| Form PTO-1595 (Rev. 10/02) RECORDATION FORM | M COVER SHEET | U.S. DEPARTMENT OF COMMERCE |
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| OMP No. 0654 0007 (0/00/0005) | TS ONLY | U.S. Patent and Trademark Office Attorney Docket: P-030-US2 |
| Tab settings ⇔ ⇔ ▼ ▼ | ~ | ▼ ▼ ▼ |
| To the Honorable Commissioner of Patents and Trademarks: | Please record the attached of | original documents or copy thereof. |
| 1. Name of conveying party(ies): 1) James B. Aggen 2) John H. Griffin 3) Mathai Mammen 4) Daniel Marquess 5) Edmund J. Moran 6) David Oare | USA | nc. |
| Additional name of conveying party(ies) attached? Yes No | _ | |
| 3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name | Additional Name(s) & a | ddress(es) attached? ☐ Yes ☑ No |
| □ Other: CORRECTIVE ASSIGNMENT DOCUMENT Submitted to correct title of patent application, i.e. the term "Agonists" has been corrected to "Antagonists". The original assignment document was recorded on August 5, 2003 at Reel 013857/Frame 0214. | | |
| Application number(s) or patent number(s): | | |
| If this document is being filed together with a new application A. Patent Application No.(s) 10/425,368 | B. Patent No.(s) | e application is: |
| Additional numbers atta 5. Name and address of party to whom correspondence | ched? 🗌 Yes 🗵 No | |
| concerning this document should be mailed: | 6. Total number of applic | cations and patents involved: 1 |
| Name: Jeffrey A. Hagenah Theravance, Inc. | 7. Total fee (37 CFR 3.41 | 1) \$40.00 |
| 901 Gateway Boulevard | ☐ Enclosed | |
| South San Francisco, CA 94080 USA | Authorized to be | charged to deposit account |
| | Deposit account numb 50-0344 (Attach duplicate copy of the copy of t | er: this page if paying by deposit account) |
| DO NOT USE | THIS SPACE | |
| Statement and signature. | | Annual Company of the |
| To the best of my knowledge and belief, the foregoing informatis a true copy of the original document. Jeffrey A. Hagenah Name of person signing Total number of pages including co | ignature (2) 35113 | 11/21/03 bate |

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents, Mail Stop Assignment Recordation Services, P. O. Box 1450, Alexandria, VA 22313-1450

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| Form PTO-1595 RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCO (Rev. 10/02) U.S. Patent and Trademark Office | | | |
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| OMB No. 0651-0027 (exp. 6/30/2005) PATENT | 'S ONLY | Attorney Docket: P-030-US2 | |
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| To the Honorable Commissioner of Patents and Trademarks: F | riease Record the attached d | original documents or copy thereof. | |
| Name of conveying party(ies): | 2. Name and address of | of receiving party(ies) | |
| 1) James B. Aggen 2) John H. Griffin | T1 | In a | |
| 3) Mathai Mammen | Theravance, | inc. | |
| 4) Daniel Marquess 5) Edmund J. Moran | 901 Gateway | y Boulevard | |
| 6) David Oare | South San F | rancisco, CA 94080 | |
| Additional name of conveying party(ies) attached? Yes No | USA | | |
| 3. Nature of conveyance: | | | |
| ⊠ Assignment ☐ Merger | Additional Name(s) & ad | ddress(es) attached? ☐ Yes 🔯 No | |
| ☐ Security Agreement ☐ Change of Name | | | |
| Execution Date: 1) July 29, 2003; 2) July 31, 2003; 3) July 29, 2003; 4) July 31, 2003; 5) July 31, 2003; 6) July 16, 2003 | | | |
| Application number(s) or patent number(s): | | | |
| If this document is being filed together with a new application | n, the execution date of th | e application is: | |
| A. Patent Application No.(s) 10/425,368 | B. Patent No.(s) | <u></u> | |
| Additional numbers att | ached? ☐ Yes ⊠ No | | |
| | | | |
| Name and address of party to whom correspondence concerning this document should be mailed: | 6. Total number of applic | cations and patents involved: [1] | |
| Name: Jeffrey A. Hagenah | 7. Total fee (37 CFR 3.4 | 1) \$ <u>40.00</u> | |
| Theravance, Inc. | ☐ Enclosed | | |
| 901 Gateway Boulevard | | charged to deposit account | |
| South San Francisco, CA 94080 | | | |
| USA | Deposit account number | per: | |
| | 50-0344 | | |
| | (Attach duplicate copy of | f this page if paying by deposit account) | |
| 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. | | | |
| Jeffrey A. Hagenah Name of Person Signing | Signature | Date | |
| 1 |) Res. No. 35, 17 | 2 | |
| Total number of pages including o | over sheet, attachments, | and documents: 7 | |

