

11-24-2004

To the Director, U.S. Patent and Trademark Office



original documents or copy thereof.

1. Name of conveying parties:

1. Philip E. Salzmann
2. Alec T. Harootunian
3. Michael P. Emery
4. Javier H. Flores
5. Todd N. Bennett
6. Minh Vuong

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date:

1. October 29, 2004
2. October 29, 2004
3. November 16, 2004
4. November 2, 2004
5. November 7, 2004
6. October 29, 2004

5. Party to whom correspondence concerning document should be mailed:

Customer No. 20,995

Return Fax: (949) 760-9502

Attorney's Docket No.: AUROBIO.040A

7. Total fee (37 CFR 1.21(h)): \$40

☒ Enclosed

4. US or PCT Application number(s) or US Patent number(s):

☒ Patent Application No.: 10/900,996  
 Filing Date: July 28, 2004

Additional numbers attached?

☐ Yes ☒ No

6. Total number of applications and patents involved: 1

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this 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.

Thomas R. Arno  
 Name of Person Signing

Signature

11/19/04  
 Date

40,490  
 Registration No.

Total number of pages including cover sheet, attachments and document: 7

Documents transmitted via Mail to be recorded with required cover sheet information to:

11/23/2004 BYRNE 00000128 10900996

01 FC:8021

40.00 DP

Mail Stop Assignment Recordation Services

Director, U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

S:\DOCS\TRA\TRA-3004.DOC  
 111904

PATENT  
 REEL: 016005 FRAME: 0948

ASSIGNMENT

WHEREAS, We, Philip E. Salzmann, a United States citizen, residing at 1616 MacKinnon, Cardiff, CA 92126, Alec T. Harootunian, a U.S. citizen, residing at 1655 Yost Drive, San Diego, CA 92126, Michael P. Emery, a U.S. citizen, residing at 10023 Woodrose Avenue, Santee, CA 92071, Javier H. Flores, a U.S. citizen, residing at 10704 Chinon Circle, San Diego, CA 92126; Todd Bennet, a U.S. citizen, residing in Philadelphia, PA and Minh Vuong, a U.S. citizen, residing at 5385 Renaissance Avenue, San Diego, CA 92122, have invented certain new and useful improvements in a SENSOR FOR LEVELS OF CONDUCTIVE LIQUIDS for which we have filed an application for Letters Patent in the United States, 10/900,996;

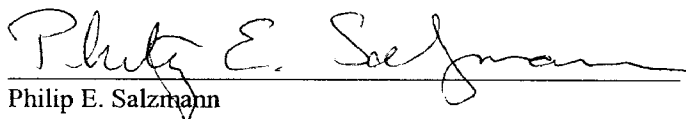
AND WHEREAS, Vertex Pharmaceuticals, Inc. (hereinafter "ASSIGNEE"), with its principal place of business at 130 Waverly Street, Cambridge, MA 02139, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of OCT., 2004

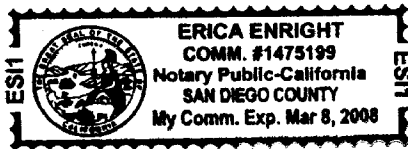
  
Philip E. Salzmann

STATE OF California }  
COUNTY OF San Diego } ss.

On 10/29/04, before me, ERICA ENRIGHT, personally appeared Philip E. Salzmann personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Erica Enright  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29<sup>th</sup> day of October, 2004

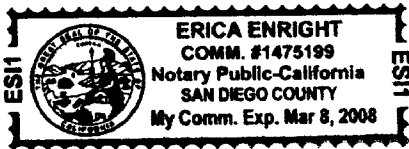
Alec Harootunian  
Alec T. Harootunian

STATE OF California }  
COUNTY OF San Diego } ss.

On 10/29/04, before me, ERICA ENRIGHT, personally appeared Alec T. Harootunian personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Erica Enright  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Michael P. Emery

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Philip E. Salzmann personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

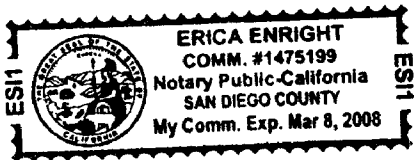
\_\_\_\_\_  
Alec T. Harootunian

STATE OF California }  
COUNTY OF San Diego } ss.

On 11/16/04, before me, ERICA ENRIGHT, personally appeared Alec T. Harootunian personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Erica Enright

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16 day of November, 2004.

X Michael P. Emery  
Michael P. Emery

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Mike Emery personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2<sup>nd</sup> day of November, 2004

Javier H. Flores  
Javier H. Flores

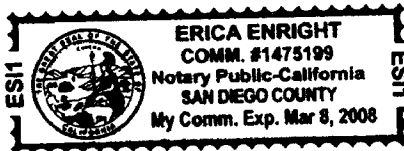
STATE OF California }  
COUNTY OF San Diego } ss.

On Nov. 2, 2004, before me, ERICA ENRIGHT, personally appeared Javier H. Flores personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Erica Enright  
Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of November, 2004

X

Todd Bennet

STATE OF

}  
}  
}

ss.

COUNTY OF

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Todd Bennet personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Minh Vuong

STATE OF

}  
}  
}

ss.

COUNTY OF

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Minh Vuong personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Todd Bennet

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Todd Bennet personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29<sup>th</sup> day of OCTOBER, 2004

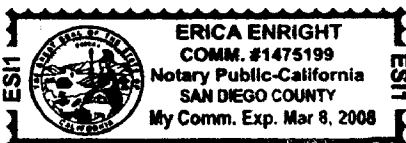
T. Minh Vuong  
Minh Vuong

STATE OF California }  
COUNTY OF San Diego } ss.

On 10/29/04, before me, ERICA ENRIGHT, personally appeared Minh Vuong personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Erica Enright  
Notary Signature