PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4899961

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICAH J. NIPHAKIS	01/14/2015
JAE WON CHANG	02/19/2015
KENNETH M. LUM	01/14/2015
BENJAMIN F. CRAVATT	01/14/2015

RECEIVING PARTY DATA

Name:	THE SCRIPPS RESEARCH INSTITUTE
Street Address:	10550 N. TORREY PINES RD.
City:	LA JOLLA
State/Country:	CALIFORNIA
Postal Code:	92037

PROPERTY NUMBERS Total: 3

Property Type	Number	
Application Number:	14369982	
Application Number:	14599105	
Application Number:	15272313	

CORRESPONDENCE DATA

Fax Number: (650)493-6811

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: 858-350-2300

patentdocket@wsgr.com, lford@wsgr.com Email: WILSON SONSINI GOODRICH & ROSATI **Correspondent Name:**

650 PAGE MILL ROAD Address Line 1:

Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	46234-701
NAME OF SUBMITTER:	LORI FORD
SIGNATURE:	/Lori Ford/
DATE SIGNED:	04/04/2018

Total Attachments: 6

PATENT REEL: 045438 FRAME: 0804

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PATENT ASSIGNMENT

Docket Number 46234-701.831

WHEREAS, the undersigned:

1. Micah J. Niphakis 7911 Camino Kiosco San Diego, CA 92122

2. Jae Won Chang 9175 Judicial Dr., Apr. 6111 San Diego, CA 92122 3. Kenneth M. Lum 8929 Lombard Pl. Apt. 132 San Diego, CA 92122

4. Benjamin F. Cravatt 415 Camino de la Costa La Jolla, CA 92037

(hereinaster "Inventor(s))," have invented certain new and useful improvements in

 COURT COLLEGE VILLE	OF MAKING AND I	INTINI - NAIVIH

. 🛮	for which a United States patent application is executed on even date herewith:	
X	for which application serial number 14/369,982 was filed on June 30, 2014 in the United States Potent and Tandaman	rk Office
	To which application serial number was filed on in the U.S. Receiving Office of the Patent Cooperation Tree	iv
ليا	for which application serial number was filed on in the Patent Office; and/or	.,,
ш	for which an application was filed upon which a United States Patent issued on, as U.S. Patent No.	•

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, The Scripps Research Institute, a corporation of the state of California, having a place of business at 10550 N. Torrey Pines Rd., La Jolla CA 92037, (hereinafter "Assignee"), is desirous of acquiring the entire right; title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property. The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions: (b) in and to said Applications, including the right to claim priority to another said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and(g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting applications (c) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

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Page 1 of 3

Date: 01/14/2015 As la		
Micah J. Niphakis		· .
California		
State/Commonwealth of California)		
County of San Division)		
On January 14, 2015 before me, I have bother putery Public		
(Name/Title of Notary) personally appeared Micah J. Niphakis (Name of Signer) who proved to me on	30000	
the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument	1	NANCY L. BARKER
and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her		Commission # 203433
signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.	SHE SHE	Notary Public - California
C / C certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of		San Diego County
that the foregoing paragraph is true and correct.	1	My Comm. Expires Aug 18, 2017
WITNESS my hand and official seal?	· · · · · · · · · · · · · · · · · · ·	
Signature: Manay & Bo		
Signature: 11 11 100	(Notary Seal	,
Date:	C. S.	
Jae Won Chang		1
	,	
State/Commonwealth of	•	
County of)		
On before me,		
(Name/Title of Notary) personally appeared Jae Won Chang (Name of Signer) who proved to me on the		
basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and	•	
acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her		
signature on the instrument the person, or entity upon behalf of which the person acted, executed the	•	
instrument. I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of		
that the foregoing paragraph is true and correct.	•	-
WITNESS my hand and official seal.		
Signature:	(Notary Seal)	
Date: 01/14/2015	(Trottiny Bear)	
Kenneth M. Lum		
	•	and the second
State/Commonwealth of California) County of San Singer)		
On January 14, 2015 before me, Nangel Berker, Notary Hablic		
(Name/Title of Notary) personally appeared Kenneth M. Lum (Name of Signer) who proved to me on		
the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument		NANCY L. BARKER
and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the		Commission # 2034331
instrument.	A CONTRACTOR	Notary Public - California
Control Certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of	Z C	San Diego County
that the foregoing paragraph is true and correct.	N N	ly Comm. Expires Aug 18, 2017
WITNESS my hand and official seal.		
Signature: Mana Alara	1	`
	(Notary Seal)	
Date: Of 14 2015 Ky		
Benjanin F. Cravati		
State/Commonwealth of California)		
County of Son Diego)	*	
On January 14, 2015 before me, Namy L. Barker, Nobry Willia	• .	
	•	
(Name/Title of Notary) personally appeared <u>Benjamin F. Cravatt</u> (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument		***************************************
and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her		NANCY L. BARKER
signature on the instrument the person, or entity upon behalf of which the person acted, executed the		Commission # 2034331
instrument.	The same of the sa	Notary Public - California San Diego County
I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of	MV	Comm. Expires Aug 18, 2017
that the foregoing paragraph is true and correct.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ribura und to' do it
WITNESS my hand and official seal.		
Signature: \ lang flo		
	Notary Scal)	

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RECEIVED AND AGREED TO BY ASSIGNEE:

Date: February 23, 2015

Ву:

Name: Thomas Fitting

Title: Chief Patent Counsel

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Page 3 of 3

DATENTO	ASSIGNMENT	
PAILNI	ASSIGNMENT	

Docket Number 46234-701.831

WHEREAS, the undersigned:

Micah J. Niphakis
 7911 Camino Kiosco
 San Diego, CA 92122

Jae Won Chang
 9175 Judicial Dr., Apt. 6111
 San Diego, CA 92122

Kenneth M. Lum
 8929 Lombard Pl. Apt. 132
 San Diego, CA 92122

 Benjamin F. Cravatt
 415 Camino de la Costa La Jolla, CA 92037

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

CARBAMATE COMPOUNDS AND OF MAKING AND USING SAME

	for which a United States patent application is executed on even date herewith;	11.14
Σ	or which application serial number 14/369.982 was filed on June 30, 2014 in the United States Patent and Trademark	Office:
E	I for which application serial number was filed on in the U.S. Receiving Office of the Patent Cooperation Treaty	
Г	for which application serial number was filed on in the Patent Office; and/or	
	for which an application was filed upon which a United States Patent issued on, as U.S. Patent No.	

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

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NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said. Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and(g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
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- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant, represent and covenant that said inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
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IN WITNESS WHERBOF, said Inventor(s) have executed and delivered this instrument to said Assignce as of the dates written below:

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Micah J. Niphakis		
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and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/	her .	
signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.		
I certify under PENALTY OF PERIURY under the laws of the State/Commonwealth of that the foregoing paragraph is true and correct.		•
WITNESS my hand and official seal.		
	• • •	
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Jae Won Chang	(Notary Sent)	· · · · · · · · · · · · · · · · · · ·
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I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of		* *,
that the foregoing paragraph is true and correct	*	•
WITNESS my hand and official seal.	*	
Sionatica.		*.
Signature:	(Notary Seal)	*
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e: Kenneth M. Lum	•	
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Signature;		. •
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Title of Notary) personally appeared Benjamin F. Cravatt (Name of Signer) who proved to me		
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I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal.		
Signature:	(Notary Seal)	
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Page 2 of 3

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: February 23, 2015

By:

Name: Thomas Fitting
Title: Chief Patent Counsel

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Page 3 of 3

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REEL: 045438 FRAME: 0811