Mail documents to be recorded with required cover sheet information to:
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P. O. Box 1450, Alexandria, VA 22313-1450

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Assignment

This **Assignment**, by **James B. Aggen**, residing at 1311 California Drive, Burlingame, CA 94010; **John H. Griffin**, residing at 56 Walnut Avenue, Atherton, CA 94027; **Mathai Mammen**, residing at 5 Barcelona Circle, Redwood Shores, CA 94065, **Daniel Marquess**, residing at 2037 Touraine Lane, Half Moon Bay, CA 94019, **Edmund J. Moran**, residing at 131 Chaves, San Francisco, CA 94127, **David Oare**, residing at 1622 Ralston Avenue, Belmont, CA 94002; (hereinafter referred to as "the **Assignors**"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in Muscarinic

and filed on

Receptor Agonists set forth in an application for Letters Patent of the United States,

which is a provisional application
to be filed herewith; or
bearing Application No.

which is a non-provisional application
to be filed herewith; or
bearing Application No. 10/425,368 and filed on April 29, 2003; and

WHEREAS, **Theravance**, **Inc.**, a corporation 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 (hereinafter referred to as "the **Assignee**"), is desirous of acquiring the entire right, title and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon. and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and Assignment not been made:

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owner of the entire right, title and interest in and to the inventions set forth in said applications, including provisional

PATENT 1 of 5

applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said inventions, without charge to the Assignors, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives and assigns.

| Date 7/29/03 | Signature of Assignor James B. Aggen |
|---|---|
| | James B. Aggen |
| State of <u>California</u> | |
| County of <u>San Mateo</u> | |
| On July 29, 2003 be | efore me Barbara Bryant, Motary Poblic |
| appeared James B. | Aggen, |
| personally known to me to be the person | n whose name is subscribed to the within instrument |
| and acknowledged to me that he execut | ed 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. | · · · · · · · · · · · · · · · · · · · |
| WITNESS my hand and official seal. | BARBARA BRYANT Commission # 1274669 |

REEL: 014148 FRAME: 0585

Notary Public — California & San Mateo County San Mateo County My Comm. Expires Sep 17, 2004

| Date 7/31/03 | Signat | ure of Assignor | MAGIL. |
|--|-----------------------|-------------------------------|---|
| No. 10 to 10 | | <u></u> | John H. Griffin |
| State of <u>California</u> | | | |
| County of <u>San Mateo</u> | | | |
| on July 31, 2003 | before me | e, <u>Barbara Bryant, N</u> e | otary Public, personally |
| appeared John H | . Griffin | | 7 |
| personally known to me to be the per | rson whose | e name is subscribed | I to the within instrument |
| and acknowledged to me that he exe | cuted the | same in his authorize | ed capacity, and that by his |
| signature on the instrument the person | on, or the ϵ | entity upon behalf of | which the person acted, |
| executed the instrument. | | | |
| WITNESS my hand and official seal. | | BARBAR Commissi | ONNORMANIAN E |
| Barbara Bryant Signature of Notary Public | | San Mar My Corner, Ex | ic — Colifo mio \$\frac{\text{S}}{2} \text{res County} \text{SE} \text{pires Sep 17, 2004} \text{\text{\text{E}}} restantion minimum min |
| Date | Signat | ure of Assignor | MMMMMM Mathai Mammen |
| State of <u>California</u> | | | |
| County of San Mateo | - | | |
| on July 30, 2003 | | e, <u>Barbara Bryant, N</u> | otary Public, personally |
| | Mammen | | |
| personally known to me to be the per | | | |
| and acknowledged to me that he exe | cuted the | same in his authorize | ed capacity, and that by his |
| signature on the instrument the person | on, or the e | entity upon behalf of | which the person acted, |
| executed the instrument. | | | |
| WITNESS my hand and official seal. | | Commis | ARA BRYANT Eston # 1274669 Eston # 1274669 Eston |
| Babara Bryant Signature of Notary Public | | San M My Comm. | Lateo County |

