# 506777357 07/21/2021 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6824174

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
DAVID T. EMERSON		04/13/2021
MICHAEL JOHN BERGMANN		01/13/2021
THOMAS MATTHEW WOMBLE		01/14/2021
ANTONY PAUL VAN DE VEN		01/14/2021
NATHAN STASKO		07/20/2021
F. NEAL HUNTER 01/13/2		01/13/2021
ADAM COCKRELL		01/13/2021

REBECCA MCDONALD

#### **RECEIVING PARTY DATA**

Name:	KNOW BIO, LLC
Street Address:	4222 EMPEROR BLVD SUITE 470
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27703

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17117889

#### **CORRESPONDENCE DATA**

Fax Number:	(877)	812-1249
		e-mail address first; if that is unsuccessful, it will be sent nat is unsuccessful, it will be sent via US Mail.
Phone:	919-2	238-2300
Email:	sbake	er@wt-ip.com
Correspondent Name:	WITH	IROW & TERRANOVA, P.L.L.C.
Address Line 1:	106 F	PINEDALE SPRINGS WAY
Address Line 4:	CAR	Y, NORTH CAROLINA 27511
ATTORNEY DOCKET NUMBER:		2241-005
NAME OF SUBMITTER:		SARAH BAKER
SIGNATURE:		/Sarah Baker/

01/15/2021

DATE SIGNED:	07/21/2021	
Total Attachments: 16		
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Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS			
As the below name	1 inventor, I hereby declare that:			
This declaration is o	This declaration is directed to: The attached application; or United States application or PCT international application number <u>17/117,889</u> , filed on <u>12/10/2020</u> .			
The above-identifie	d application is made or authorized to be made by me.			
I believe that I am t application.	he original inventor or an original joint inventor of a claimed invention in the			
I hereby acknowled U.S.C. 1001 by fine	ge that any willful false statement made in this declaration is punishable under 18 or imprisonment of not more than five (5) years, or both.			
WHEREAS, <u>KNOW Bio, LLC</u> , a limited liability company duly organized and existing under the laws of North Carolina and having a principal place of business at 4222 Emperor Blvd Suite 470, Durham, NC 27703 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said invention as described in the specification executed by me concurrently herewith, and any and all Letters Patent which shall be granted therefor.				
consideration, the re- sold, assigned, trans- right, title and intere- all Letters Patent of and all continuation the same to be held and the use and beh Patent may be grant	E, To All Whom It May Concern, be it known that for good and valuable ecceipt and sufficiency of which is hereby acknowledged, I, the said assignor, have iferred and set over unto the said ASSIGNEE, its successors and assigns, the entire est in and to the above-mentioned application and invention and in and to any and the United States which may hereafter be granted therefor, and in any and to any s, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, alf of its successors and assigns, to the full end of the term for which said Letters ed as fully and entirely as the same would have been held and enjoyed by me had sale not been made.			
successors and assig lawful owner of the above-mentioned ar	ration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its gns, that at the time of the execution and delivery of these presents I am a joint and entire right, title and interest in and to the invention, application and Letters Patent ad that the same are unencumbered, and that I have good right and lawful authority he same in the manner herein set forth.			
successors and assig learned in the law, s substitution of, or a proceedings, is lawf	ration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its gns, that I will, whenever its counsel or the counsel of its successors and assigns, hall advise that an amendment, division, continuation, continuation-in-part, or ny other proceeding in connection with said application, including interference ful and desirable, sign all papers and drawings, take all rightful oaths, and do all quired to be done for the procurement of valid Letters Patent for said invention, or			

1

PATENT " REEL: 056931 FRAME: 0207

N

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I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, without charge to the said ASSIGNEE, its successor, assignee or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

