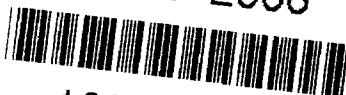


05-10-2006



5/8/06

103235169

To the Honorable Commissioner of Patents and Trademarks: Please record the \_\_\_\_\_ original document or copy thereof.

1. Name(s) of conveying party(ies):

- 1) ED HARLOW
- 2) RODERICK A. HYDE
- 3) EDWARD K.Y. JUNG
- 4) ROBERT LANGER
- 5) ERIC C. LEUTHARDT
- 6) LOWELL L. WOOD, JR.

Additional names of conveying parties attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Dates:

- |                     |                     |
|---------------------|---------------------|
| 1) <u>4/11/2006</u> | 4) <u>4/10/2006</u> |
| 2) <u>4/30/2006</u> | 5) <u>4/9/2006</u>  |
| 3) <u>4/5/2006</u>  | 6) <u>4/8/2006</u>  |

2. Name and address of receiving party:

Name: SEARETE LLC

Internal Address: \_\_\_\_\_

Street Address: 1756 - 114<sup>TH</sup> AVE. S.E., # 110

City: BELLEVUE

State WA

Zip: 98004

Additional names & addresses attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application,  
the execution date of the application is \_\_\_\_\_.

A. Patent Application No(s).

11/389,268

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: SEARETE LLC

Internal Address: CLARENCE T. TEGREENE

Street Address: 1756 - 114<sup>th</sup> Ave. S.E., # 110

City: Bellevue State: WA ZIP: 98004

6. Total number of applications and patents involved.....

7. Total Fee (37 CFR 3.41): .....\$40

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

502857

DO NOT USE THIS SPACE

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.

HEATHER L. CALLAHAN

Name of Person Signing

Heather L. Callahan

Signature

5-3-06

Date

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

# ASSIGNMENT

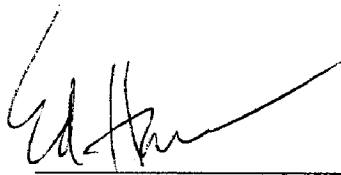
WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner

of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

4/11/86  
Date

  
Ed Harlow

Date

Roderick A. Hyde

Date

Edward K. Y. Jung

Date

Robert Langer

Date

Eric C. Leuthardt

Date

Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc

# ASSIGNMENT

WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner

of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ed Harlow

4/30/2006  
Date

  
Roderick A. Hyde

\_\_\_\_\_  
Date

\_\_\_\_\_  
Edward K.Y. Jung

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert Langer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric C. Leuthardt

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc

## ASSIGNMENT

WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner

of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

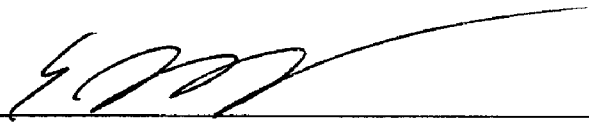
\_\_\_\_\_  
Ed Harlow

\_\_\_\_\_  
Date

\_\_\_\_\_  
Roderick A. Hyde

4/5/2006

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Edward K.Y. Jung

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert Langer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric C. Leuthardt

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc

## ASSIGNMENT

WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner



of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ed Harlow

\_\_\_\_\_  
Date

\_\_\_\_\_  
Roderick A. Hyde

\_\_\_\_\_  
Date

\_\_\_\_\_  
Edward K.Y. Jung

4 | 10 | 2004

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert Langer



\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric C. Leuthardt

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc

## ASSIGNMENT

WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner

of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ed Harlow

\_\_\_\_\_  
Date

\_\_\_\_\_  
Roderick A. Hyde

\_\_\_\_\_  
Date

\_\_\_\_\_  
Edward K.Y. Jung

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert Langer

4/9/06

\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric C. Leuthardt

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc

## ASSIGNMENT

WHEREAS, we, Ed Harlow, Roderick A. Hyde, Edward K.Y. Jung, Robert Langer, Eric, C. Leuthardt and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of , 20 Unity Court, Boston, MA 02113; 1115 Wynn Circle, Livermore, CA 94550; 13420 NE 36<sup>th</sup> Street, Bellevue, WA 98005-1403; 98 Montvale Road, Newton, MA 02459; 5561 Waterman Blvd. Condo 1 West, St. Louis, MO 63112 and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "BLOOD BRAIN BARRIER DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed on March 24, 2006 and assigned Application No. 11/389,268; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner

of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ed Harlow

\_\_\_\_\_  
Date

\_\_\_\_\_  
Roderick A. Hyde

\_\_\_\_\_  
Date

\_\_\_\_\_  
Edward K.Y. Jung

\_\_\_\_\_  
Date

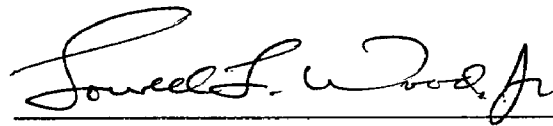
\_\_\_\_\_  
Robert Langer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric C. Leuthardt

\_\_\_\_\_  
Date

8 April 2006

\_\_\_\_\_  


\_\_\_\_\_  
Lowell L. Wood, Jr.

/0705-004-001D Blood Brain Barrier Device/assgt-joint-post.doc