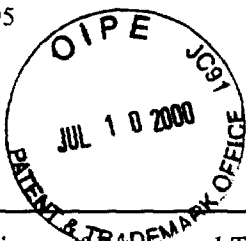


07-31-2000

MRD  
7.10.00



101417494

SHEET

Attorney Docket No. 044574-5061-US

To the Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

ATTENTION: BOX ASSIGNMENT

1. Name of conveying parties:

John R. Carlson  
Junhyong Kim  
Peter J. Clyne  
Coral G. Warr

Additional names of conveying parties attached?

☐ Yes ☒ No

2. Name and address of receiving party:

Name: YALE UNIVERSITY

Street Address: 451 College Street, New Haven CT 06520

Additional names & addresses attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Dates: May 16, 2000  
June 7, 2000  
June 12, 2000

4. Application numbers or patent numbers:

If this document is being filed together with a new application the execution date of the application is:

Patent Application No. 09/491,577 filed January 25, 2000

Additional numbers attached: ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Reid G. Adler

Internal Address: Morgan, Lewis & Bockius LLP  
Intellectual Property Support Unit

Street Address: 1800 M Street NW, Washington DC 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00 E

☐ Enclosed

☒ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Erich E. Veitenheimer  
Name of Person Signing

Signature

July 10, 2000  
Date

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: **NOVEL ODORANT RECEPTORS IN DROSOPHILA** for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed on **January 25, 2000** a utility application for United States Letters Patent (Serial No. **09/491,577**); and

WHEREAS, **Yale University**, a corporation of **Connecticut**, whose post office address is **451 College St., New Haven, CT 06520** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the provisional application for United States Letters Patent on this invention and the Letters Patent to be issued upon applications which claim the priority of this provisional application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisionals, all provisionals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, provisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hands.

County of <u>New Haven</u>	<b>John R. Carlson</b>
State of <u>Connecticut</u>	Full Name of Sole or First Assignor
	31 Mountain Brook Road, North Haven CT 06473
	Address
Subscribed and sworn to before me this <u>12</u> day of <u>June</u> , 2000.	<u>John R. Carlson</u>
<u>Alexis L. Flint</u> Notary Public	First Assignor's Signature
	<u>6/12/00</u>
	Date

**ALEXIS L. FLINT**  
**NOTARY PUBLIC**  
**MY COMMISSION EXPIRES DEC. 31, 2004**

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

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

**Junhyong Kim**  
Full Name of Second Assignor

94 Swarthmore Street, Hamden CT 06517

SS.

Address

Subscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 2000.

\_\_\_\_\_  
Second Assignor's Signature\_\_\_\_\_  
Notary Public\_\_\_\_\_  
Date

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

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

**Peter J. Clyne**  
Full Name of Third Assignor

1939 Turk Street, San Francisco CA 94115

SS.

Address

Subscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 2000.

\_\_\_\_\_  
Third Assignor's Signature\_\_\_\_\_  
Notary Public\_\_\_\_\_  
DateCounty of New HavenState of Connecticut

**Coral G. Warr**  
Full Name of Fourth Assignor

255 Willow St, Second Floor

~~24 Bishop Street, Third floor~~, New Haven CT 06511

SS.

Address

Subscribed and sworn to before me  
this 2 day of June, 2000.

\_\_\_\_\_  
Fourth Assignor's SignatureAlexis L. Flint Notary Public\_\_\_\_\_  
Date**ALEXIS L. FLINT****NOTARY PUBLIC**

MY COMMISSION EXPIRES DEC. 31, 2004

Names of additional inventors attached [ ] Yes [X] No

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: **NOVEL ODORANT RECEPTORS IN DROSOPHILA** for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed on **January 25, 2000** a utility application for United States Letters Patent (Serial No. **09/491,577**); and

WHEREAS, **Yale University**, a corporation of **Connecticut**, whose post office address is **451 College St., New Haven, CT 06520** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the provisional application for United States Letters Patent on this invention and the Letters Patent to be issued upon applications which claim the priority of this provisional application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisionals, all provisionals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, provisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hands.

