# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4595936

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

#### **CONVEYING PARTY DATA**

| Name           | Execution Date |
|----------------|----------------|
| MICHAEL GAUL   | 09/19/2016     |
| GUOZHANG XU    | 09/19/2016     |
| SHYH-MING YANG | 09/23/2016     |
| TIANBAO LU     | 09/19/2016     |
| RUI ZHANG      | 09/26/2016     |
| FENGBIN SONG   | 09/19/2016     |

### **RECEIVING PARTY DATA**

| Name:           | JANSSEN PHARMACEUTICA NV |
|-----------------|--------------------------|
| Street Address: | TURNHOUTSEWEG 30         |
| City:           | BEERSE                   |
| State/Country:  | BELGIUM                  |
| Postal Code:    | 2340                     |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15695118 |

### **CORRESPONDENCE DATA**

Fax Number: (732)524-2808

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: 732-524-2812

Email: JNJUSPATENT@CORUS.JNJ.COM

JOSEPH F. SHIRTZ **Correspondent Name:** 

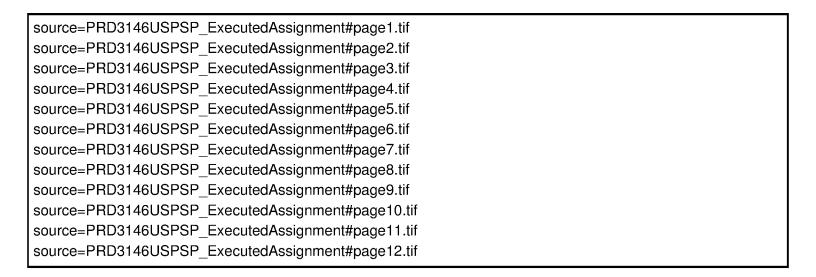
ONE JOHNSON & JOHNSON PLAZA Address Line 1: Address Line 4: **NEW BRUNSWICK, NEW JERSEY 08933** 

| ATTORNEY DOCKET NUMBER: | PRD3416USNP        |
|-------------------------|--------------------|
| NAME OF SUBMITTER:      | GERALDINE COONEY   |
| SIGNATURE:              | /Geraldine Cooney/ |
| DATE SIGNED:            | 09/15/2017         |

**Total Attachments: 12** 

**PATENT REEL: 043599 FRAME: 0796** 

504549228



PATENT REEL: 043599 FRAME: 0797

| COMBINED DECLARATION AND ASSIGNMENT   |
|---|
| Title of Invention: INDAZOLE DERIVATIVES USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS  This declaration and assignment is directed to:  The attached or filed herewith application of (list of named inventors),   |
| or  |
| ☐ ☐ The United States application or PCT international application number 62/383,620 filed on September 6, 2016.  |
| <b>Declaration</b>  |
| As the below named inventor, I hereby declare that:   |
| The above-identified application ("Application") was made or authorized by me.  |
| I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.   |
| I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.   |
| 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 for filings of this Application in the United States of America.   |
| Assignment  |
| Janssen Pharmaceutica NV Turnhoutseweg 30 2340 Beerse, Belgium  |
| A corporation of the state or country of <u>Belgium</u> (hereinafter designated as the "Assignee"),   |
| I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:  |
| or  |
| For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:   |
| my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made. |
| I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent   |

applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or

expedient.

Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

MICHEAL GAUX Signature

Date

9/19/16

|   | Attorney Docket No.: PRD3416USPSP   |
|---|---|
| COMBINED  | DECLARATION AND ASSIGNMENT  |
| Title of Invention: INDAZOLE DERIVATIVE  This declaration and assignment is  □                    | BS USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS directed to:  The attached or filed herewith application of (list of named inventors),   |
| or  |   |
|   | The United States application or PCT international application number <u>62/383,620</u> filed on <u>September 6, 2016</u> .   |
| Declaration   | (,  |
| As the below named inventor, I hereby decl  | are that:   |
| The above-identified application ("Applicat   | tion") was made or authorized by me.  |
| I believe that I am the original inventor or a  | an original inventor of a claimed invention or discovery in the Application.  |
|   | nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of |
| I hereby acknowledge that any willful false imprisonment of not more than five (5) years, or both | e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.                     |
| Assignment  | Janssen Pharmaceutica NV  |
|   | Turnhoutseweg 30 2340 Beerse, Belgium   |
|   | 25 to Sociot, Solgium   |

A corporation of the state or country of <u>Belgium</u> (hereinafter designated as the "Assignee"),

I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

 $\mathbf{or}$ 

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

PATENT REEL: 043599 FRAME: 0800

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

| GUOZHANG XU | <b>A</b>  |
|-------------|-----------|
| la Ju       | 9/19/2016 |
| Signature   | Date      |

|   | Attorney Docket No.: PRD3416USPSP  |
|---|--|
| COMBINED  | DECLARATION AND ASSIGNMENT   |
|   | S USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS  |
| This declaration and assignment is  | The attached or filed herewith application of (list of named inventors),   |
| or  |  |
| . <b>\Bar{B}</b>  | The United States application or PCT international application number <u>62/383,620</u> filed on <u>September 6, 2016</u> .  |
| Declaration   |  |
| As the below named inventor, I hereby decla   | are that:  |
| The above-identified application ("Applicati  | on") was made or authorized by me.   |
| I believe that I am the original inventor or ar   | n original inventor of a claimed invention or discovery in the Application.  |
|   | ts of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of  |
|   | statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.  |
| Assignment  |  |
|   | Janssen Pharmaceutica NV Turnhoutseweg 30 2340 Beerse, Belgium   |
|   | ration of the state or country of <u>Belgium</u> nafter designated as the "Assignee"),   |
|   | the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:   |
| or  |  |
| For good and valuable consideration, the assigned and transferred to Assignee:  | sufficiency of which is acknowledged, I hereby assign and transfer and/or have   |
| the right to claim priority to the Application, all investates, European Patent Office and of all other coursuch inventions or discoveries and all rights in succontinuations thereof, and to all Letters Patent that supplementary protection certificates, reexaminations | the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United notices, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, are remewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would not and sale not been made. |