Inventor: David T. Emerson	Date: 13 Apr. 121	
Signature: Jund Cherem		
V		

#### 2241-005

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention		ILLUMIN	NATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS	
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This declaration	on is (	directed to:	<ul> <li>The attached application; or</li> <li>United States application or PCT international application number <u>17/117,889</u>, filed on <u>12/10/2020</u>.</li> </ul>	
The above-ide	ntifie	d application	on is made or authorized to be made by me.	
I believe that application.	I am t	he original i	inventor or an original joint inventor of a claimed invention in the	
I hereby acknown of the second	owled y fine	lge that any ve e or imprisor	willful false statement made in this declaration is punishable under 18 nment of not more than five (5) years, or both.	
of North Caro NC 27703 (he interest in and	lina a reina to sa	nd having a fter referred id invention	2, a limited liability company duly organized and existing under the law a principal place of business at 4222 Emperor Blvd Suite 470, Durham I to as "ASSIGNEE"), is desirous of acquiring the entire right, title, an a s described in the specification executed by me concurrently ars Patent which shall be granted therefor.	,
consideration sold, assigned right, title and all Letters Pat and all contin the same to be and the use ar	, the r , tran l inter ent of uation e held d beh e gran	eceipt and su sferred and s est in and to f the United ns, continuat and enjoyed half of its suc ted as fully a	Whom It May Concern, be it known that for good and valuable sufficiency of which is hereby acknowledged, I, the said assignor, have set over unto the said ASSIGNEE, its successors and assigns, the entire of the above-mentioned application and invention and in and to any and States which may hereafter be granted therefor, and in any and to any tions-in-part, substitutions, divisions or reissues of said Letters Patent, ad by the said ASSIGNEE, for its interest, and for its own use and behave accessors and assigns, to the full end of the term for which said Letters and entirely as the same would have been held and enjoyed by me have been made.	re l alf,
successors an lawful owner above-mentio	d assi of the ned a	gns, that at t e entire right nd that the s	esaid, I hereby covenant and agree to and with the said ASSIGNEE, its the time of the execution and delivery of these presents I am a joint an t, title and interest in and to the invention, application and Letters Pate same are unencumbered, and that I have good right and lawful authorit the manner herein set forth.	id ent
successors an learned in the substitution o proceedings.	d assi law, f, or a is law	gns, that I w shall advise any other pro ful and desir	esaid, I hereby covenant and agree to and with the said ASSIGNEE, it will, whenever its counsel or the counsel of its successors and assigns, e that an amendment, division, continuation, continuation-in-part, or occeeding in connection with said application, including interference irable, sign all papers and drawings, take all rightful oaths, and do all e done for the procurement of valid Letters Patent for said invention, o	

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

#### LEGAL NAME OF INVENTOR

Date: <u>31/13/</u> Inventor: Michael John Bergmann 10hi Signature:

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS		
As the below named inventor, I hereby declare that:			
This declaration is	<ul> <li>directed to: The attached application; or</li> <li>United States application or PCT international application number <u>17/117,889</u>, filed on <u>12/10/2020</u>.</li> </ul>		
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I believe that I am t application.	he original inventor or an original joint inventor of a claimed invention in the		
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consideration, the re sold, assigned, trans right, title and intere all Letters Patent of and all continuation the same to be held and the use and beha	E, To All Whom It May Concern, be it known that for good and valuable eccept and sufficiency of which is hereby acknowledged, I, the said assignor, have aferred and set over unto the said ASSIGNEE, its successors and assigns, the entire est in and to the above-mentioned application and invention and in and to any and the United States which may hereafter be granted therefor, and in any and to any s, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, alf of its successors and assigns, to the full end of the term for which said Letters ed as fully and entirely as the same would have been held and enjoyed by me had sale not been made.		
And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that at the time of the execution and delivery of these presents I am a joint and lawful owner of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth.			
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I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, without charge to the said ASSIGNEE, its successor, assignee or nomince, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

#### LEGAL NAME OF INVENTOR

Inventor: Thomas Matthew Womble Date: 14 Jack 2021

Signature: Hand Marken Not

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS			
As the below named	As the below named inventor, I hereby declare that:			
This declaration is o	<ul> <li>lirected to: The attached application; or     <li>United States application or PCT international application number <u>17/117,889</u>, filed on <u>12/10/2020</u>.</li> </li></ul>			
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2241-005

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for the reissue of the same without charge to the said ASSIGNEE, its successors or assigns, but at its or their expense.