County of _____	<b>John R. Carlson</b> Full Name of Sole or First Assignor
State of _____	<b>31 Mountain Brook Road, North Haven CT 06473</b> Address
SS.	
Subscribed and sworn to before me this ____ day of _____, 2000.	_____ First Assignor's Signature
_____ Notary Public	_____ Date

County of New Haven

State of Connecticut

**Junhyong Kim**  
Full Name of Second Assignor

**94 Swarthmore Street, Hamden CT 06517**  
Address

SS.

Subscribed and sworn to before me  
this 7 day of July, 2000.

**ALEXIS L. FLINT**  
**NOTARY PUBLIC**

Alexis L. Flint Notary Public **COMMISSION EXPIRES DEC. 31, 2004**

[Signature]  
Second Assignor's Signature

6-7-00  
Date

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

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

**Peter J. Clyne**  
Full Name of Third Assignor

**1939 Turk Street, San Francisco CA 94115**  
Address

SS.

Subscribed and sworn to before me  
this \_\_\_ day of \_\_\_\_\_, 2000.

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

\_\_\_\_\_  
Third Assignor's Signature

\_\_\_\_\_  
Date

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

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

**Coral G. Warr**  
Full Name of Fourth Assignor

**24 Bishop Street, Third floor, New Haven CT 06511**  
Address

SS.

Subscribed and sworn to before me  
this \_\_\_ day of \_\_\_\_\_, 2000.

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

\_\_\_\_\_  
Fourth Assignor's Signature

\_\_\_\_\_  
Date

Names of additional inventors attached [ ] Yes [X] No

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: **NOVEL ODORANT RECEPTORS IN DROSOPHILA** for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed on **January 25, 2000** a utility application for United States Letters Patent (Serial No. **09/491,577**); and

WHEREAS, **Yale University**, a corporation of **Connecticut**, whose post office address is **451 College St., New Haven, CT 06520** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the provisional application for United States Letters Patent on this invention and the Letters Patent to be issued upon applications which claim the priority of this provisional application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisionals, all provisionals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

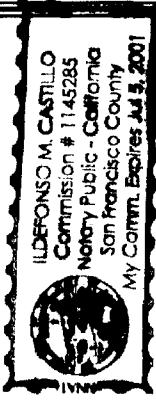
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, provisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hands.

County of _____	<b>John R. Carlson</b> Full Name of Sole or First Assignor
State of _____	<b>31 Mountain Brook Road, North Haven CT 06473</b> Address
	SS.
Subscribed and sworn to before me this ____ day of _____, 2000.	_____ First Assignor's Signature
_____ Notary Public	_____ Date

County of _____	<b>Junhyong Kim</b> Full Name of Second Assignor
State of _____	<b>94 Swarthmore Street, Hamden CT 06517</b> Address
SS.	
Subscribed and sworn to before me this ____ day of _____, 2000.	_____ Second Assignor's Signature
_____ Notary Public	_____ Date

County of <u>San Francisco</u>	<b>Peter J. Clyne</b> Full Name of Third Assignor
State of <u>California</u>	<b>1939 Turk Street, San Francisco CA 94115</b> Address
SS.	
Subscribed and sworn to before me this <u>16</u> day of <u>MAY</u> , 2000.	<u>Peter Clyne</u> Third Assignor's Signature
<u>Idelfonso M. Castillo</u> Notary Public	<u>5/16/00</u> Date



County of _____	<b>Coral G. Warr</b> Full Name of Fourth Assignor
State of _____	<b>24 Bishop Street, Third floor, New Haven CT 06511</b> Address
SS.	
Subscribed and sworn to before me this ____ day of _____, 2000.	_____ Fourth Assignor's Signature
_____ Notary Public	_____ Date

Names of additional inventors attached [ ] Yes [X] No