

Form PTO-1595 (Rev. 06-12)  
OMB No. 0651-0027 (exp. 04/30/2015)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
  
Theravance, Inc.  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Theravance Biopharma R&D IP, LLC  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
Street Address: 901 Gateway Boulevard  
\_\_\_\_\_  
City: South San Francisco  
State: California  
Country: USA Zip: 94080  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) June 1, 2014  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document serves as an Oath/Declaration (37 CFR 1.63).  
A. Patent Application No.(s)  
  
60589728  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
  
7317023 and 7662815

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Jeffrey A. Hagenah  
Internal Address: Patent Department  
Theravance Biopharma US, Inc.  
Street Address: 901 Gateway Boulevard  
\_\_\_\_\_  
City: South San Francisco  
State: California Zip: 94080  
Phone Number: (650) 808-6406  
Docket Number: P-194  
Email Address: patent@theravance.com

**6. Total number of applications and patents involved:** 3  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 120  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
  
Deposit Account Number 500344  
Authorized User Name Jeffrey A. Hagenah

**9. Signature:** Roberta P. Saxon  
Signature  
Roberta P. Saxon, Reg. No. 43,087  
Name of Person Signing

June 6, 2014  
Date  
Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$120.00 500344 60589728

## Patent Assignment

WHEREAS, **Theravance, Inc.**, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 951 Gateway Boulevard, South San Francisco, California 94080 (the "**Assignor**"), is the sole owner of the patents and patent applications listed in **EXHIBIT A** (such patents and patent applications and the inventions set forth therein are collectively the "**Assigned Patents**");

WHEREAS, **Theravance Biopharma R&D IP, LLC**, a limited liability company duly organized under and pursuant to the laws of Delaware and having its principal place of business at 901 Gateway Boulevard, South San Francisco, California 94080 (the "**Assignee**"), is desirous of acquiring Assignor's entire right, title and interest in and to the Assigned Patents, and in and to any subsequent patent applications and patents filed or granted thereon or therefrom, and Assignor is willing to assign its rights, title, and interest with respect thereto to the Assignee on the terms hereinafter set forth;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer, set over and relinquishes exclusively unto the Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to: the Assigned Patents including, to the extent of Assignor's rights, the right to file patent applications on inventions set forth in the Assigned Patents; the right to claim priority to any of the Assigned Patents; the entire right, title and interest in and to any subsequent U.S. and foreign patent applications and patents claiming priority to any of the Assigned Patents, and in and to any U.S. and foreign patent applications and patents that claim priority to a patent application or patent arising from the Assigned Patents; any U.S. and foreign patents that may be granted on and from any of the Assigned Patents; any applications, divisionals, continuations, continuations-in-part, reexaminations, reissues, registrations, renewals, revalidations, substitutions, utility models, petty patents, extensions, and supplementary protection certificates that may be filed or granted on or for any of the Assigned Patents; all accrued causes of action for infringement of any of the foregoing; and all rights to and for the Assigned Patents under the Paris Convention for the Protection of Industrial Property; the same to be held and enjoyed by the Assignee, for its own use and behalf and for the use and behalf of its successors, legal representatives and assigns, to the full end of the term of the Assigned Patents and any such patents that may be granted thereon or therefrom as fully and entirely as if the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives and assigns, that the Assignor has not executed and will not execute any assignment, sale, agreement or encumbrance in conflict with this assignment.

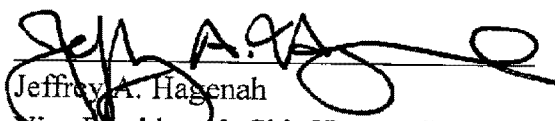
AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives and assigns that, at the Assignee's expense and reasonable request, the Assignor will take action and execute documents necessary to perfect the interest assigned herein.

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives and assigns that whenever counsel for the Assignee, or the counsel for its successors, legal representatives and assigns, shall advise that any proceeding, filing or other legal action in connection with the Assigned Patents or any patent applications and patents resulting therefrom is lawful and desirable, Assignor will, to the extent reasonable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of the Assigned Patents and patent applications and patents resulting therefrom, without charge to the Assignor, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives and assigns.

AND the Assignor hereby requests the Director of the United States Patent and Trademark Office, and all foreign patent offices, to issue any and all patents resulting from the Assigned Patents or from any patent applications filed thereon or therefrom to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, the Assignor hereby has executed this assignment on this 1st day of June 2014, at South San Francisco, California, USA.

**Theravance, Inc. (Assignor)**

  
Jeffrey A. Hagenah  
Vice President & Chief Patent Counsel  
& Assistant Secretary

**Theravance, Inc.**  
**951 Gateway Blvd.**  
**South San Francisco, CA 94080**  
**USA**

**CERTIFICATE OF  
ACKNOWLEDGEMENT OF NOTARY PUBLIC**

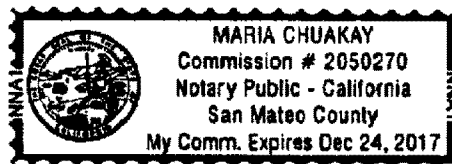
**STATE OF CALIFORNIA  
COUNTY OF SAN MATEO**

On June 1, 2014, before me, Maria Chuakay, Notary Public, personally appeared Jeffrey A. Hagenah, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

Signature Maria Chuakay (Seal)  
Notary Public



**EXHIBIT A**

<b>Docket No.</b>	<b>Country</b>	<b>Sub Case</b>	<b>Status</b>	<b>Application Number</b>	<b>Filing Date</b>	<b>Patent Number</b>	<b>Grant Date</b>
P-194	EP	01	Abandoned	05 779 346.5	07/20/2005		
P-194	JP	01	Abandoned	2007-522685	07/20/2005		
P-194	US	01	Granted	11/185,295	07/20/2005	7,317,023	01/08/2008
P-194	US	02	Granted	11/985,987	11/19/2007	7,662,815	02/16/2010
P-194	US	PR1	Expired	60/589,728	07/21/2004		
P-194	WO		Nat Phase	US2005/025690	07/20/2005		

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