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, without charge to the said ASSIGNEE, its successor, assignee or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

#### LEGAL NAME OF INVENTOR

Inventor: Antony Paul van de Ven

Date: JAN 14, 2021.

Signature:

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS		
	As the below named inventor, I hereby declare that:		
This declaration is o	<ul> <li>directed to: ☐ The attached application; or</li> <li>☑ United States application or PCT international application number <u>17/117,889</u>, filed on <u>12/10/2020</u>.</li> </ul>		
The above-identifie	d application is made or authorized to be made by me.		
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I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

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IN WITNESS WHEREOF, I hereunto set my hand and seal.

#### LEGAL NAME OF INVENTOR

Inventor: <u>Nathan Stasko</u>	Date: 7/20/2021
Signature: Math Sta	6

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS			
As the below named	d inventor, I hereby declare that:			
This declaration is c	<ul> <li>lirected to: The attached application; or     <li>United States application or PCT international application number <u>17/117,889</u>, filed on <u>12/10/2020</u>.</li> </li></ul>			
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NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.				
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IN WITNESS WHEREOF, I hereunto set my hand and seal.

## LEGAL NAME OF INVENTOR

Inventor: F. Neal Hunter

Date: 01/13/2021

Signature: \_\_\_\_\_Aland Hanter

#### 2241-005

#### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS
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	ge that any willful false statement made in this declaration is punishable under 18 or imprisonment of not more than five (5) years, or both.
of North Carolina an NC 27703 (hereinaf interest in and to sai	<u>V Bio, LLC</u> , a limited liability company duly organized and existing under the laws and having a principal place of business at 4222 Emperor Blvd Suite 470, Durham, ter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and ad invention as described in the specification executed by me concurrently and all Letters Patent which shall be granted therefor.
consideration, the re- sold, assigned, trans- right, title and intere- all Letters Patent of and all continuation the same to be held and the use and beha	E, To All Whom It May Concern, be it known that for good and valuable ecceipt and sufficiency of which is hereby acknowledged, I, the said assignor, have iferred and set over unto the said ASSIGNEE, its successors and assigns, the entire est in and to the above-mentioned application and invention and in and to any and the United States which may hereafter be granted therefor, and in any and to any s, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, alf of its successors and assigns, to the full end of the term for which said Letters ed as fully and entirely as the same would have been held and enjoyed by me had sale not been made.
successors and assig lawful owner of the above-mentioned an	ration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its gas, that at the time of the execution and delivery of these presents I am a joint and entire right, title and interest in and to the invention, application and Letters Patent ad that the same are unencumbered, and that I have good right and lawful authority he same in the manner herein set forth.

And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

LEGAL NAME OF INVENTOR	
Inventor: <u>Adam Cockrell</u> Signature:	Date: <u>01-13-202</u>

Title of Invention	ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS		
As the below named	I inventor, I hereby declare that:		
This declaration is o	lirected to: The attached application; or United States application or PCT international application number <u>17/117,889</u> , filed on <u>12/10/2020</u> .		
The above-identifie	d application is made or authorized to be made by me.		
I believe that I am t application.	he original inventor or an original joint inventor of a claimed invention in the		
I hereby acknowled U.S.C. 1001 by fine	ge that any willful false statement made in this declaration is punishable under 18 or imprisonment of not more than five (5) years, or both.		
WHEREAS, <u>KNOW Bio, LLC</u> , a limited liability company duly organized and existing under the laws of North Carolina and having a principal place of business at 4222 Emperor Blvd Suite 470, Durham, NC 27703 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said invention as described in the specification executed by me concurrently herewith, and any and all Letters Patent which shall be granted therefor.			
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I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

#### LEGAL NAME OF INVENTOR

Inventor: Rebecca McDonald

Date:	15	Th	5	nm	ſ	
Date.	34	581	2 1	- AL 1 A	1	

Signature: Relierco MESTrald