

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|---|------------------|---------------|----------------|---------------------|------------|-------------------|----------------|--------------|------------|-----------------|------------|-----------------|------------|-------------|------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael BALESTRA</td> <td>01/19/2010</td> </tr> <tr> <td>Peter BERNSTEIN</td> <td>01/08/2010</td> </tr> <tr> <td>Glen E ERNST</td> <td>01/13/2010</td> </tr> <tr> <td>William FRIETZE</td> <td>01/14/2010</td> </tr> <tr> <td>John P MCCAULEY</td> <td>01/06/2010</td> </tr> <tr> <td>Lihong SHEN</td> <td>01/07/2010</td> </tr> <tr> <td>David NUGIEL</td> <td>01/13/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Michael BALESTRA | 01/19/2010 | Peter BERNSTEIN | 01/08/2010 | Glen E ERNST | 01/13/2010 | William FRIETZE | 01/14/2010 | John P MCCAULEY | 01/06/2010 | Lihong SHEN | 01/07/2010 | David NUGIEL | 01/13/2010 |
| Name | Execution Date | | | | | | | | | | | | | | | | |
| Michael BALESTRA | 01/19/2010 | | | | | | | | | | | | | | | | |
| Peter BERNSTEIN | 01/08/2010 | | | | | | | | | | | | | | | | |
| Glen E ERNST | 01/13/2010 | | | | | | | | | | | | | | | | |
| William FRIETZE | 01/14/2010 | | | | | | | | | | | | | | | | |
| John P MCCAULEY | 01/06/2010 | | | | | | | | | | | | | | | | |
| Lihong SHEN | 01/07/2010 | | | | | | | | | | | | | | | | |
| David NUGIEL | 01/13/2010 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>AstraZeneca AB</td> </tr> <tr> <td>Street Address:</td> <td>SE-151 85</td> </tr> <tr> <td>Internal Address:</td> <td>AstraZeneca AB</td> </tr> <tr> <td>City:</td> <td>Sodertalje</td> </tr> <tr> <td>State/Country:</td> <td>SWEDEN</td> </tr> <tr> <td>Postal Code:</td> <td>SE-151 85</td> </tr> </table> | | Name: | AstraZeneca AB | Street Address: | SE-151 85 | Internal Address: | AstraZeneca AB | City: | Sodertalje | State/Country: | SWEDEN | Postal Code: | SE-151 85 | | | | |
| Name: | AstraZeneca AB | | | | | | | | | | | | | | | | |
| Street Address: | SE-151 85 | | | | | | | | | | | | | | | | |
| Internal Address: | AstraZeneca AB | | | | | | | | | | | | | | | | |
| City: | Sodertalje | | | | | | | | | | | | | | | | |
| State/Country: | SWEDEN | | | | | | | | | | | | | | | | |
| Postal Code: | SE-151 85 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13748852</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13748852 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 13748852 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| <p>Fax Number: 7818394121 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 1 781 839 4951</p> <p>Email: kalliopei.gantzoudis@astrazeneca.com</p> <p>Correspondent Name: AstraZeneca</p> <p>Address Line 1: 35 Gatehouse Drive</p> <p>Address Line 4: Waltham, MASSACHUSETTS 02451</p> | | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 103545-US-CNT[2] | | | | | | | | | | | | | | | | |

PATENT

| | |
|---|-----------------------|
| NAME OF SUBMITTER: | Kalliopi Gantzoudis |
| Signature: | /Kalliopi Gantzoudis/ |
| Date: | 05/02/2013 |
| <p>Total Attachments: 8</p> <p>source=103545USCNTAssignment#page1.tif</p> <p>source=103545USCNTAssignment#page2.tif</p> <p>source=103545USCNTAssignment#page3.tif</p> <p>source=103545USCNTAssignment#page4.tif</p> <p>source=103545USCNTAssignment#page5.tif</p> <p>source=103545USCNTAssignment#page6.tif</p> <p>source=103545USCNTAssignment#page7.tif</p> <p>source=103545USCNTAssignment#page8.tif</p> | |

ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, I/we

BALESTRA Michael, BERNSTEIN Peter, ERNST Glen E, FRIETZE William, MCCAULEY John P and SHEN Lihong all US citizens of AstraZeneca R&D Wilmington, PO BOX 15437, 1800 Concord Pike, Wilmington, DE 19850-5437, USA; NUGIEL David a US citizen of c/o AstraZeneca Intellectual Property, AstraZeneca R&D Wilmington, PO BOX 15437, 1800 Concord Pike, Wilmington, DE 19850-5437, USA

hereafter referred to as ASSIGNOR (S),

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE AstraZeneca AB, a company created and existing under the laws of Sweden, having its Head Office at SE-151 85 Södertälje, Sweden, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

ETHANAMINE COMPOUNDS AND METHODS OF USING THE SAME 545

And which is disclosed in:

- (a) ☐ U.S. patent application executed on even date herewith;
- (b) ☐ U.S. patent application executed on _____;
- (c) ☐ U.S. application no. _____ filed on _____;
- (d) ☐ International application no. _____ filed on _____.

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue or reexamination thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

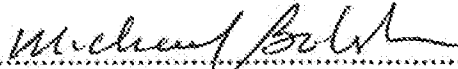
ASSIGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

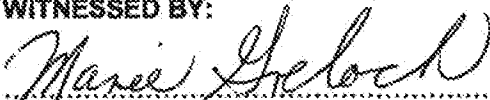
Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


BALESTRA Michael
Signature of Assignor

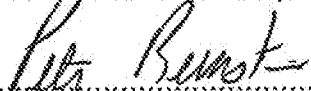
1/19/10
Date of Assignor's Signature

WITNESSED BY:


Signature of Witness
Name of Witness
(Type or print clearly)
MARIE GRELOCH

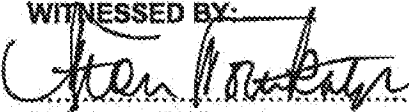

Signature of Witness
Name of Witness
(Type or print clearly) FRANCES TOUKALSIAN

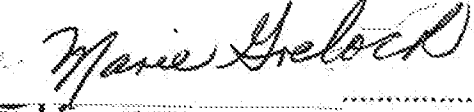
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


BERNSTEIN Peter
Signature of Assignor

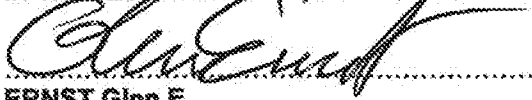
Jan 8, 2010
Date of Assignor's Signature

WITNESSED BY:


Signature of Witness
Name of Witness
(Type or print clearly) FRAN TOUKALSIAN

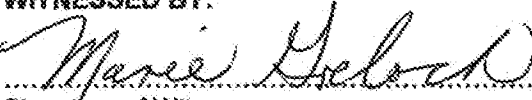

Signature of Witness
Name of Witness
(Type or print clearly) MARIE GRELOCH

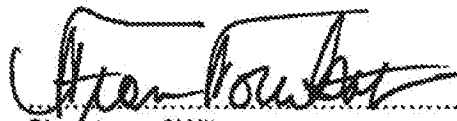
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


ERNST Glen E
Signature of Assignor

Jan 23, 2010
Date of Assignor's Signature

WITNESSED BY:


Signature of Witness
Name of Witness
(Type or print clearly) MARIE GRELOCH


Signature of Witness
Name of Witness
(Type or print clearly) FRAN TOUKALSIAN

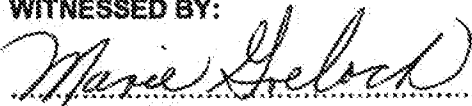
Additional signature pages attached: ☒ Yes ☐ No

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.



