

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BENJAMIN F. CRAVATT	05/04/2016
MICAH J. NIPHAKIS	04/14/2016
KENNETH LUM	05/04/2016
BRUNO CORREIA	04/15/2016
ARMAND COGNETTE	05/04/2016
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City:	LA JOLLA
State/Country:	CALIFORNIA
Postal Code:	92037
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15080767
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ATTORNEY DOCKET NUMBER:	TSRI 1702.1
NAME OF SUBMITTER:	THOMAS FITTING
SIGNATURE:	/Thomas Fitting/
DATE SIGNED:	05/06/2016

Total Attachments: 3

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ASSIGNMENT

Serial No. 15/080,767
 Serial No. PCT/US2016/024143
 Serial No. 62/139,576

Filed March 25, 2016
 Filed March 25, 2016
 Filed March 27, 2016

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in LIPID PROBES AND USES THEREOF and in the USPN '767 and '576 applications for Letters Patent of the United States therefor, and in the PCT '148 application filed with the U.S. receiving office in which all PCT countries were designated and in any reissue or extension of any Letters Patent that may be granted upon said applications, and in any right to claim the benefit of priority of any of said applications, reissue, or extension of said applications in any subsequent patent application, are hereby assigned by the undersigned to THE SCRIPPS RESEARCH INSTITUTE, a public benefit, not-for-profit corporation of California, located at 10550 North Torrey Pines Road, La Jolla, USA 92037, and the heirs, successors, legal representatives and assigns of THE SCRIPPS RESEARCH INSTITUTE (herein collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said applications U.S. Ser. Nos. 15/080,767, 62/139,576, and PCT/US2016/024143, or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for said considerations it is further agreed by the undersigned, upon request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becomes involved in interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, on such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment and sale had not been made. And for said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Benjamin F. Cravath (Seal)

Mitch J. Nibbelis (Seal)

Kenneth Linn (Seal)

Bruce Corrells (Seal)

Armand Cognetta (Seal)

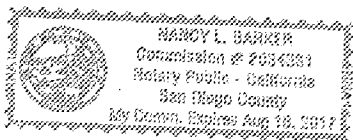
A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California ss
 County of San Diego

On May 4, 2014 before me, Donna L. Barker, Notary Public
 personally appeared Benjamin F. Cravath, Kenneth Linn & Armand Cognetta

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.
Donna L. Barker
 Notary Public

ASSIGNMENT

Serial No. 15/080,767
 Serial No. PCT/US2016/024148
 Serial No. 62/139,576

Filed March 25, 2016
 Filed March 25, 2016
 Filed March 27, 2016

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in LIPID PROBES AND USES THEREOF and in the USPN '767 and '576 applications for Letters Patent of the United States therefor, and in the PCT '148 application filed with the U.S. receiving office in which all PCT countries were designated and in any reissue or extension of any Letters Patent that may be granted upon said applications, and in any right to claim the benefit of priority of any of said applications, reissue, or extension of said applications in any subsequent patent application, are hereby assigned by the undersigned to THE SCRIPPS RESEARCH INSTITUTE, a public benefit, not-for-profit corporation of California, located at 10550 North Torrey Pines Road, La Jolla, USA 92037, and the heirs, successors, legal representatives and assigns of THE SCRIPPS RESEARCH INSTITUTE (herein collectively called said Assignee), and the Commissioner of Patents and Trademarks (hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee).

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said applications U.S. Ser. Nos. 15/080,767, 62/139,576, and PCT/US2016/024148, or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for said considerations it is further agreed by the undersigned, upon request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becomes involved in interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, on such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment and sale had not been made. And for said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Benjamin F. Cravatt (Seal)
 Michal J. Niphakis (Seal)
 Kenneth Lum (Seal)
 Bruno Correia (Seal)
 Ermand Cognetta (Seal)

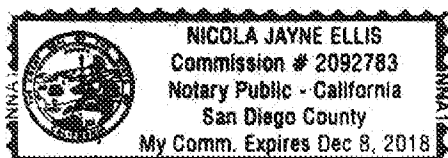
A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
 County of San Diego ss

On April 14, 2016 before me, Nicola Jayne Ellis, Notary Public
 personally appeared Michal J. Niphakis

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal
 [Signature]
 Notary Public

PATENT

REEL: 038486 FRAME: 0835

ASSIGNMENT

Serial No. 15/080,767
 Serial No. PC7/US2016/024148
 Serial No. 62/139,576

Filed March 25, 2016
 Filed March 25, 2016
 Filed March 27, 2016

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in LIPED PROBES AND USES THEREOF, and in the USPN '767 and '576 applications for Letters Patent of the United States therefor, and in the PCT '148 application filed with the U.S. receiving office in which all PCT countries were designated and in any reissue or extension of any Letters Patent that may be granted upon said applications, and in any right to claim the benefit of priority of any of said applications, reissue, or extension of said applications in any subsequent patent application, are hereby assigned by the undersigned to THE SCRIPPS RESEARCH INSTITUTE, a public benefit, not-for-profit corporation of California, located at 10550 North Torrey Pines Road, La Jolla, USA 92037, and the heirs, successors, legal representatives and assigns of THE SCRIPPS RESEARCH INSTITUTE (herein collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

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Benjamin F. Cravatt (Seal)

Nicola J. Niphakis (Seal)

Kenneth Liu (Seal)

Armando Correia (Seal) 4/15/2016

Armando Cognigni (Seal)

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of _____ ss
 County of _____

On _____ before me,
 personally appeared _____

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

PATENT