504744871 01/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4791599

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| ASTRAZENECA UK LIMITED | 05/06/2015 |

RECEIVING PARTY DATA

| 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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15708634 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | INMD-132/03US 315953-3513 | |
|-------------------------|---------------------------|--|
| NAME OF SUBMITTER: | SANDHYA DEO | |
| SIGNATURE: | /SANDHYA DEO/ | |
| DATE SIGNED: | 01/23/2018 | |

Total Attachments: 8

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> PATENT REEL: 044717 FRAME: 0422

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> PATENT REEL: 044717 FRAME: 0423



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 14, 2017

PTAS

COOLEY LLP ATTN: PATENT GROUP

1299 PENNSYLVANIA AVENUE, SUITE 700

WASHINGTON, DC 20004

504454604

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REEL/FRAME: 042992/0822 RECORDATION DATE: 07/13/2017

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: INMD-132/02US 315953-3443

ASSIGNOR:

ASTRAZENECA UK LIMITED DOC DATE: 05/06/2015

ASSIGNEE:

ASTRAZENECA AB SE-151 85 ASTRAZENECA AB

SODERTALJE, SWEDEN SE-151 85

APPLICATION NUMBER: 15346411 FILING DATE: 11/08/2016

PATENT NUMBER: ISSUE DATE:

TITLE: CERTAIN

(2S) - N - [(1S) - 1 - CYANO - 2 - PHENYLETHYL] - 1,4 - OXAZEPANE - 2 - CARBOXAMIDES

AS DIPEPTIDYL PEPTIDASE 1 INHIBITORS

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

07/13/2017 504454604

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4501305

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| ASTRAZENECA UK LIMITED | 05/06/2015 |

RECEIVING PARTY DATA

| Name: | ASTRAZENECA AB |
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| Internal Address: | ASTRAZENECA AB |
| City: | SODERTALJE |
| State/Country: | SWEDEN |
| Postal Code: | SE-151 85 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15346411 |

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Correspondent Name: COOLEY LLP

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Address Line 2: 1299 PENNSYLVANIA AVENUE, SUITE 700

Address Line 4: WASHINGTON, D.C. 20004

| ATTORNEY DOCKET NUMBER: | INMD-132/02US 315953-3443 | |
|-------------------------|---------------------------|--|
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| SIGNATURE: | /Sandhya Deo/ | |
| DATE SIGNED: | 07/11/2017 | |

Total Attachments: 5

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> **PATENT** REEL: 042992 FRAME: 0828 504454604

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PATENT REEL: 04**2992** FRAME: 0**8**26

503307320 05/14/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3353938

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| ASTRAZENECA UK LIMITED | 05/06/2015 |

RECEIVING PARTY DATA

| 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

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 14601371 | | |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 200167-US-NP |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | KALLIOPI GANTZOUDIS |
| SIGNATURE: | /Kalliopi Gantzoudis/ |
| DATE SIGNED: | 05/14/2015 |

Total Attachments: 4

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> **PATENT** REEL: 034947 FRAME: 0428

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AZ Ref: 200167-WO-PCT

ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights (this "Assignment") is made as of the 23rd day of January 2015 (the "Effective Date") by and between

- (1) ASTRAZENECA UK LIMITED, a company incorporated in England and Wales under no. 3674842, whose principal place of business is at 2 Kingdom Street, London, England, W2 6BD (the "Assignor"); and
- (2) ASTRAZENECA AB, a company incorporated in Sweden under no. 556011-7482, whose principal place of business is at SE-151 85 Södertälje, Sweden ("the "Assignee").

Recitals

(A) WHEREAS, Assignor has agreed to assign to Assignee the Assignor's entire right, title and interest and to the patent application(s) identified in the attached Schedule (the "Patent Application(s)") and in and to the inventions and improvements disclosed in such Patent Application(s).

Agreement

NOW, THEREFORE, it is hereby agreed as follows:

1 Assignment

In consideration of the payment by Assignee to Assignor of the sum of £1, the receipt of which is hereby acknowledged, Assignor hereby assigns, sells and transfers to Assignee, with full title guarantee free from all and any charges or other third party rights, the following rights (the "Patent Rights"):

1.1 all of Assignor's entire right, title and interest in and to the Patent Application(s), any rights under the International Convention for the Protection of Industrial Property and all other applicable treaties and conventions, any rights of priority with respect to the Patent Application(s), including any divisional, continuation and continuation-in-part applications claiming, directly or indirectly, the benefit of, or priority to, the Patent Application(s) (and equivalents in countries other than the United States), any patents in any country that may be granted to or on any of the foregoing applications ("Subsequent Patents"), any reissues, re-examinations or extensions of such Subsequent Patents (and equivalents in countries other than the United

