

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5383748

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LEWIS PANNELL	11/08/2018
JACK DI PALMA	11/15/2018
CARLO CONTRERAS	11/28/2018
JANA ROCKER	11/21/2018
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF SOUTH ALABAMA (USA)
Street Address:	307 N. UNIVERSITY BOULEVARD
City:	MOBILE
State/Country:	ALABAMA
Postal Code:	36688-0002
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14344399
PCT Number:	US2011051269
CORRESPONDENCE DATA	
Fax Number:	(617)607-9200
<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:	212-609-6800
Email:	mdefalco@mccarter.com, mgulati@mccarter.com, syip@mccarter.com, docket@mccarter.com
Correspondent Name:	MANEESH GULATI
Address Line 1:	MCCARTER & ENGLISH, LLP
Address Line 2:	265 FRANKLIN STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	121940-00101
NAME OF SUBMITTER:	MANEESH GULATI
SIGNATURE:	/Maneesh Gulati/
DATE SIGNED:	02/20/2019
Total Attachments: 13	

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

**UNIVERSITY OF SOUTH ALABAMA (USA)
307 N. University Boulevard
Mobile, Alabama 36688-0002**

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

NON-INVASIVE METHODS OF DETECTING TARGET MOLECULES

as set forth in the following Patent Application:

United States Patent Application No. 14/344,399, filed March 12, 2014

which claims the benefit of the following application:

International Patent Application No. PCT/US2011/051269, filed September 12, 2011

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified applications and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof (including national phase applications of the above-referenced international patent application in Canada, China, Europe, Hong Kong, and Japan), (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

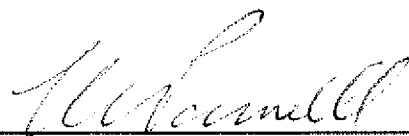
ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **McCarter & English, LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **McCarter & English, LLP** do not personally represent ASSIGNOR OR ASSIGNORS' legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 8 day of November, 2018.

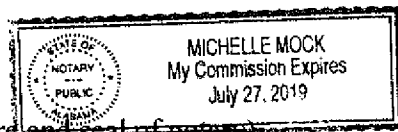


Lewis Pannell

United States of America)
State of Alabama)
County of Mobile)


On this 8th day of November, 2018 before me,
the undersigned notary public, personally appeared Lewis Pannell
(name of document signer), proved to me through satisfactory evidence of identification,
which was driver's license - AL 7513956, to be the person whose name
is signed on the preceding or attached document in my presence.

Michelle Mock (official signature and seal of notary)



My commission expires 07/27/2019.

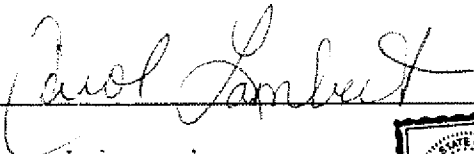
Executed this 15th day of November, 2018.



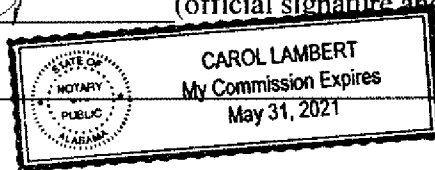
Jack Di Palma

United States of America)
State of Alabama)
County of Mobile)

On this 15th day of November, 2018 before me,
the undersigned notary public, personally appeared Jack Di Palma
(name of document signer), proved to me through satisfactory evidence of identification,
which was driver's license #5554841, to be the person whose name
is signed on the preceding or attached document in my presence.



(official signature and seal of notary)
My commission expires _____



Acceptance of Assignment by the Assignee:

Executed this 01 day of Feb, 2019



UNIVERSITY OF SOUTH ALABAMA (USA)

Name: Lynne Chronister

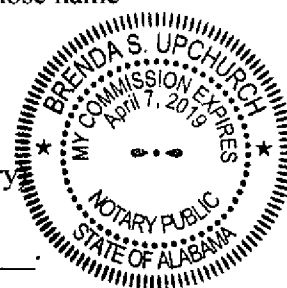
Title: VP for Office of Research and Economic Development

United States of America)
State of Alabama)
County of Mobile)

On this 1st day of February, 2018 9 ⁰ before me,
the undersigned notary public, personally appeared _____
(name of document signer), proved to me through satisfactory evidence of identification,
which was employee identification, to be the person whose name
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires April 7, 2019



ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

**UNIVERSITY OF SOUTH ALABAMA (USA)
307 N. University Boulevard
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Executed this 28th day of November, 2018.

Carlo Contreras
Carlo Contreras

United States of America)
State of Alabama)
County of Jefferson)

On this 28th day of November, 2018 before me,
the undersigned notary public, personally appeared Carlo Contreras
(name of document signer), proved to me through satisfactory evidence of identification,
which was known to me, to be the person whose name
is signed on the preceding or attached document in my presence.

Lugh Hadley (official signature and seal of notary)

My commission expires March 29, 2021.

Acceptance of Assignment by the Assignee:

Executed this 01 day of Feb, 2019.

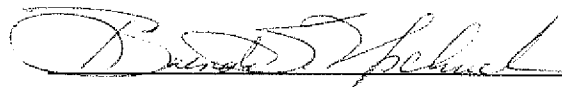

UNIVERSITY OF SOUTH ALABAMA (USA)

Name: Lynne Chronister

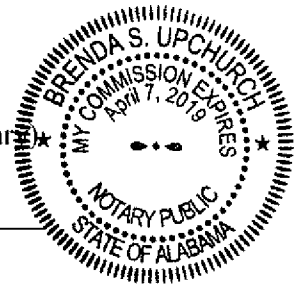
Title: VP for Office of Research and Economic Development

United States of America)
State of Alabama)
County of Mobile)

On this 1st day of February, 2018^(B) before me,
the undersigned notary public, personally appeared _____
(name of document signer), proved to me through satisfactory evidence of identification,
which was employee identification, to be the person whose name
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires April 7, 2019



ASSIGNMENT

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**UNIVERSITY OF SOUTH ALABAMA (USA)
307 N. University Boulevard
Mobile, Alabama 36688-0002**

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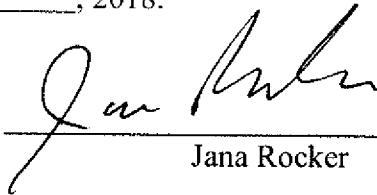
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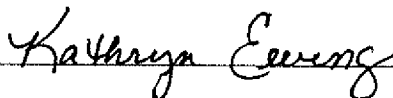
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Executed this 21st day of November, 2018.


Jana Rocker

United States of America)
State of Alabama)
County of Mobile)

On this 21st day of November, 2018 before me,
the undersigned notary public, personally appeared Jana Rocker
(name of document signer), proved to me through satisfactory evidence of identification,
which was shown to me via drivers license, to be the person whose name
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)
My commission expires 5-9-22

Acceptance of Assignment by the Assignee:

Executed this 01 day of Feb 2019.



UNIVERSITY OF SOUTH ALABAMA (USA)

Name: Lynne Chronister

Title: VP for Office of Research and Economic Development

United States of America)
State of Alabama)
County of Mobile)

On this 1st day of February, 2018^(B) before me,
the undersigned notary public, personally appeared _____
(name of document signer), proved to me through satisfactory evidence of identification,
which was employee identification, to be the person whose name
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)
My commission expires April 7, 2019

