

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5073508

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RANDY GAUGLER	07/03/2018
BO TAO	07/10/2018
YI WANG	07/05/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
<b>Street Address:</b>	83 SOMERSET STREET
<b>City:</b>	NEW BRUNSWICK
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08901
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15997212
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)563-4044
<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>	
<b>Phone:</b>	(215) 563-4100
<b>Email:</b>	docketclerk@ddhs.com
<b>Correspondent Name:</b>	KATHLEEN D. RIGAUT, PH.D., J.D.
<b>Address Line 1:</b>	DANN, DORFMAN, HERRELL & SKILLMAN
<b>Address Line 2:</b>	SUITE 2400
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19103
<b>ATTORNEY DOCKET NUMBER:</b>	1594-P06278US01
<b>NAME OF SUBMITTER:</b>	KATHLEEN D. RIGAUT, PH.D., J.D.
<b>SIGNATURE:</b>	/Kathleen D. Rigaut/
<b>DATE SIGNED:</b>	07/30/2018
<b>Total Attachments: 10</b>	
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source=2016-047 Executed ASN\_Wang#page5.tif

### ASSIGNMENT OF INVENTION

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNORS:

Name	Address
Randy Gaugler	25 Quirice Place, North Brunswick, NJ 08902
Devi Suman	9 S. 9 <sup>th</sup> Avenue Apt. 3-K, Highland Park, NJ 08904
Bo Tao	3 Continental Court, South River, NJ 08882
Yi Wang	

hereby sell, assign and transfer to:

ASSIGNEE:

Rutgers, the State University of New Jersey	83 Somerset Street, New Brunswick, New Jersey 08901
--	---

and the successors, assigns and legal representatives of the ASSIGNEE, entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

#### METHODS AND APPARATUS FOR MANAGEMENT OF MOSQUITO POPULATIONS WITH HABITAT SHARING HETEROSPECIFIC INSECTS CARRYING INSECT GROWTH REGULATORS

invented by Gaugler, et al. and which is found in:

- the U.S. patent application executed on even date herewith;
- the U.S. provisional patent application no. filed;
- the U.S. patent application no.: 15/997,212 filed: June 4, 2018
- the International Application no. filed;
- the U.S. patent no. issued on;

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and in and to all Non-Provisional and International Applications claiming priority therefrom, and all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid Non-Provisional and International Applications claiming priority therefrom, and all continuation, division, renewal, continuation-in-part or substitute of said Non-Provisional U.S. Patent Applications, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNORS hereby authorize ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant and agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, and that ASSIGNORS will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

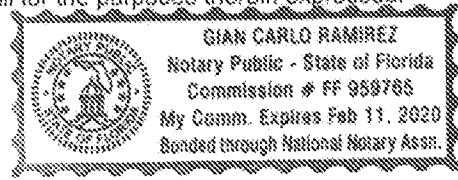
ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE sole use and benefit, and for the use and benefit of ASSIGNEE legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name: Randy Gaugler Date: 3 July, 2018  
Randy Gaugler

State of Florida  
County of Broward

Before me this 3<sup>rd</sup> day of July, 2018, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.



[Signature]  
Notary Public

ASSIGNMENT OF INVENTION

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNORS:

Name	Address
Randy Gaugler	25 Quince Place, North Brunswick, NJ 08902
Devi Suman	9 S. 9 <sup>th</sup> Avenue Apt. 3-K, Highland Park, NJ 08904
Bo Tao	3 Continental Court, South River, NJ 08882
Yi Wang	

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ASSIGNEE:

Rutgers, the State University of New Jersey	83 Somerset Street, New Brunswick, New Jersey 08901
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**METHODS AND APPARATUS FOR MANAGEMENT OF MOSQUITO POPULATIONS WITH HABITAT SHARING HETEROSPECIFIC INSECTS CARRYING INSECT GROWTH REGULATORS**

invented by Gaugler, et al. and which is found in:

- the U.S. patent application executed on even date herewith;
- the U.S. provisional patent application no.: filed;
- the U.S. patent application no.: 15/997,212 filed: June 4, 2018
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- the U.S. patent no. issued on:

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and in and to all Non-Provisional and International Applications claiming priority therefrom, and all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid Non-Provisional and International Applications claiming priority therefrom, and all continuation, division, renewal, continuation-in-part or substitute of said Non-Provisional U.S. Patent Applications, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

Name: Devi Suman

Date: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

\_\_\_\_\_  
Notary Public

Name: Bo Tao  
Bo Tao

Date: July 10, 2018

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of Bo, Tao, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Song Jie  
Notary Public

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of Rutgers, The State University of New Jersey. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

I am an officer of the above-identified ASSIGNEE,

I have signed this document on behalf of ASSIGNEE with the full authority of the ASSIGNEE.

and that all the foregoing is true and correct.

Dated:

July 10, 2018

By:

Name:

Lawrence C. Edelman

Title:

Assistant Director of IP

ASSIGNMENT OF INVENTION

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNORS:

Name	Address
Randy Gaugler	25 Quince Place, North Brunswick, NJ 08902
Devi Suman	9 S. 9 <sup>th</sup> Avenue Apt. 3-K, Highland Park, NJ 08904
Bo Tao	Department of Plant Protection Northeast Agricultural University, 59 Mucai Street, Harbin 150030, China
Yi Wang	3 Continental Court, South River, NJ 08882

hereby sell, assign and transfer to:

ASSIGNEE

Rutgers, the State University of New Jersey	83 Somerset Street, New Brunswick, New Jersey 08901
---	---

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- the U.S. patent application executed on even date herewith;
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ASSIGNORS further covenant and agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, and that ASSIGNORS will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE sole use and benefit, and for the use and benefit of ASSIGNEE legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name: \_\_\_\_\_  
Randy Gaugler

Date: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

\_\_\_\_\_  
Notary Public

Name: \_\_\_\_\_  
Devi Soman

Date: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

\_\_\_\_\_  
Notary Public

Name: \_\_\_\_\_  
Bo Tao

Date: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

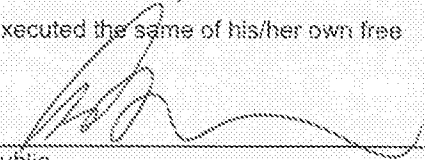
\_\_\_\_\_  
Notary Public

Name: Yi Wang  
Yi Wang

Date: 7/5/2018

State of New Jersey  
County of Address

Before me this 5 day of July, 2018, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

  
Notary Public  
**ANTHONY VIGNALI**  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
ID # 2430835  
MY COMMISSION EXPIRES MARCH 06, 2023

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of Rutgers, The State University of New Jersey. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

I am an officer of the above-identified ASSIGNEE,

I have signed this document on behalf of ASSIGNEE with the full authority of the ASSIGNEE.

and that all the foregoing is true and correct.

Dated:

July 26, 2018

By:

Name: Lawrence C. Edelman

Title: Assistant Director of IP