdermal electrical stimulation methods for modifying or inducing cognitive state	US
12530-719.302		14/956193	Transdermal electrical stimulation methods for modifying or inducing cognitive state	US
12530-726.200	US20150238762	14/634551	Methods for user control of neurostimulation to modify a cognitive state	US

(Schedule A to Patent Assignment Agreement)

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-734.200		14/634,664	Cantilever electrodes for transdermal and transcranial stimulation	US
12530-734.201	US93333334	14/634661	Methods for attaching and wearing a neurostimulator	US
12530-801.200		29/508490	Electrode assembly for transdermal and transcranial stimulation	US
12530-801.201		29/513764	Electrode assembly for transdermal and transcranial stimulation	US
12530-801.202		29/517629	Electrode assembly for transdermal and transcranial stimulation	US
12530-801.203		29/527368	Electrode assembly for transdermal and transcranial stimulation	US
12530-739.200	US20150335875	14/715461	Wearable transdermal neurostimulator having cantilevered attachment	US
12530-739.201	US20150335888	14/715470	Transdermal neurostimulator adapted to reduce capacitive build-up	US
12530-740.200	US20150328461	14/715476	Methods and apparatuses for control of a wearable transdermal neurostimulator to apply ensemble waveforms	US
12530-740.201	US20150328467	14/715483	Methods and apparatuses for control of a wearable transdermal neurostimulator to apply ensemble waveforms	US
12530-800.CA1		163235	Wearable neuromodulator	CA

PROVISIONAL IP

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-725.102		62/292155	Systems and methods for shaping transdermal electrical stimulation waveforms	US
12530-727.102		62/293777	Systems and methods for neuromodulation of attention, sensory, processing, and information processing	US
12530-737.101		62/169522	Systems and methods for neuromodulation to transform concurrent sensory experiences	US
12530-741.101		62/168598	Methods and apparatuses for modifying a subject's cognitive state by transdermal stimulation of the outer ear	US

(Schedule A to Patent Assignment Agreement)

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-741.102		62/190205	Methods and apparatuses for modifying a subject's cognitive state by transdermal electrical stimulation of the outer ear	US
12530-741.103		62/200250	Methods and apparatuses for modifying a subject's cognitive state by transdermal stimulation of the outer ear	US
12530-741.104		62/213926	Methods and apparatuses for modifying a subject's cognitive state by transdermal stimulation of the outer ear	US
12530-743.101		62/166674	Systems and methods for suppression of stress responses by transdermal electrical neuromodulation	US
12530-744.100		62/168615	Methods and apparatuses for transdermal electrical stimulation	US
12530-744.101		62/190211	Methods and apparatuses for transdermal electrical stimulation	US
12530-744.102		62/200256	Methods and apparatuses for transdermal electrical stimulation	US
12530-744.103		62/213949	Methods and apparatuses for transdermal electrical stimulation	US
12530-745.100		62/169523	Apparatuses and methods for neuromodulation	US
12530-746.100		62/170111	Systems and methods for neuromodulation with facial and mastoid electrodes	US
12530-746.101		62/268084	Systems and methods for neuromodulation with facial and mastoid electrodes	US
12530-747.100		62/218560	Systems and methods for auto-replenishment of transdermal electrical stimulation electrode	US
12530-748.100		62/245998	Transdermal electrodes with exclusions to improve uniformity of current distributions	US
12530-748.101		62/267290	Transdermal electrodes with exclusions to improve uniformity of current distributions	US
12530-749.100		62/269104	Transdermal electrical stimulation of nerves to modify or induce a cognitive state	US
12530-749.101		62/279992	Transdermal electrical stimulation of nerves to modify or induce a cognitive state	US
12530-749.102		62/281326	Transdermal electrical stimulation of nerves to modify or induce a cognitive state	US
12530-750.100		62/269975	Methods and apparatuses for improved transdermal neurostimulation to induce cognitive states	US

(Schedule A to Patent Assignment Agreement)

Docket No.	Patent/Document No.	Application No.	Title	Country
12530-751.100		62/308845	Systems and methods for transdermal electrical neuromodulation of the trigeminal sensory nuclear complex to improve sleep quality and mood	US