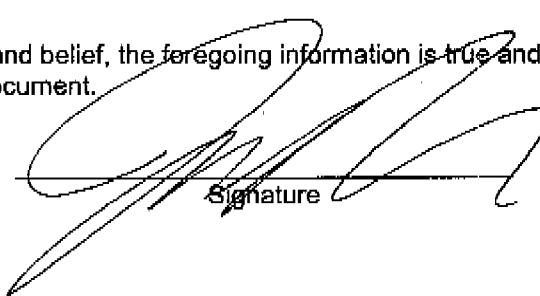


Client Code: PKC.002A

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1) Josh Yehoshua Shachar 2) Winston H. Wu 3) Leslie Farkas 4) Thomas Chen</p> <p>Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> PHARMACO-KINESIS CORP <b>Internal Address:</b> <b>Street Address:</b> 10524 S. La Cienega blvd. <b>City:</b> Inglewood <b>State:</b> CA <b>ZIP:</b> 90304</p> <p>Additional name(s) of receiving party(ies) attached? ( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1) April 8, 2009 2) April 8, 2009 3) April 8, 2009 4) April 9, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/422,125 Filing Date: April 10, 2009</p> <p>Additional numbers attached? ( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> PKC.002A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <p><u>Jarom D. Kesler</u> Name of Person Signing</p> <p>57,046 Registration No.</p> </div> <div style="text-align: center;">  Signature         </div> <div style="text-align: center;"> <p>February 24, 2010 Date</p> </div> </div> <p style="text-align: center;">Total number of pages including cover sheet, attachments and document: 10</p>	

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

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8615391

700430335

**PATENT**  
**REEL: 023990 FRAME: 0039**

CH \$40.00 111410 12422125

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 1

### ASSIGNMENT

WHEREAS, We, Josh Yehoshua Shachar, a US citizen, residing at 3527 22<sup>nd</sup> Street, Santa Monica, CA 90405, Winston H. Wu, Ph.D., a US citizen, residing at 1000 S. 5<sup>th</sup> Street, Alhambra, CA 91801; Leslie Farkas, a US citizen, residing at 254 N. Amaz Street, Ojai, CA 93023; and Thomas Chen, M.D., a US citizen, residing at 5155 La Canada Blvd., La Canada, CA 91011, have invented certain new and useful improvements in a METHOD AND APPARATUS FOR FORMING A HOMEOSTATIC LOOP EMPLOYING AN APTAMER BIOSENSOR for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, PHARMACO-KINESIS CORP (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 10524 S. La Cienega Blvd. Inglewood, CA 90304, desires to acquire the entire right, title, and interest in and to said improvements and 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, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including 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 I 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 said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

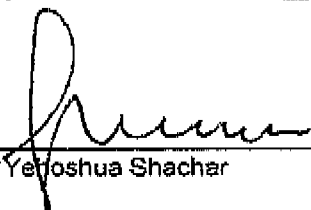
AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter,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

AND WE HEREBY covenant and agree that we will communicate to 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 said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8<sup>TH</sup> day of  
April, 2009.

  
Josh Yehoshua Shachar

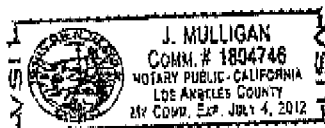
STATE OF California }  
COUNTY OF Los Angeles } ss.


On 04-09-09, before me, J. Mulligan, notary public,  
personally appeared Josh Yehoshua Shachar who proved to me on the basis of satisfactory  
evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument, and  
acknowledged to me that they executed the same in their authorized capacity(ies), and that by  
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.

[SEAL]



  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8<sup>TH</sup> day of  
April, 2009.

  
Winston H. Wu, Ph.D.,

STATE OF California }  
COUNTY OF Los Angeles } ss.

On 04-09-09, before me, J. Mulligan, notary public,  
personally appeared Winston H. Wu, Ph.D., who proved to me on the basis of satisfactory  
evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument, and

Application No.: Unknown  
Filing Date: Herewith

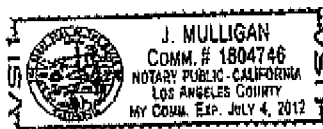
PATENT  
Client Code: PKC.002A  
Page 3

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.

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.

[SEAL]



  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of April, 2009.

  
Leslie Farkas

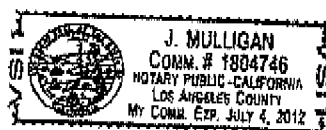
STATE OF California }  
COUNTY OF Los Angeles } ss.

On 04-09-09, before me, J. Mulligan, notary public, personally appeared Leslie Farkas 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 ~~she~~ executed the same in her authorized capacity(ies), and that by her 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.

[SEAL]



  
Notary Signature

Application No.: Unkonwn  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 4

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

\_\_\_\_\_  
Thomas Chen, M.D.

STATE OF

COUNTY OF

}  
ss.  
}

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Thomas Chen, M.D. 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 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.

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.

[SEAL]

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

6951004  
040809

Application No.: Unkonwn  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 1

### ASSIGNMENT

WHEREAS, We, Josh Yehoshua Shachar, a US citizen, residing at 3527 22<sup>nd</sup> Street, Santa Monica, CA 90405, Winston H. Wu, Ph.D., a US citizen, residing at 1000 S. 5<sup>th</sup> Street, Alhambra, CA 91801; Leslie Farkas, a US citizen, residing at 254 N. Amaz Street, Ojai, CA 93023; and Thomas Chen, M.D., a US citizen, residing at 5155 La Canada Blvd., La Canada, CA 91011, have invented certain new and useful improvements in a METHOD AND APPARATUS FOR FORMING A HOMEOSTATIC LOOP EMPLOYING AN APTAMER BIOSENSOR for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, PHARMACO-KINESIS CORP (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 10524 S. La Cienega Blvd. Inglewood, CA 90304, desires to acquire the entire right, title, and interest in and to said improvements and 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, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including 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 I 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 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 said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to 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 said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: Unkonwn  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 2

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

\_\_\_\_\_  
Josh Yehoshua Shachar

STATE OF }  
COUNTY OF } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public,  
personally appeared Josh Yehoshua Shachar 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 they executed the same in their authorized capacity(ies), and that by  
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.

[SEAL]

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

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

\_\_\_\_\_  
Winston H. Wu, Ph.D.,

STATE OF }  
COUNTY OF } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public,  
personally appeared Winston H. Wu, Ph.D., 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

Application No.: Unkonwn  
Filing Date: Herewith

PATENT  
Client Code: PKC.002A  
Page 3

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.

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.

[SEAL]

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

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

\_\_\_\_\_  
Leslie Farkas

STATE OF

COUNTY OF

}  
}  
} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Leslie Farkas 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 she executed the same in her authorized capacity(ies), and that by her 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.

[SEAL]

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



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Application No.: Unknown  
 Filing Date: Herewith

PATENT  
 Client Code: PKC.002A  
 Page 4

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of  
April, 2009

Thomas Chen  
 Thomas Chen, M.D.

STATE OF

ss.

COUNTY OF

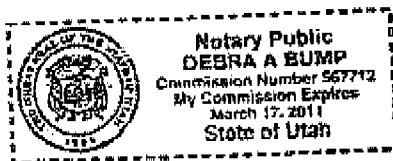
On April 9, 2009, before me, Debra A Bump, notary public,  
 personally appeared Thomas Chen, M.D. who proved to me on the basis of satisfactory  
 evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and  
 acknowledged to me that he executed the same in his authorized 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.

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.

[SEAL]

Debra A Bump  
 Notary Signature



5551004  
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