| 07. 31. \ 03 Date | Signature of Assignor Daniel Marquess |
|--|---|
| State of <u>California</u> | |
| County of <u>San Mateo</u> | |
| On July 31, 2003 appeared Daniel | _ before me, <u>Barbara Bryant, Notary Public</u> , personally |
| personally known to me to be the pe and acknowledged to me that he ex | erson whose name is subscribed to the within instrument ecuted the same in his authorized capacity, and that by his son, or the entity upon behalf of which the person acted, |
| WITNESS my hand and official seal Bawan Buyur Signature of Notary Public | BARBARA BRYANT Commission # 1274669 |
| Date July 31, 2003 | Signature of Assignor Edmund Moran |
| State of <u>California</u> | |
| personally known to me to be the pe | before me, <u>Barbara Bryant, Notary Public</u> , personally nd <u>J. Moran</u> , erson whose name is subscribed to the within instrument |
| | ecuted the same in his authorized capacity, and that by his son, or the entity upon behalf of which the person acted, |
| executed the instrument. | to the only apon bonds of milos the percon detect, |
| WITNESS my hand and official seal | BARBARA BRYANT |
| Barbara Sugart Signature of Notary Public | Commission # 1274669 Notary Public — California San Mat so County My Comm. Expires Sep 17, 2004 |

| Date | Signature of Assignor |
|--|---|
| | David Oare |
| State of <u>California</u> | |
| County of San Mateo | |
| on July 16, 2003 | before me, Robin Torres Notary Public, |
| personally appeared | David Oare , |
| personally known to me to be the pe | rson whose name is subscribed to the within instrument |
| and acknowledged to me that he exe | ecuted the same in his authorized capacity, and that by his |
| signature on the instrument the pers | on, or the entity upon behalf of which the person acted, |
| executed the instrument. | |
| WITNESS my hand and official seal. | |
| Robin Joseph Signature of Notary Public | ROBIN FORRES Commission # 1375076 Notary Public - California & San Mateo County My Comm. Expires Sep 15, 2006 |

Assignment

This **Assignment**, by **James B. Aggen**, residing at 1311 California Drive, Burlingame, CA 94010; **John H. Griffin**, residing at 56 Walnut Avenue, Atherton, CA 94027; **Mathai Mammen**, residing at 5 Barcelona Circle, Redwood Shores, CA 94065, **Daniel Marquess**, residing at 2037 Touraine Lane, Half Moon Bay, CA 94019, **Edmund J. Moran**, residing at 131 Chaves, San Francisco, CA 94127, **David Oare**, residing at 1622 Ralston Avenue, Belmont, CA 94002; (hereinafter referred to as "the **Assignors**"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in **Muscarinic Receptor Agonists** set forth in an application for Letters Patent of the United States,

| | which is a provisional application |
|---|---|
| | ☐ to be filed herewith; or |
| | □ bearing Application No, |
| | and filed on, or |
| × | which is a non-provisional application |
| | ☐ to be filed herewith; or |
| | bearing Application No. 10/425,368 and filed on April 29, 2003; and |

WHEREAS, **Theravance, Inc.**, a corporation 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 (hereinafter referred to as "the **Assignee**"), is desirous of acquiring the entire right, title and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon. and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and Assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owner of the entire right, title and interest in and to the inventions set forth in said applications, including provisional

Attorney Docket No. P-030-US2

Page 1 of 5

applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said inventions, without charge to the Assignors, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives and assigns.