PATENT REEL: 0**32027** FRAME: 0**228**

AZ Ref: 200167-WO-PCT

States), to the full end of the term for which the Subsequent Patents have been granted, reissued, re-examined or extended:

- 1.2 all of Assignor's entire right, title and interest in and to the inventions and improvements disclosed in the Subsequent Patents and Patent Application(s); and
- 1.3 any and all causes of action, claims, demands or other rights occasioned from or because of any and all past and future infringement of any of the Subsequent Patents or Patent Application(s), including all rights to recover damages, profits and injunctive relief for infringement of any of the Subsequent Patents or Patent Application(s).

2 Further Action

Assignor agrees, at the reasonable request of Assignee: (a) to execute and deliver any further documents and to take any further actions reasonably necessary to enable Assignee to become the registered owner of the Patent Rights and to secure the benefits of the rights hereby assigned; and (b) to aid in securing and maintaining patent protection for the Patent Rights throughout the world, including, without limitation, cooperating in any proceedings involving examinations, re-examinations, reissues, opposition and cancellation proceedings, interferences, infringement proceedings, court actions and the like.

3 Recordation

Assignor hereby authorizes the United States Commissioner of Patents and Trademarks and, as appropriate, the corresponding officials of other countries, to record this Assignment.

4 Governing Law and Jurisdiction

The interpretation and construction of this Agreement shall be governed by the laws of England and Wales and the Assignor and Assignee hereby submit to the exclusive jurisdiction of the English courts for any action, suit or proceeding arising out of or relating to this Agreement.

PATENT REEL: 034947 FRAME: 0829 THIS ASSIGNMENT IS EXECUTED by the authorised representatives of the parties and is effective from the date first written above.

Signed for and on behalf of ASTRAZENECA UK LIMITED

Signature: XXXX

Name: Sally CURRAN

Title: Authorised Signatory

Witnessed by:

Name TAOA COOKEY

Signed for and on behalf of

ASTRAZENECA AB (PUBL)

Signature:

Name: Lucy PADGET

Title: Authorised Signatory

Date: <u>MW 6, 2015</u>

Witnessed by:

Name: TARA COONEY

AZ Ref: 200167-WO-PCT

THE SCHEDULE

| THE PATENT APPLICATION(S) | | | | | | |
|---------------------------|---------------------|---------------|----------------|---|----------------------|--|
| AstraZeneca Case No: | Application Ref: | Country | Filing Type | Application No. and/or Title of Invention | Filing Date | |
| 200167-AR-NP | A | Argentina | National | 20150100202 | 23 Jan 2015 | |
| 200167-BO-NP | В | Bolivia | National | SP00006-2015 | 23 Jan 2015 | |
| 200167-WO-PCT | С | International | PCT | PCT/GB2015/050155 | 23 Jan 2015 | |
| 200167-LB-NP | D | Lebanon | National | 10549 | 23 Jan 2015 | |
| 200167-PY-NP | E | Paraguay | National | 2227/2015 | 27 Jan 2015 | |
| 200167-PK-NP | F | Pakistan | National | 12/2015 | 8 Jan 2015 | |
| 200167-TW-NP | G | Taiwan | National | 104102345 | 23 Jan 2015 | |
| 200167-UY-NP | Н | Uruguay | National | 35963 | 23 Jan 2015 | |
| 200167-US-NP | I | USA | National | 14/601371 | 21 Jan 2015 | |
| 200167-VE-NP | J | Venezuela | National | 000067-2015 | 23 Jan 2015 | |
| 200167-BS-NP | K* | Bahamas | National | CERTAIN (2S)-N- [(1S)-1-CYANO-2- PHENYLETHYL]- 1,4-OXAZEPANE-2- CARBOXAMIDES AS DIPEPTIDYL PEPTIDASE I INHIBITORS | Not available yet | |
| 200167-JM-NP | L* | Jamaica | National | 18/1/5647 | 07 Jan 2015 | |

Patent Application(s) referenced A to J inclusive claim priority from the following US Provisional Application(s)

| Application No. | Filing Date |
|-----------------|-----------------|
| 61/931090 | 24 January 2014 |

Patent Application(s) referenced K* and L* do not claim priority

PATENT REEL: 035927 FRAME: 0862

RECORDED: 03/23/2018