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

1

**PATENT** 

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

SHVH-MING VANG

Signature

Date

9-23-16

# COMBINED DECLARATION AND ASSIGNMENT

| 2011   | IDINED DECLARATION AND ASSIGNMENT   |
|--|---|
| Title of Invention: INDAZOLE DER<br>This declaration and ass   |   |
|  | The attached or filed herewith application of (list of named inventors),  |
|  | or  |
|  | The United States application or PCT international application number <u>62/383,620</u> filed on <u>September 6, 2016</u> .   |
| Declaration  |   |
| As the below named inventor, I l   | hereby declare that:  |
| The above-identified application   | ("Application") was made or authorized by me.   |
| I believe that I am the original in  | eventor or an original inventor of a claimed invention or discovery in the Application.   |
| I have reviewed and understood information which is material to patental this Application in the United States of A  | I the contents of the Application, including the claims, and I acknowledge the duty to disclose bility as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of America.   |
| I hereby acknowledge that any imprisonment of not more than five (5) ye  | willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or ears, or both for filings of this Application in the United States of America.   |
| Assignment   |   |
|  | Janssen Pharmaceutica NV Turnhoutseweg 30 2340 Beerse, Belgium  |
|  | A corporation of the state or country of <u>Belgium</u> (hereinafter designated as the "Assignee"),   |
| ☐ I hereby acknowledge that I have which is hereby conformed for recordation   | we assigned the above-identified invention by previous assignment (attached hereto) to Assignee on in the US Patent Office and I confirm I have and do assign and transfer:   |
| or   |   |
| For good and valuable considerassigned and transferred to Assignee:  | eration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have   |
| the right to claim priority to the Applica<br>States, European Patent Office and of a<br>such inventions or discoveries and all<br>continuations thereof, and to all Letters<br>supplementary protection certificates, rec | and under the Application, including all priority rights for other countries arising therefrom and tion, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United all other countries, which may be granted for such inventions or discoveries, or any of them, all rights in such Application including any and all provisionals, substitutions, divisions, and Patent that may be granted for said inventions and discoveries, and in and to all extensions, examinations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use nor terms for which such Letters Patent may be granted, as fully and entirely as the same would his assignment and sale not been made. |
| Office, any other patent offices, and und any reexamination of any of such appl  | nnection with the Application in the United States Patent and Trademark Office, European Patent ler the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, ications, and any patent term extensions or supplementary protection certificates of any such the assignments in connection with such applications as the Assignee may deem necessary or  |

1

PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

TIANBAO LU

arl les

Signature

9/19/2016 Date

| COMBINED DECLARATION AND ASSIGNMENT   |
|---|
| Title of Invention: INDAZOLE DERIVATIVES USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS  This declaration and assignment is directed to:  The attached or filed herewith application of (list of named inventors)  |
| or  |
| The United States application or PCT international application number 62/383,620 filed on September 6, 2016.  |
| Declaration   |
| As the below named inventor, I hereby declare that:   |
| The above-identified application ("Application") was made or authorized by me.  |
| I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.   |
| I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.   |
| 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 for filings of this Application in the United States of America.   |
| Assignment  Janssen Pharmaceutica NV  Turnhoutseweg 30  2340 Beerse, Belgium  |
| A corporation of the state or country of <u>Belgium</u> (hereinafter designated as the "Assignee"),   |
| I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigned which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:  |
| or  |
| For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:   |
| my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made. |
| I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.  |

1

PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

**RUI ZHANG** 

Signature

Date

9-26-2016

| COMBINED DECLARATION AND ASSIGNMENT   |  |
|---|--|
| Title of Invention: INDAZOLE DERIVATIVES USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS  |  |
| This declaration and assignment is directed to:  The attached or filed herewith application of (list of named inventors)  |  |
| or  |  |
| The United States application or PCT international application number <u>62/383,620</u> filed on <u>September 6, 2016</u> .   |  |
| Declaration   |  |
| As the below named inventor, I hereby declare that:   |  |
| The above-identified application ("Application") was made or authorized by me.  |  |
| I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.   |  |
| I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.   |  |
| 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 for filings of this Application in the United States of America.   |  |
| Assignment  Janssen Pharmaceutica NV  Turnhoutseweg 30  2340 Beerse, Belgium  |  |
| A corporation of the state or country of <u>Belgium</u> (hereinafter designated as the "Assignee"),   |  |
| I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:  |  |
| or  |  |
| For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:   |  |
| my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made. |  |

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

1

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

FENGBIN SONG

RECORDED: 09/15/2017

2

PATENT

Sept. 19,206