PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2898857

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| IAN LINNEY | 01/23/2014 |
| CHRIS KNIGHT | 01/23/2014 |
| WOLFGANG SCHMIDT | 01/23/2014 |

RECEIVING PARTY DATA

| Name: | BIOFOCUS DPI LIMITED |
|-----------------|---------------------------|
| Street Address: | CHESTERFORD RESEARCH PARK |
| City: | SAFFRON WALDEN, ESSEX |
| State/Country: | UNITED KINGDOM |
| Postal Code: | CB10 1XL |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14098662 |

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 413-3000 Email: khudson@oblon.com **Correspondent Name:** OBLON, SPIVAK, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 425190US68 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | KAREN L. HUDSON |
| SIGNATURE: | /Karen L. Hudson/ |
| DATE SIGNED: | 06/16/2014 |

Total Attachments: 3

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> **PATENT REEL: 033106 FRAME: 0146**

502852260

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| Title of Invention | COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY |
|--|---|
| As the below name | d inventor, I hereby declare that: |
| This declaration [| The attached application, or |
| is directed to: | United States application or PCT international application number 14/098,662 filed onDecember 6, 2013 |
| The above-identifie | d application was made or authorized to be made by me. |
| I believe that I am t | he original inventor or an original joint inventor of a claimed invention in the application. |
| WHERBAS, BioFocus DPI Limited (hereinafter referred to as "ASSIGNEE") having places of business at: Chesterford Research Park Saffron Walden <u>Bssex. CB10 1XL United Kingdom</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; | |
| NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEB, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and | |
| other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | |
| Further, I agree that I will communicate to said ASSIONEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and relssue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | |
| LEGAL NAME OF | |
| Inventor: Ian Linn | Date: 28 TANUARY 2014 |
| Signature: | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 033106 FRAME: 0147

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| Title of | COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND |
|---|---|
| Invention | BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY |
| As the below name | d inventor, I hereby declare that: |
| This declaration | The attached application, or |
| is directed to: | United States application or PCT international application number 14/098,662 filed on December 6, 2013 |
| The above-identific | ed application was made or authorized to be made by me. |
| I believe that I am | the original inventor or an original joint inventor of a claimed invention in the application. |
| WHEREAS, Bio | Focus DPI Limited |
| Essex, CB10 1XL invention and in a | d to as "ASSIGNEE") having places of business at: <u>Chesterford Research Park Saffron Walden United Kingdom</u> , is desirous of acquiring the entire right, title and interest in and to said not to any Letters Patent that may be granted therefore in the United States and its territorial any and all foreign countries; |
| acknowledged, and said ASSIGNEE, t and in all foreign c other relevant Inter | FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby I for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and |
| | any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, enewals thereof. |
| any and all foreign assignee of my ent (his) successors an | ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIONEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIONEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made. |
| respecting said in continuation, substall of said Letters possible to aid said | that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, inte, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything it ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said lited States and its territorial possessions and in any and all foreign countries. |
| by fine or imprison | viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both. |
| LEGAL NAME OF | |
| Inventor: Chris K | |
| Signature: | 220 |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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PATENT REEL: 033106 FRAME: 0148

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| 1 | · · · · · · · · · · · · · · · · · · · | |
|---|---|--|
| Į | Title of COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND | |
| Ì | Invention BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY | |
| ı | | |
| | As the below named inventor, I hereby declare that: | |
| ı | This declaration The attached application, or | |
| ı | is directed to: 🛛 United States application or PCT international application number 14/098,662 | |
| ı | filed on December 6, 2013 | |
| 1 | | |
| I | The above-identified application was made or authorized to be made by me. | |
| I | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. | |
| I | WHEREAS, BioFocus DPI Limited | |
| | (hereinafter referred to as "ASSIGNBE") having places of business at: <u>Chesterford Research Park Saffron Walden Essex. CB10 1XL United Kingdom</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; | |
| | NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant international Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, | |
| | substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEB as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEB, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | |
| | Further, I agree that I will communicate to said ASSIGNEB or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any an all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | |
| | I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | |
| ſ | LEGAL NAME OF INVENTOR | |
| | Inventor: Wolfgang Schmidt Date: 23", January 2014 | |
| | Signature: | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 033106 FRAME: 0149

RECORDED: 06/16/2014