

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**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 \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: Theravance Biopharma R&D IP, LLC

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

Street Address: 901 Gateway BoulevardCity: South San FranciscoState: CaliforniaCountry: USA Zip: 94080Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

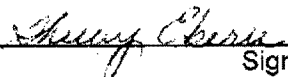
60690008

B. Patent No.(s)

7728144, 8013152, 8119796 and 8399488

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Jeffrey A. HagenahInternal Address: Patent DepartmentTheravance Biopharma US, Inc.Street Address: 901 Gateway BoulevardCity: South San FranciscoState: California Zip: 94080Phone Number: (650) 808-6406Docket Number: P-210Email Address: patent@theravance.com**6. Total number of applications and patents involved:** 5**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 200

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**Deposit Account Number 500344Authorized User Name Jeffrey A. Hagenah**9. Signature:**

Signature

June 10, 2014

Date

Shelley Eberle, Reg. No. 31,411

Name of Person Signing

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 \$200.00 500344 60690008

## 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.

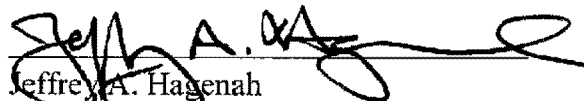
AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives and assigns that, at the Assignee's expense and reasonable request, the Assignor will take action and execute documents necessary to perfect the interest assigned herein.

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**

Attorney Docket No. P-210

**CERTIFICATE OF  
ACKNOWLEDGEMENT OF NOTARY PUBLIC**

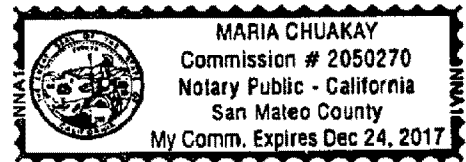
**STATE OF CALIFORNIA  
COUNTY OF SAN MATEO**

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-210	EP	01	Abandoned	06 772 935.0	06/12/2006		
P-210	JP	01	Abandoned	2008-516980	06/12/2006		
P-210	US	01	Granted	11/451,179	06/12/2006	7,728,144	06/01/2010
P-210	US	02	Granted	12/759,887	04/14/2010	8,013,152	09/06/2011
P-210	US	03	Granted	13/193,874	07/29/2011	8,119,796	02/21/2012
P-210	US	04	Granted	13/348,085	01/11/2012	8,399,488	03/19/2013
P-210	US	PR1	Expired	60/690,008	06/13/2005		
P-210	WO		Nat Phase	US2006/022829	06/12/2006		

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