| Date 7/29/03 Signature of Assignor James B. Aggen |
|--|
| James B. Aggen |
| State ofCalifornia |
| County of <u>San Mateo</u> |
| on July 29, 2003 before me Burbara Bryant, Motary personally |
| ppeared, |
| personally known to me 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 |
| ignature on the instrument the person, or the entity upon behalf of which the person acted, |
| executed the instrument. |
| |
| VITNESS my hand and official seal. BARBARA BRYANT BARBARA BRYANT |
| BARBARA BRYANT Commission # 1274669 Notary Public — California Son Mateo County My Comm. Expires Sep 17, 2004 Signature of Notary Public |
| · Olynature of Notally Fublic |

| Date 7/31/03 | Signature of A | Assignor | MALL. |
|---|------------------------|---|--|
| State of <u>California</u> | | | |
| County of <u>San Mateo</u> | <u> </u> | | |
| on July 31, 2003 | pefore me, <u>Barb</u> | ara Bryant, No | tary Public, personally |
| appeared John H. | Griffin | | |
| personally known to me to be the pers | on whose name | is subscribed | to the within instrument |
| and acknowledged to me that he exec | uted the same i | n his authorize | d capacity, and that by his |
| signature on the instrument the persor | | | |
| executed the instrument. | | | |
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| Balbara Bryant Signature of Notary Public | , 2011000000 | Son Mote My Comm. Exp (1) Son Marketter (1) Son Marketter (1) Son Mote (1) Son Marketter (1) Son Mote (1) Son | on County — |
| Date 7/29/03 | Signature of <i>i</i> | Assignor | MMMMMM Mathai Mammen |
| State of <u>California</u> | | | |
| County of San Mateo | | - | |
| on July 30, 2003 | oefore me, <u>Barb</u> | ara Bryant, No | tary Public, personally |
| appeared Mathai M | <u>lammen</u> | | ······································ |
| personally known to me to be the pers | | | |
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| signature on the instrument the person | n, or the entity up | oon behalf of w | hich the person acted, |
| executed the instrument. | | | |
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| Babara Bryant Signature of Notary Public | | Son Ma My Comm. E | nteo County Expires Sep 17, 2004 Employment Sep 17, 20 |

| 07. 31. 03 | Signature of Assignor Manuell |
|---|---|
| | Dahiel Marquess |
| State of California | |
| County of <u>San Mateo</u> | |
| | efore me, <u>Barbara Bryant, Notary Public</u> , personally |
| appeared Daniel Ma | , |
| personally known to me to be the perso | n whose name is subscribed to the within instrument |
| and acknowledged to me that he execu- | ted 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. | |
| WITNESS my hand and official seal. | BARBARA BRYANT Commission # 1274669 |
| Bawain Bryant Signature of Notary Public | Notary Public — California San Mateo County My Cornr. Expires Sep 17, 2004 |
| Date July 31 2003 | Signature of Assignor Edmund Moran |
| State of <u>California</u> | |
| County of San Mateo | |
| on July 31, 2003 be | efore me, <u>Barbara Bryant, Notary Public,</u> personally |
| appeared <u>Edmund J</u> | . Moran, |
| personally known to me to be the perso | n whose name is subscribed to the within instrument |
| and acknowledged to me that he execut | ted 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. | |
| WITNESS my hand and official seal. | BARBARA BRYANT Commission # 1274669 |
| Barbara Bryant | Notary Public — California Son Mateo County My Comm. Expires Sep 17, 2004 |
| Signature of Notary (Public | |

| Date | 1/16/03 | _ Signature of Assigr | nor De C |
|--------------|----------------------------|---------------------------|---|
| | | | David Oare |
| State of | California | - | |
| County of | San Mateo | | |
| on July | y 16, 2003 | _ before me, Robin | Torres Notary Public, |
| • | appeared | David Oare | |
| personally | known to me to be the pe | erson whose name is sul | bscribed to the within instrument |
| and acknow | wledged to me that he ex | ecuted the same in his a | authorized capacity, and that by his |
| signature c | on the instrument the pers | on, or the entity upon be | ehalf of which the person acted, |
| executed the | he instrument. | | |
| WITNESS | my hand and official seal | | |
| <u> </u> | Colon Sorres | | ROBIN TORRES Commission # 1375076 Notary Public - California San Mateo County |
| Sig | nature of Notary Public | | My Comm. Expires Sep 15, 2006 |

RECORDED: 11/21/2003

PATENT Page 5 of 5
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