FRIETZE William
Signature of Assignor

Jan 14, 2010
Date of Assignor's Signature

WITNESSED BY:


Signature of Witness
Name of Witness
(Type or print clearly)

MARIE GRELOCH

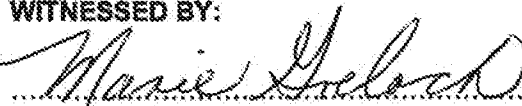

Signature of Witness
Name of Witness
(Type or print clearly) FRAN TOUKALDIAN

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.



MCCAULEY John P
Signature of Assignor

JAN 6, 2010
Date of Assignor's Signature

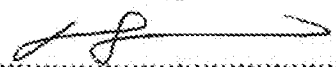
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Signature of Witness
Name of Witness
(Type or print clearly)

MARIE GRELOCH

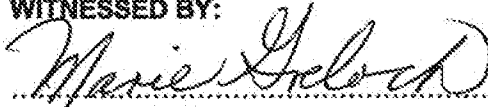

Signature of Witness
Name of Witness
(Type or print clearly) FRAN TOUKALDIAN

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.



SHEN Lihong
Signature of Assignor

Jan 7, 2010
Date of Assignor's Signature

WITNESSED BY:


Signature of Witness
Name of Witness
(Type or print clearly)

MARIE GRELOCH


Signature of Witness
Name of Witness
(Type or print clearly) FRAN TOUKALDIAN

Additional signature pages attached: ☒ Yes ☐ No

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

.....
NUGIEL David
Signature of Assignor

.....
Date of Assignor's Signature

WITNESSED BY:

.....
Signature of Witness
Name of Witness
(Type or print clearly)

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ETHANAMINE COMPOUNDS AND METHODS OF USING THE SAME 545

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.....
BALESTRA Michael
Signature of Assignor

.....
Date of Assignor's Signature

WITNESSED BY:

.....
Signature of Witness
Name of Witness
(Type or print clearly)

.....
Signature of Witness
Name of Witness
(Type or print clearly)

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BERNSTEIN Peter
Signature of Assignor

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Date of Assignor's Signature

WITNESSED BY:

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Signature of Witness
Name of Witness
(Type or print clearly)

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Signature of Witness
Name of Witness
(Type or print clearly)

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ERNST Glen E
Signature of Assignor

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Date of Assignor's Signature

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Name of Witness
(Type or print clearly)

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Signature of Witness
Name of Witness
(Type or print clearly)

Additional signature pages attached: ☒ Yes ☐ No

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.....
FRIETZE William
Signature of Assignor

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Date of Assignor's Signature

WITNESSED BY:

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Signature of Witness
Name of Witness
(Type or print clearly)

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Signature of Witness
Name of Witness
(Type or print clearly)

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MCCAULEY John P
Signature of Assignor

.....
Date of Assignor's Signature

WITNESSED BY:

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Name of Witness
(Type or print clearly)

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Signature of Witness
Name of Witness
(Type or print clearly)

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.....
SHEN Lihong
Signature of Assignor

.....
Date of Assignor's Signature

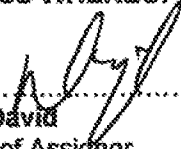
WITNESSED BY:

.....
Signature of Witness
Name of Witness
(Type or print clearly)

.....
Signature of Witness
Name of Witness
(Type or print clearly)

.....
Additional signature pages attached: ☒ Yes ☐ No


IN WITNESS WHEREOF I have hereunto set my hand and seal on the date below written.


.....
NUGIEL David
Signature of Assignor

..... 1-13-10

Date of Assignor's Signature

WITNESSED BY:


.....
Signature of Witness
Name of Witness
(Type or print clearly)

.....
Signature of Witness
Name of Witness
(Type or print clearly)

ANNE MARIE McCall

Additional signature pages attached: ☐ Yes ☒ No